

**AMENDMENT NUMBER ONE
TO THE SFY25 EMERGENCY CONTRACTUAL AGREEMENT BETWEEN
THE DIVISION OF MEDICAID
IN THE OFFICE OF THE GOVERNOR
AND
MOLINA HEALTHCARE OF MISSISSIPPI, INC.
A CARE COORDINATION ORGANIZATION (CCO)**

(Mississippi Coordinated Access Network (MSCAN) Program)

THIS AMENDMENT NUMBER ONE modifies, revises, and amends the Emergency Contract entered into by and between the **Division of Medicaid in the Office of the Governor**, an administrative agency of the **State of Mississippi** (hereinafter "DOM" or "Division"), and **MOLINA HEALTHCARE OF MISSISSIPPI, Inc.** (hereinafter "CCO" or "Contractor") and collectively hereinafter referenced as the "Parties."

WHEREAS, through its written determination to the Mississippi Public Procurement Review Board (PPRB) Office of Personal Service Contract Review (OPSCR), DOM identified the continuing need for MSCAN Program Services to Medicaid beneficiaries on an emergency basis with the aforementioned Contractor pursuant to Sections 3-207 and 7-111 of the 2018 PPRB OPSCR Rules and Regulations;

WHEREAS, DOM is charged with the administration of the Mississippi State Plan for Medical Assistance in accordance with the requirements of Title XIX of the Social Security Act of 1935, as amended, (the "Act") and Miss. Code Ann. § 43-13-101 *et seq.* (1972, as amended);

WHEREAS, Contractor is an entity eligible to enter into a full risk capitated contract in accordance with Section 1903(m) of the Social Security Act and 42 C.F.R. § 438.6(b) and is engaged in the business of providing prepaid comprehensive health care services as defined in 42 C.F.R. § 438.2. The Contractor is licensed appropriately as defined by the Department of Insurance of the State of Mississippi pursuant to Miss. Code Ann. § 83-41-305 (1972, as amended);

WHEREAS, DOM entered into a full risk capitated contract (herein referenced as "Base MSCAN Contract") with Contractor on July 1, 2017 for Contractor to provide prepaid comprehensive health care services pursuant to state and federal requirements;

WHEREAS, the original term of the Base MSCAN Contract began on July 1, 2017 and ended on June 30, 2023 with no further options for renewal;

WHEREAS, on December 10, 2021, DOM issued a Request for Qualifications No. 20211210 (RFQ) from qualified offerors to provide services for the statewide administration of DOM's Coordinated Care Organization Program consisting of the Mississippi Coordinated Access

Network (MSCAN) and the Mississippi Children's Health Insurance Program (CHIP) for continued services to begin July 1, 2023;

WHEREAS, DOM received five (5) responses to the RFQ and on August 10, 2022 issued its Notice of Intent to Award to three (3) offerors;

WHEREAS, on August 17, 2022, DOM received protests of the Notice of Intent to Award from two (2) offerors not selected for award. Since that date, DOM and the five (5) RFQ offerors were involved with Protective Order actions in Hinds County Chancery which are now resolved;

WHEREAS, on March 1, 2023, PPRB approved an exception to PPRB OPSCR Rules and Regulations Section 3-102.02 to stay the expiration of the RFQ until such time that a contract may be awarded pending the outcome of the administrative protest process;

WHEREAS, DOM issued its final protest decision on June 2, 2023;

WHEREAS, the two (2) protesting offerors each timely submitted an appeal of DOM's final protest decision to PPRB on June 9, 2023;

WHEREAS, on April 11, 2024, PPRB held a hearing on the appeal of DOM's final protest decision and issued a ruling denying the protests of each protesting offeror thereby approving the DOM award of the contract under the RFQ;

WHEREAS, the April 11, 2024, PPRB protest appeal ruling denying the protests allowed DOM to proceed with RFQ Coordinated Access contract award and execution pursuant to PPRB rules and regulations to the three (3) awarded entities;

WHEREAS, due to the administrative protest and protest appeal process at the agency and PPRB levels, inclusive of Protective Order actions in Hinds County Chancery Court, entered to enter into Emergency Contracts for MSCAN Program Services with its incumbent vendors for State Fiscal Year (SFY) 2024 (SFY24 MSCAN Emergency Contract) in order to continue delivery of services to protect the health and safety of Mississippi Medicaid beneficiaries;

WHEREAS, the RFQ Coordinated Access awarded contracts began on May 12, 2024 and included an implementation period, at no additional cost to the state, which did not include delivery of Medicaid managed care services during the implementation period but required an anticipated go-live date for service delivery on July 1, 2025;

WHEREAS, considering the implementation period for the newly awarded RFQ Coordinated Access contracts, DOM was positioned where continuation of federally required MSCAN Program Services to Medicaid beneficiaries was through an Emergency Contract to maintain and protect the health and safety of Medicaid beneficiaries beginning July 1, 2024, and ending June 30, 2025 (SFY25);

WHEREAS, DOM entered into an Emergency Contract with Contractor to continue provision of Managed Care services as required herein for SFY25 and Contractor agreed to render said services to DOM in accordance with this Agreement; and

WHEREAS, in order to comply with CMS requirements regarding management of capitation rates paid to its Managed Care contractors, DOM desires to amend the capitation rates within the Emergency Contract pursuant to 42 CFR §438 and to amend other substantive provisions relative to providing MSCAN services.

NOW, THEREFORE, in consideration of the foregoing recitals and of the mutual promises contained herein, DOM and CCO agree the MSCAN SFY25 Emergency Contract is amended as follows to address the following:

1. **ENTIRE AGREEMENT AND INCORPORATION:** This Emergency Contractual Agreement for SFY25 (Emergency Contract) between DOM and Contractor shall consist of: (1) this Emergency Contract, inclusive of any amendments hereto; (2) the SFY24 MSCAN Emergency Contract, inclusive of any amendments thereto; and (3) the Base MSCAN Contract. The Parties hereby agree that the SFY24 MSCAN Emergency Contract (inclusive of any amendments thereto) and the Base MSCAN Contract (inclusive of any amendments thereto) shall be collectively referred to herein as the "Previous Contract." The Parties agree to be bound by all terms and conditions of the Previous Contract which are incorporated herein by reference as Attachment A, unless those terms are specifically modified or overridden through this Emergency Contract.

Any ambiguities, conflicts, disputes, or questions of interpretation of this Emergency Contract shall be resolved pursuant to the following order of priority:

- (1) This Emergency Contract and any amendments thereto; and
- (2) The Previous Contract.

2. Section 4.D., MISSISSIPPICAN ENROLLMENT AND DISENROLLMENT – Member Information Packet, is hereby amended to remove existing language and be replaced with the following:

The Contractor must provide each Member an information packet indicating the Member's first effective date of Enrollment. The Contractor must ensure the information is provided no later than fourteen (14) calendar days after the Contractor receives notice of the Member's enrollment. The Contractor must utilize at least standard mail, in envelopes marked with "Return Services Requested" as the medium for providing the Member identification cards, in addition to electronic notification, if available. The Division must receive a copy of this packet on an annual basis for review and approval, or at any point when changes are made to the packet. At a minimum, the member packet must include:

1. An introductory letter;
2. A MississippiCAN or CHIP identification (as appropriate for the Member);

3. Information about how to obtain a copy of a provider Directory in compliance with 42 C.F.R. §438.10(f)(6)(h) at a minimum; and
4. Information about how to obtain a copy of the Member Handbook. If a Member requests a hard copy of the Member Handbook, the Contractor shall provide a hard copy. Otherwise, the Contractor shall make the Member Handbook available online.

If an individual is re-enrolled within sixty (60) calendar days of Disenrollment, the Contractor is only required to send the Member a new identification card. However, the complete Member Information Packet must be supplied upon Member request.

3. Section 5.F.2., COVERED SERVICES AND BENEFITS – Prescribed Drugs, Physician-Administered Drugs and Implantable Drug System Devices, Requirements Beginning on Effective Date of Live Operations of Division PBA, is hereby amended to add the following language:

Effective January 1, 2025, certain high-cost drugs provided in an inpatient hospital setting will be reimbursed separately from the APR-DRG payment. A separate outpatient hospital claim may be submitted by the hospital to receive reimbursement for certain high-cost drugs during the time of inpatient services. High-cost drugs will be reimbursed using the provider's invoice price. Invoice price must be the actual net price paid by the hospital. The list of high-cost drugs is maintained on the Division of Medicaid's website at <https://medicaid.ms.gov/pharmacy/>.

Providers and coordinated care organizations are prohibited from collecting any manufacturer rebates on items included on the Preferred Diabetic Supply List.

4. Section 6.F.1., MEMBER SERVICES – Communications Standards, is hereby amended to replace sub-section 1 language with the following:
 1. Documents are comprehensive yet written to meet a Flesch-Kincaid, or other Division-approved standard, readability level at or below the sixth (6th) grade level of reading comprehension. Materials must set forth the Flesch-Kincaid, or other approved standard, score and certify compliance with this standard. These requirements shall not apply to language that is mandated by Federal or State laws, regulations, or agencies.

All other language within Section 6.F. shall remain unchanged.

5. Section 13.A.5., FINANCIAL REQUIREMENTS – Capitation Payments – Refund and Recoupment, is hereby amended to remove existing language and be replaced with the following:

The Division may request and obtain a refund of, or it may recoup from subsequent

payments, any payment previously made to the Contractor for a Member who is determined to have been ineligible for Enrollment for any month. Upon notice by the Division of a Member who is ineligible, the Contractor may recoup from any Providers previously paid the amounts for any provided covered services. The Contractor must recoup these amounts within one hundred twenty (120) days of notification that the Member is ineligible.

6. Section 13.A.9., FINANCIAL REQUIREMENTS – Capitation Payments – Capitation Rates, is hereby amended to add the following to update SFY 2024 and SFY 2025 Capitation Rates:

SFY 2024 Capitation Rates (Dec. 20, 2024 Update)

The table below includes Capitation Rates of this Contract, which are the capitation rates per member per month (PMPM) varying by region and Rate Cell. Each Contractor will be paid based on the distribution of Members they have in each Rate Cell. The Non-Newborn SSI/Disabled, MA Adult, MA Children and Quasi-CHIP rate cells will be risk adjusted. These four Rate Cells have a Risk Adjustment factor, calculated on a prospective basis using CDPS+RX, applied to each rate re-calculated based on each Contractor's actual risk scores. The Foster Care Rate Cell will also be risk adjusted on a concurrent basis using a members' eligibility for either state or federal financial assistance to assign a risk score.

The table below establishes the CCO Capitation Rates per member per month (PMPM) for MississippiCAN. These rates are effective for the following Rate Cells: Non-Newborn SSI/Disabled; Foster Care; Breast and Cervical Cancer; SSI/Disabled Newborn; MA Adults; Pregnant Women; and Non-SSI Newborns. Additionally, Capitation Rates are included for MA Children and Quasi-CHIP Children, and Mississippi Youth Programs Around the Clock (MYPAC) rate cells. Capitation rates are for the period of State Fiscal Year 2023 (July 1, 2022 through June 30, 2023) and State Fiscal Year 2024 (July 1, 2023 through June 30, 2024) respectively.

These rates exclude MHAP FSA, QIPP, MAPS, TREAT, HIF, and Physician Directed Payments (as applicable); however, the MHAP FSA will be paid separately monthly as a financial transaction. Rates are prior to the application of a 1.00 percent Quality Withhold. These rates also do not include any additional directed payments related to hospital employed or contracted physician payment arrangements.

Molina Healthcare of Mississippi, Inc. MississippiCAN Capitation Rates State Fiscal Year (SFY 24) Capitation Rates PMPM (excluding Risk Scores) Effective July 1, 2023– June 30, 2024			
Rate Cell	North	Central	South
Non- Newborn SSI-Disabled	\$1,201.06	\$1,370.44	\$1,397.66
Breast/Cervical Cancer	\$3,156.19	\$3,601.30	\$3,672.83
MA Adults	\$537.32	\$577.83	\$576.03
Pregnant Women	\$696.80	\$749.34	\$747.01
SSI-Disabled Newborn	\$8,256.42	\$8,599.82	\$8,197.13
Non-SSI Newborns 0-2 Months	\$2,247.59	\$2,341.07	\$2,231.45
Non-SSI Newborns 3-12 Months	\$299.71	\$312.18	\$297.56
Foster Care	\$725.14	\$755.30	\$719.93
MYPAC	\$3,887.92	\$4,049.62	\$3,860.00
MA Children	\$237.12	\$246.98	\$235.42
Quasi-CHIP	\$250.13	\$260.53	\$248.33

*Capitation rate per the December 20, 2024 Actuarial Report attached as Exhibit 1 to this Amendment 1.

Rates are prior to the application of a 1.00% quality withhold.

Rates exclude MHAP FSA, QIPP, MAPS, TREAT, HIF, and Physician Directed Payments.

The Contractor is not allowed to affect the assignment of risk scores through any post-billing claims review process for the assignment of additional diagnosis codes. Diagnosis codes may only be recorded by the provider at the time of the creation of the medical record and may not be retroactively adjusted except to correct errors.

SFY 2025 Capitation Rates (Dec. 4, 2024 Update)

The table below includes Capitation Rates of this Contract, which are the capitation rates per member per month (PMPM) varying by region and Rate Cell. Each Contractor will be paid based on the distribution of Members they have in each Rate Cell. The Non-Newborn SSI/Disabled, MA Adult, MA Children and Quasi-CHIP rate cells will be risk adjusted. These four Rate Cells have a Risk Adjustment factor, calculated on a prospective basis using CDPS+RX, applied to each rate re-calculated based on each Contractor's actual risk scores. The Foster Care Rate Cell will also be risk adjusted on a concurrent basis using a members' eligibility for either state or federal financial assistance to assign a risk score.

The table below establishes the CCO Capitation Rates per member per month (PMPM) for MississippiCAN. These rates are effective for the following Rate Cells: Non-Newborn SSI/Disabled; Foster Care; Breast and Cervical Cancer; SSI/Disabled Newborn; MA Adults; Pregnant Women; and Non-SSI Newborns. Additionally, Capitation Rates are included for MA Children and Quasi-CHIP Children, and Mississippi Youth Programs Around the Clock (MYPAC) rate cells. Capitation rates are for the period of State Fiscal

State Fiscal Year 2025 (July 1, 2024 through June 30, 2025).

These rates exclude MHAP FSA, QIPP, MAPS, TREAT, Rural Hospital Ambulatory Payment Classification (APC) Opt-Out Payments, and HIF (as applicable, and Physician Directed Payments (as applicable); however, the MHAP FSA, QIPP, MAPS, TREAT, Rural Hospital Ambulatory Payment Classification (APC) Opt-Out Payments will be paid separately monthly as a financial transaction; while the MOMS payments will be paid separately annually as a financial transaction. Rates are prior to the application of a 1.00 percent Quality Withhold. These rates also do not include any additional directed payments related to hospital employed or contracted physician payment arrangements.

Molina Healthcare of Mississippi, Inc. MississippiCAN Capitation Rates State Fiscal Year (SFY 25) Capitation Rates PMPM (excluding Risk Scores) Effective July 1, 2024 – June 30, 2025			
Rate Cell	North	Central	South
Non- Newborn SSI-Disabled	\$756.04	\$896.04	\$943.32
Breast/Cervical Cancer	\$2,763.68	\$3,275.43	\$3,448.27
MA Adults	\$362.51	\$374.04	\$357.31
Pregnant Women	\$621.91	\$641.70	\$613.01
SSI-Disabled Newborn	\$6,799.70	\$7,186.55	\$6,062.19
Non-SSI Newborns 0-2 Months	\$2,372.77	\$2,507.77	\$2,115.42
Non-SSI Newborns 3-12 Months	\$313.50	\$331.34	\$279.50
Foster Care	\$634.72	\$670.83	\$565.87
MYPAC	\$3,440.38	\$3,636.12	\$3,067.23
MA Children	\$209.71	\$221.65	\$186.97
Quasi-CHIP	\$205.82	\$217.53	\$183.50

*Capitation rate per the December 4, 2024 Actuarial Report attached as Exhibit 2 to this Amendment 1. Rates are prior to the application of a 1.00% quality withhold.

Rates exclude MHAP FSA, QIPP, MAPS, TREAT, and Rural Hospital Ambulatory Payment Classification (APC) Opt-Out Payments.

The Contractor is not allowed to affect the assignment of risk scores through any post-billing claims review process for the assignment of additional diagnosis codes. Diagnosis codes may only be recorded by the provider at the time of the creation of the medical record and may not be retroactively adjusted except to correct errors.

SFY 2025 Capitation Rates (Feb. 6, 2025 Update)

The table below includes Capitation Rates of this Contract, which are the capitation rates per member per month (PMPM) varying by region and Rate Cell. Each Contractor will be paid based on the distribution of Members they have in each Rate Cell. The Non-Newborn SSI/Disabled, MA Adult, MA Children and Quasi-CHIP rate cells will be risk adjusted. These four Rate Cells have a Risk Adjustment factor, calculated on a

prospective basis using CDPS+RX, applied to each rate re-calculated based on each Contractor's actual risk scores. The Foster Care Rate Cell will also be risk adjusted on a concurrent basis using a members' eligibility for either state or federal financial assistance to assign a risk score.

The table below establishes the CCO Capitation Rates per member per month (PMPM) for MississippiCAN. These rates are effective for the following Rate Cells: Non-Newborn SSI/Disabled; Foster Care; Breast and Cervical Cancer; SSI/Disabled Newborn; MA Adults; Pregnant Women; and Non-SSI Newborns. Additionally, Capitation Rates are included for MA Children and Quasi-CHIP Children, and Mississippi Youth Programs Around the Clock (MYPAC) rate cells. Capitation rates are for the period of State Fiscal State Fiscal Year 2025 (July 1, 2024 through June 30, 2025).

These rates exclude MHAP FSA, QIPP, MAPS, TREAT, Rural Hospital Ambulatory Payment Classification (APC) Opt-Out Payments, and HIF (as applicable, and Physician Directed Payments (as applicable); however, the MHAP FSA, QIPP, MAPS, TREAT, Rural Hospital Ambulatory Payment Classification (APC) Opt-Out Payments will be paid separately monthly as a financial transaction; while the MOMS payments will be paid separately annually as a financial transaction. Rates are prior to the application of a 1.00 percent Quality Withhold. These rates also do not include any additional directed payments related to hospital employed or contracted physician payment arrangements.

Molina Healthcare of Mississippi, Inc. MississippiCAN Capitation Rates State Fiscal Year (SFY 25) Capitation Rates PMPM (excluding Risk Scores) Effective July 1, 2024 - June 30, 2025			
Rate Cell	North	Central	South
Non- Newborn SSI-Disabled	\$759.18	\$900.54	\$946.20
Breast/Cervical Cancer	\$2,791.13	\$3,310.83	\$3,478.69
MA Adults	\$363.10	\$374.70	\$357.93
Pregnant Women	\$621.98	\$641.85	\$613.11
SSI-Disabled Newborn	\$6,799.51	\$7,185.86	\$6,059.94
Non-SSI Newborns 0-2 Months	\$2,372.70	\$2,507.52	\$2,114.62
Non-SSI Newborns 3-12 Months	\$313.48	\$331.29	\$279.38
Foster Care	\$636.29	\$672.44	\$567.08
MYPAC	\$3,442.53	\$3,638.14	\$3,068.09
MA Children	\$210.41	\$222.37	\$187.53
Quasi-CHIP	\$206.58	\$218.32	\$184.11

*Capitation rate per the February 6, 2025 Actuarial Report attached as Exhibit 3 to this Amendment 1.

Rates are prior to the application of a 1.00% quality withhold.

Rates exclude MHAP FSA, QIPP, MAPS, TREAT, and Rural Hospital Ambulatory Payment Classification (APC) Opt-Out Payments.

The Contractor is not allowed to affect the assignment of risk scores through any post-billing claims review process for the assignment of additional diagnosis codes. Diagnosis codes may only be recorded by the provider at the time of the creation of the medical record and may not be retroactively adjusted except to correct errors.

7. Exhibit 4 to this Amendment No. 1 incorporates for reference the below attachments for previous rating periods pursuant to Article I of the SFY25 Emergency Contract:

- 1) SFY 2022 Q3 to Q4 MSCAN Risk Adjustment and Exhibits; and
- 2) SFY 2023 MSCAN Rate Certification Letter and Exhibits;

All other terms, conditions, and provisions set out in the Original SFY25 Emergency Contract other than those modified and amended herein, remain in full force and effect for the duration of the SFY25 Emergency Contract.

[remainder of this page left intentionally blank]

IN WITNESS WHEREOF, the parties have executed this Amendment Number One by their duly authorized representatives as follows:

Mississippi Division of Medicaid

By: Cindy Bradshaw
Cindy Bradshaw
Executive Director

Date: 7/1/2025 | 3:16:12 PM CDT

Molina Healthcare of Mississippi, Inc.

By: David Livingston
David Livingston
Chief Executive Officer

Date: 7/1/2025 | 1:55:28 PM CDT



**DOM MSCAN SFY25 EMERGENCY CONTRACT
AMENDMENT 1
Exhibit 1**



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

December 20, 2024

Jennifer Wentworth
Chief of Staff
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Report22 State Fiscal Year 2024 MississippiCAN Preliminary Rate Calculation and Certification - Updated

Dear Jennifer:

The Mississippi Division of Medicaid (DOM) has retained Milliman to develop actuarially sound capitation rates for state fiscal year (SFY) 2024 for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for Medicaid beneficiaries.

This report updates the preliminary capitation rates for all populations enrolled in MississippiCAN from the prior iteration dated May 1, 2023.¹ Overall, the SFY 2024 capitation rates in this report are 3.2% higher than the SFY 2023 capitation rates issued on August 22, 2023 (when compositing rates using calendar year (CY) 2021 membership). This report assumes ultimate approval of the preprints submitted to CMS for directed payments and directed fee schedules.

This report updates our preliminary capitation rates; the following changes were made in this report relative to the prior certification:

- Adjustments were made to trends to reflect the fee schedule changes listed below. The impact of these updates are reflected in line 1 of Table 1 below.
 - Orthodontia services effective October 1, 2023: fee schedule changes for orthodontia services are included in the unit charge trends for non-pharmacy costs.
 - Behavioral health services effective October 1, 2023: fee schedule changes, including updates for community mental health center services, are included in unit cost trends.
 - Ambulatory surgical centers (ASC) effective October 1, 2023: fee schedule changes for ASC services are included in the unit cost trends for outpatient services.
 - Mississippi Youth Program Around the Clock (MYPAC) effective November 1, 2023: fee schedule changes for MYPAC services are included in the physician unit cost trends for the MYPAC population.
 - Psychiatric residential treatment facilities (PRTF) effective January 1, 2024: fee schedule changes for PRTF services are included in the inpatient unit cost trends.
- Updated population acuity adjustments for the MA Adult, MA Children, and Quasi CHIP rate cells to reflect membership changes during the unwinding of the continuous coverage requirement during the COVID-19 public health emergency (PHE) declaration, based on actual enrollment changes during the unwinding period. The impact of this change is shown in line 2 below.
- Included an estimate of the impact of extension of postpartum coverage from 60 days to 12 months effective July 2023. The impact of this update is reflected in line 3 below.

¹ "Report11 - SFY 2024 Preliminary MississippiCAN Rate Calculation and Certification.pdf" dated May 1, 2023.



- Inclusion of newly covered costs for medications to treat obesity that were added to the preferred drug list (PDL) effective July 1, 2023. The impact of the additional costs related to these medications is reflected in row 4 below. The impact of medical cost savings is reflected in line 5.
- Inclusion of newly covered costs for gene-therapies for the conditions listed below. The impact of this is reflected in line 6 of Table 1 below.
 - Beta-Thalassemia
 - Duchene Muscular Dystrophy
 - Hemophilia A
 - Hemophilia B
 - Sickle Cell Disease
- Removal of the following MississippiCAN carve-outs in conjunction with introducing the high-cost pharmacy risk corridor in SFY 2024.
 - Individuals diagnosed with Hemophilia or Von Willebrand Disease: effective January 1, 2024 any members utilizing clotting factor medications will remain in MississippiCAN, rather than having their enrollment transferred to FFS. The impact of this change is reflected in lines 6 and 7 below.
 - Zolgensma: effective July 1, 2023 Zolgensma claims will be covered as part of the capitation rate payment and included in the high cost pharmacy risk corridor. The impact of this change is reflected in line 6 below.
- Insulin and inhaler price adjustments related to the removal of the average manufacturer's price (AMP) cap effective January 1, 2024. The impact of this update is shown in row 8 of Table 1 below.
- Table 1 excludes the impact of any changes to state directed payment amounts; however, we updated the SFY 2024 TREAT and MHAP amounts to align with the most recent preprint submissions approved by CMS.
- Several additional minor updates were also made that either had a negligible impact (or no impact) on capitation rates. These updates are listed below.
 - Updated the rate change buildup to use the most recent version of SFY 2023 capitation rates, as described in the report dated August 22, 2023.
 - Added an additional line to the rate change buildup exhibit (shown in Table 2 of the report in total and by population in Exhibit 5) to reflect the removal of the population acuity adjustment included in the August 22, 2023 version of SFY 2023 capitation rates to put those rates on a 1.0 basis. The acuity adjustments included in SFY 2024 capitation rates were developed independent of the acuity adjustments included in SFY 2023 capitation rates.
 - Updated projected SFY 2024 enrollment, using enrollment estimates from our more recent budget projections.
 - Member reassignment between the MYPAC rate cell and other rate cells related to the 'SED' lock-in code during CY 2021.
 - Restatement of the impact of SSI children formerly moved to FFS due to a stay in a PRTF.
 - Estimated per-member-per-month (PMPM) costs for high-cost pharmacy and other applicable costs that will be included in a high-cost pharmacy risk corridor for SFY 2024.
 - Removed the Rural Hospital APC Opt-out Adjustment while DOM determines the most appropriate payment mechanism for this payment.

Table 1 summarizes the overall impact on capitation rates resulting from the changes noted above. The impact in Table 1 is based upon the membership distribution across rate cells in calendar year (CY) 2021. Each of these changes are described in more detail within the capitation report.



Table 1 MississippiCAN Capitation Rates Summary of SFY 2024 Rate Change Components	
Assumption Change	Change from May 1, 2023 Preliminary Rates
1. SFY 2023 to SFY 2024 Unit Cost Trends	1.002
2. Acuity Adjustment: PHE Unwind	1.005
3. Postpartum Coverage Extension	0.982
4. Obesity Drug Coverage	1.004
5. Obesity Drug Coverage Savings	0.997
6. Gene Therapy Drug Coverage	1.029
7. Hemophilia Population Carve-In	1.006
8. Insulin / Inhaler Price Reduction	0.994
9. Updated Admin Costs ¹	1.003
Total SFY 2024 Rate Change	1.021

¹ Administrative costs PMPM remain unchanged. The impact above is due to changing service costs.

Rates will be retroactively adjusted and recertified for the following items:

- Payments for the Mississippi Hospital Access Program (MHAP) Quality Incentive Payment Program (QIPP).
- Actual membership and utilization to determine the final MHAP fee schedule adjustment (FSA) amounts.
- Payments for the Mississippi Medicaid Access to Physician Services (MAPS) program.
- Payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program.

This recertification will be done at one time for capitation rates for the entire SFY 2024 period. This recertification is anticipated to happen two quarters following the end of SFY 2024.

As of the time of the initial development of SFY 2024 capitation rates (report dated May 1, 2023), the impact on capitation rates due to the unwinding of the COVID-19 PHE is uncertain for SFY 2024. As such, a risk corridor will be used in SFY 2024 to reflect the uncertainty in the capitation rates due to these impacts. The risk corridor is described in more detail in Section IV. In addition, explicit adjustments for COVID-19 are made in the rate development for the following:

- **Base Period Data:** The SFY 2024 capitation rates use CY 2021 data as the basis for projections. Under normal circumstances, SFY 2024 capitation rates would be based on CY 2021 and CY 2020 experience for smaller rate cells. However, given the large changes in member behavior in CY 2020, we do not find this experience to be a credible basis for SFY 2024 projections. Therefore, we use a single year of experience data for all populations as the basis for our SFY 2024 projections.
- **Acuity Adjustments:** Medicaid enrollment in the base period data (CY 2021) was elevated due to the continuous coverage requirement (CCR) in the Families First Coronavirus Act (FFCRA). Under this requirement DOM could not disenroll members who would normally lose eligibility during the PHE, as declared by the Department of Health and Human Services (HHS). Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from coordinated care organizations (CCOs) into FFS Medicaid.

This transition from the CCOs into FFS Medicaid was concentrated in several populations where members commonly churn in and out of the Medicaid population or transition between rate cells due to age requirements, including the MA Adults, MA Children, and Quasi-CHIP children. These rates cells therefore saw a large drop in membership and consequently a change in acuity over the second half of CY 2021. Therefore, we calculated an acuity adjustment for these rate cells to reflect the average acuity of the population that remained after this transition occurred. The calculation of this acuity adjustment from the shift to FFS enrollment is described in more detail later in the report.



Jennifer Wentworth
Mississippi Office of the Governor, Division of Medicaid
December 20, 2024
Page 4 of 4

Per the Consolidated Appropriations Act, 2023 (CAA), the continuous coverage requirement, which was previously tied to the federal PHE ended on March 31, 2023. Additional guidance from the Centers for Medicare and Medicaid Services (CMS) indicates that states will have 14 months after this date to complete redeterminations for affected enrollees. Within the options outlined by CMS, DOM began eligibility redeterminations starting in April 2023 and began disenrolling Mississippi Medicaid recipients who are no longer eligible in July 2023 and throughout the following year. An acuity adjustment reflecting this enrollment change was developed using actual SFY 2024 enrollment and is discussed in more detail later in the report.

- **COVID-19 / Influenza / RSV Adjustment:** We developed an adjustment for the estimated difference in costs included in the CY 2021 base period data and projected SFY 2024 costs for testing, vaccination, and treatment for influenza, respiratory syncytial virus (RSV), and COVID-19. These population specific adjustments reflect an expected decrease in COVID-19 costs and an expected increase in influenza and RSV costs from CY 2021 to SFY 2024.



Jennifer, please call us at 262 784 2250 if you have questions. We look forward to discussing this report with you and the CCOs.

Sincerely,

A handwritten signature in black ink, reading 'Jill Bruckert'.

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachments

A handwritten signature in black ink, reading 'Katarina Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

MILLIMAN REPORT

State of Mississippi Division of Medicaid

State Fiscal Year 2024 MississippiCAN Preliminary Rate Calculation and Certification - Updated

December 20, 2024

[Jill A. Bruckert](#), FSA, MAAA
Principal and Consulting Actuary

[Katarina N. Lorenz](#), FSA, MAAA
Consulting Actuary



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com



Table of Contents

I. SUMMARY AND DISCUSSION OF RESULTS..... 1

II. MISSISSIPPICAN BACKGROUND..... 8

III. BASE DATA DEVELOPMENT..... 11

IV. PROJECTED SFY 2024 CAPITATION RATES 15

EXHIBITS (Provided in Excel format only)

Capitation Rate Development

EXHIBIT 1	Base Data Exhibits – CY 2021 Encounter Data
EXHIBIT 2A	Final Base Data and Projection Assumptions
EXHIBIT 2B	MA Adult and Pregnant Women Aggregate Service PMPMs
EXHIBIT 3	Statewide Non-Service Expense Allowance Development
EXHIBIT 4	Final SFY 2024 Capitation Rates

Capitation Rate Support

EXHIBIT 5	SFY 2023 to SFY 2024 Rate Change
EXHIBIT 6	Service Category to Milliman HCGs Grouper Category Mapping
EXHIBIT 7A	Historical PMPM Trend Summary – All Populations
EXHIBIT 7B	Historical PMPM Trend Summary – SSI+ Population
EXHIBIT 7C	Historical PMPM Trend Summary – Adults Population
EXHIBIT 7D	Historical PMPM Trend Summary – Children Population
EXHIBIT 7E	Historical PMPM Trend Summary – Deliveries
EXHIBIT 8A	Pharmacy Trend Summary – Traditional
EXHIBIT 8B	Pharmacy Trend Summary – Specialty
EXHIBIT 9	Enhanced Match Services
EXHIBIT 10A	CY 2021 Databooks – Summary of Total Costs by Rate Cell
EXHIBIT 10B	CY 2021 Databooks – Summary of Allowed PMPM by Rate Cell
EXHIBIT 10C	CY 2021 Databooks – Summary of Total Costs by Rate Cell
EXHIBIT 10D	CY 2021 Databooks – Summary of Utilization / 1000 and Average Charge by Rate Cell
EXHIBIT 11	Encounter Data – 5% Assessment Categories
EXHIBIT 12	Summary of Population, Program, and Reimbursement Changes
EXHIBIT 13	Capitation Rate Component Change Summary
EXHIBIT 14	Unit Cost Trends by Category of Service
EXHIBIT 15	Seasonal Virus Adjustment

Expenditure Projection

EXHIBIT 16	MississippiCAN Expenditure Estimate

Risk Corridor Calculations

EXHIBIT 17A	Illustrative High-Cost Pharmacy Settlement
EXHIBIT 17B	Illustrative MLR Development
EXHIBIT 17C	High-Cost Drug Risk Corridor Development
EXHIBIT 17D	High-Cost Drug Risk Corridor Development – Gene Therapy Supplemental Support

Table of Contents *(continued)*

Data Processing Support

EXHIBIT 18A	Procedure Codes for Non-Psychiatric Physician Visits
EXHIBIT 18B	Procedure Codes for Psychiatric Physician Visits
EXHIBIT 18C	NDCs Excluded from Monthly Pharmacy Script Limit
EXHIBIT 19	Insulin / Inhaler Price Reduction by Product

APPENDICES

Supporting Documentation

APPENDIX A	SFY 2024 Rate Cell Definitions
APPENDIX B	Data Sources and Processing
APPENDIX C	CMS Managed Care Rate Setting Guide Response
APPENDIX D	Actuarial Certification of SFY 2024 MississippiCAN Capitation Rates
APPENDIX E	Data Reliance Letter

I. SUMMARY AND DISCUSSION OF RESULTS

The Mississippi Division of Medicaid (DOM) retained Milliman to calculate, document, and certify to capitation rates for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for targeted Medicaid beneficiaries, effective for state fiscal year (SFY) 2024. This report provides preliminary SFY 2024 capitation rates and documents their development. This report is structured as follows:

- Section I includes a high-level overview of the change in capitation rates relative to the July 1, 2022 to June 30, 2023 (SFY 2023) capitation rates
- Section II provides a short background of the MississippiCAN program
- Section III documents the development of the base data
- Section IV documents the rate setting process for SFY 2024 capitation rates
- Appendices A and B contain additional details on the SFY 2024 rate cell definitions and base period data sources and processing
- Appendix C provides responses to the CMS managed care rate setting guide for all rate cells
- Appendix D contains an Actuarial Certification for all MississippiCAN rate cells
- Appendix E documents our reliance on DOM for data and other assumptions in the development of the capitation rates

SFY 2024 CAPITATION RATES

Table 1 includes per member per month (PMPM) preliminary capitation rates effective for SFY 2024 that will be paid to the Coordinated Care Organizations (CCOs) on a monthly basis (excluding all directed payments) to provide medical and pharmacy services to their enrolled beneficiaries. Each CCO will be paid based on the distribution of members enrolled in each rate cell. In addition, CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions: North, Central, or South, as shown in Appendix A.

Table 1 Mississippi Division of Medicaid MississippiCAN Capitation Rates Per Member Per Month (PMPM) ¹ Effective SFY 2024			
Rate Cell	North	Central	South
Non-Newborn SSI / Disabled	\$1,201.06	\$1,370.44	\$1,397.66
Breast and Cervical Cancer	\$3,156.19	\$3,601.30	\$3,672.83
MA Adult	\$537.32	\$577.83	\$576.03
Pregnant Women	\$696.80	\$749.34	\$747.01
SSI / Disabled Newborn	\$8,256.42	\$8,599.82	\$8,197.13
Non-SSI Newborns 0 to 2 Months	\$2,247.59	\$2,341.07	\$2,231.45
Non-SSI Newborns 3 to 12 Months	\$299.71	\$312.18	\$297.56
Foster Care	\$725.14	\$755.30	\$719.93
MYPAC	\$3,887.92	\$4,049.62	\$3,860.00
MA Children	\$237.12	\$246.98	\$235.42
Quasi-CHIP	\$250.13	\$260.53	\$248.33

¹ Capitation rates in Table 1 exclude MHAP, MAPS, TREAT, and are prior to the application of the quality withhold.

In addition, there are multiple directed payments that are paid outside of the monthly capitation rates and excluded from Table 1. The estimated cost for each directed payment is included as a PMPM amount in the preliminary SFY 2024 capitation rates. These PMPM amounts will be retrospectively adjusted on a CCO-specific basis to reflect final payments made for each program.

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

- The Mississippi Hospital Access Program (MHAP) hospital fee schedule adjustment (FSA) are paid outside of the capitation rates on a monthly basis. This amount varies by rate cell on a PMPM basis based on projected utilization of inpatient and outpatient services and actual membership. The MHAP FSA payments are projected to be \$733.8 million in SFY 2024. Please see Section IV of this report for additional details on the MHAP FSA.
- Payments for the MHAP quality incentive payment program (QIPP) are paid outside of the capitation rates on a quarterly basis. The MHAP QIPP payments are projected to be \$788.5 million in SFY 2024. Please see Section IV of this report for additional details on the MHAP QIPP.
- The Mississippi Medicaid Access to Physician Services (MAPS) program in MississippiCAN enhances payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital, or who assigned Mississippi Medicaid payments to a qualifying hospital. The MAPS payments are estimated to be \$39.4 million in SFY 2024. Please see Section IV of this report for additional details on the MAPS program.
- The Payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program in MississippiCAN for SFY 2024 enhances payments to eligible emergency ambulance providers. The TREAT payments are estimated to be \$20.6 million in SFY 2024. Please see Section IV of this report for additional details on the TREAT program.

In addition, the capitation rates will be adjusted on a CCO-specific basis for the following rate adjustments:

- **Quality Withhold:** As in SFY 2023 rates, DOM will apply a quality withhold to MississippiCAN payments in SFY 2024 based on metrics reported by the CCOs. The PMPM capitation rates in Table 1 are prior to the application of this quality withhold. Please see Section IV for more information on the quality withhold for SFY 2024.
- **Risk Adjustment:** The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be risk adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO and will be budget-neutral to DOM. The CDPS + Rx demographic and disease category weights are calculated using Mississippi fee-for-service (FFS) and encounter data.

The capitation rates for the Foster Care rate cell will be risk adjusted using a custom risk adjustment model developed for this population. This custom model uses a member's eligibility for either state or federal financial assistance to assign a risk score. The risk adjustment for the Foster Care rate cell will be applied on a concurrent basis.

Please see Section IV for more information on the application of risk adjustment to the applicable rate cells.

- **Risk Corridor:** Similar to SFY 2023, a risk corridor will be applied to recognize the uncertainty in determining rate setting assumptions for the impact of COVID-19 on the SFY 2024 rating period.
- **High-Cost Pharmacy Risk Corridor:** In SFY 2024, a high-cost pharmacy risk corridor will be applied to recognize the uncertainty in determining rate setting assumptions for the impact of current and anticipated high-cost medications.

Please see Section IV for more information on how the risk corridor settlements will be calculated.

Our Actuarial Certification of the SFY 2024 MississippiCAN capitation rates is included as Appendix D. It should be emphasized that capitation rates are a projection of future costs based on a set of starting data and assumptions. Actual costs will be dependent on each contracted CCO's situation, experience, and enrolled population.

SELECTION OF BASE DATA

Under normal circumstances, data from CY 2021 would be used as the primary base data for SFY 2024 capitation rates with data from CY 2020 used to supplement CY 2021 data for rate cells with fewer than 150,000 member months. Due to the emergence of COVID-19 in early 2020, the CY 2020 encounter data shows significantly different utilization and cost patterns than expected for SFY 2024. Therefore, we did not rely upon CY 2020 data and CY 2021 data was used as our sole base data source for all rate cells in development of the SFY 2024 capitation rates, regardless of membership.

While CY 2021 encounter data was the primary data source for SFY 2024 capitation rates, we used emerging data from CY 2022 to inform assumptions used to develop the SFY 2024 capitation rates, including utilization trend assumptions and service mix changes expected to persist post-COVID-19. In addition, we reviewed experience on a monthly basis during CY 2021 and made adjustments, as appropriate, to reflect differences in utilization and / or service mix not captured in the CY 2021 base data.

COVID-19 CONSIDERATIONS IN SFY 2024 RATE DEVELOPMENT

As of the time of the initial development of SFY 2024 capitation rates (report dated May 1, 2023), the impact on SFY 2024 capitation rates due to COVID-19 and the associated CCR unwinding is difficult to predict. As such, a risk corridor will be in effect in SFY 2024 to reflect the uncertainty in the capitation rates due to COVID-19. The risk corridor is described in more detail in Section IV.

In addition, explicit adjustments for COVID-19 are made in the rate development for the following, as described in Section IV:

- Population acuity
- Seasonal virus adjustment

CAPITATION RATE CHANGE SUMMARY

Table 2 summarizes the change in capitation rates from SFY 2023² to SFY 2024. This comparison is shown excluding the impact of directed payments and is composited across all rate cells using CY 2021 membership. Table 2 also summarizes changes excluding the impact of program changes (noted by footnote 2 in Table 2), which increase or decrease total program costs concurrently with revenue for the CCOs and excluding the impact of COVID-19 adjustments (noted by footnote 3 in Table 2).

² "Report19 - SFY 2023 Preliminary MississippiCAN Rate Calculation and Certification.pdf" dated August 22, 2023.

Table 2
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
Summary of SFY 2024 Rate Change Components¹

	Aggregated with CY 2021 Membership
SFY 2023 Capitation Rate	\$466.43
Base Period Data Update	0.936
Restate CY 2021 to SFY 2023 Trends	1.014
Restate CY 2021 to CY 2022 PDL Adjustment ²	1.001
Remove SFY 2023 Population Acuity Adjustment ³	0.989
Other Restated Assumptions ²	1.000
Updates Relative to SFY 2023 Assumptions	0.940
SFY 2023 to SFY 2024 Utilization Trends	1.024
SFY 2023 to SFY 2024 Unit Cost Trends ²	1.026
Seasonal Virus Adjustment	0.991
Acuity Adjustment: Shift to FFS ³	1.033
Acuity Adjustment: PHE Unwind ³	1.005
MYPAC Member Identification Change ²	1.000
Postpartum Coverage Extension ²	0.982
PDL CY 2022 to CY 2023 Adjustment ²	1.000
Obesity Drug Coverage ²	1.004
Obesity Drug Coverage Savings ²	0.997
Gene Therapy Drug Coverage ²	1.029
Gene Therapy Drug Coverage Savings ²	1.000
Hemophilia Population Carve-In ²	1.006
Insulin / Inhaler Price Reduction ²	0.994
SFY 2024 Preventative and Diagnostic Dental Reimbursement Change ²	1.001
SFY 2024 Restorative Dental Reimbursement Change ²	1.000
Update Admin	1.004
Preliminary SFY 2024 Rate Change	1.032
SFY 2024 Rate Change - Excluding Program Changes²	0.993
SFY 2024 Rate Change - Excluding COVID-19 Adjustments³	1.004

¹ Rate changes exclude MHAP, MAPS, TREAT, and the quality withhold.

² Program change that increases or decreases total program costs outside of the control of the CCOs.

³ COVID-19 adjustments include the acuity change resulting from the member shift to FFS.

The values quoted below are all based on CY 2021 membership composites.

- The development of SFY 2024 capitation rates is a ground-up approach where the base data and each assumption is evaluated separate from the SFY 2023 capitation rates. However, for the purposes of explaining the rate change from SFY 2023 to SFY 2024, we isolate the impact of rebasing the data and assumptions that we updated relative to the data or assumptions used to develop the SFY 2023 values. Overall, this rebasing decreased the projection of SFY 2023 costs by 6.0% from costs projected in the SFY 2023 capitation rates. This change contains the following sub-components:
 - As stated above, SFY 2023 rates used CY 2019 data supplemented with CY 2018 data as the basis for capitation rate development. For SFY 2024, we rely exclusively on CY 2021 encounter data as the basis for rate development. The impact of changing our base data reduced projected costs by 6.4%.
 - Milliman restated CY 2021 to SFY 2023 trend assumptions. This included the recalculation of annual trend assumptions based on reviewing restated data, changes to the lengths of time during which utilization trends were applied from CY 2021 to SFY 2023, and the restatement of CY 2021 to SFY 2023 pharmacy unit cost trends; all topics are discussed in Section IV. Overall, this trend restatement resulted in an overall 1.4% increase to capitation rates.

- Milliman restated the impact of PDL changes effective January 1, 2022. This resulted in an additional 0.1% increase to SFY 2024 rates relative to SFY 2023 rates.
 - The SFY 2023 population acuity adjustment for the MA Adult, MA Children, and Quasi-CHIP rate cells is removed to put those SFY 2023 capitation rates on a 1.0 basis. The impact of removing this adjustment is a decrease to overall capitation rates of 1.1%. Acuity adjustments from CY 2021 to CY 2024 are applied as separate adjustments, as described below.
 - Various other assumptions were restated, most notably the application of the preventative and diagnostic dental reimbursement increases occurring on July 1, 2021 and July 1, 2022. These restated assumptions are approximately net neutral to SFY 2024 capitation rates.
- Composite utilization trend assumptions from SFY 2023 to SFY 2024 increased projected costs 2.4%.
 - Composite unit cost trend assumptions from SFY 2023 to SFY 2024 increased projected costs 2.6%. This is driven by a large unit cost increase for outpatient services as that fee schedule is unfrozen July 1, 2023. In addition, there were other service specific fee schedules that had material changes on a population specific basis (e.g., PRTF increases result in large reimbursement change for Foster Care), as outlined in Section IV.
 - An adjustment to estimate changes in testing, treatment, and vaccination costs for COVID-19, flu, and RSV decrease the overall rate by 0.9%, as shown in the seasonal virus adjustment in Table 2. These population specific adjustments were developed to reflect a reduction in COVID-19 related costs in SFY 2024 relative to CY 2021 but an increase in flu and RSV costs from the dampened experience included in the CY 2021 base data.
 - MississippiCAN membership, primarily in the MA Adult, MA Children, and Quasi-CHIP rate cells, has been shifted to FFS as DOM began performing eligibility redeterminations in 2021 and continuing into 2022. On average, the individuals that were moved from MississippiCAN to FFS were lower than average cost individuals, resulting in an increase in the average acuity of membership remaining in these rate cells relative to the CY 2021 base period data. A population specific acuity adjustment is applied to these rate cells resulting in an overall increase of 3.3% across all rate cells.
 - An adjustment to reflect the impact of the PHE unwind on population acuity for the MA Adult, MA Children, and Quasi-CHIP rate cells was developed based on risk score differences between June 2022 and SFY 2024. Overall, this adjustment increases capitation rates 0.5%.
 - Membership assignment associated with the “SED” lock-in flag was adjusted to correct for an inconsistency in how the lock-in flag was applied to some members from July through December 2021. This primarily affects the Mississippi Youth Program Around the Clock (MYPAC) rate cell as members utilizing MYPAC services were assigned to other children rate cells. This adjustment is overall net neutral as members were reassigned between rate cells.
 - Per SB 2212, postpartum coverage extended from 60 days to 12 months for members who gave birth on or after April 1, 2023 such that the first enrollment month under the coverage extension is July 2023. Previously, members in the Pregnant Women rate cell were transitioned out of the rate cell after their 60 days of postpartum coverage concluded. An adjustment to account for the estimated cost differential between the prior coverage and the additional 10 months of postpartum coverage decreased overall SFY 2024 capitation rates by 1.8% on a PMPM basis across all rate cells. However, due to the additional membership introduced into the program, we estimate total program SFY 2024 costs increased by 0.8% due to the postpartum extension.
 - PDL updates effective January 1, 2023 across all populations are estimated to be neutral to gross pharmacy costs prior to DOM rebate collection.
 - PDL updates for the inclusion of obesity medications effective July 1, 2023 increased capitation rates by 0.4% across all rate cells. Medical cost savings associated with the obesity treatments have a partial offsetting decrease to capitation rates of 0.3%.

- Several high-cost gene therapies are currently available or will become available during SFY 2024. Anticipated medical and pharmacy costs associated with these treatments, as well as the carve-in of Zolgensma from FFS, increased rates by 2.9%. Anticipated medical savings from these therapies are estimated to be neutral across all rate cells. The actual utilization of these high-cost gene therapies is very low and is likely to be greater than or less than the estimates included in the SFY 2024 capitation rates. A high-cost drug risk corridor has been implemented for SFY 2024 to mitigate the uncertainty in the estimation of utilization of these therapies and other high-cost pharmaceuticals.
- Effective January 1, 2024, eligible members with Hemophilia or Von Willebrand disease will transition from FFS into MississippiCAN. Historically this population was carved-out of MississippiCAN due to the relatively high medical costs associated with these conditions, as well as the infrequent and non-uniform distribution of members across the CCOs. The estimated costs of adding this population to MississippiCAN increased capitation rates by 0.6% across all rate cells.
- Insulin and inhaler manufacturer cost adjustments, related to the removal of the average manufacturer's price (AMP) cap effective January 1, 2024, reduced capitation rates by 0.6% across all rate cells.
- Per SB2799, SFY 2024 MississippiCAN preventative and diagnostic dental services will be reimbursed at a rate 5% greater than in SFY 2023. Across all rate cells, this amounts to a 0.1% increase to capitation rates.
- Per HB657, SFY 2024 MississippiCAN restorative dental services will be reimbursed at a rate 5% greater than in SFY 2023. Across all rate cells, this amounts to a slight increase to capitation rates.
- Changes to administrative expenses on a PMPM basis result in an increase to the rate of approximately 0.4%, based upon CCO reported administrative expenses for CY 2021 trended to SFY 2024. A positive rate change in Table 2 indicates that the administrative costs increased as a percentage of the overall rate (i.e., administrative costs trended at a higher percentage than the overall rate). The overall PMPM for administrative expenses increased 5.8% from the SFY 2023 allowance, comprised of a fixed administrative expense increase from \$10.56 PMPM in the SFY 2023 rate to \$11.17 PMPM in the SFY 2024 rate, and a variable administrative expense decrease from 5.13% in the SFY 2023 rate to 5.11% in the SFY 2024 rate.

The total MHAP payment across all MississippiCAN members increases from \$601.2 million in SFY 2023 to \$1.522 billion in SFY 2024. Please see Section IV of this report for more information on changes to the MHAP structure for SFY 2024.

CAPITATION RATE CHANGE BY RATE CELL

Rate changes vary by capitation rate cell as shown in Table 3, which compares SFY 2024 capitation rates to SFY 2023 capitation rates, on a similar basis as Table 2. The level of detail for the rate change included in Table 2 above is shown by rate cell in Exhibit 5.

Table 3
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
Summary of Statewide SFY 2024 Rate Change¹

Rate Cell	Overall Rate Change	Excluding Program Changes²	Excluding COVID-19 Adjustments³
Non-Newborn SSI / Disabled	9.3%	0.1%	9.3%
Breast and Cervical Cancer	-10.6%	-12.4%	-10.6%
MA Adult	1.7%	-1.2%	-3.9%
Pregnant Women	-36.6%	-5.4%	-36.6%
SSI / Disabled Newborn	-5.9%	-10.7%	-5.9%
Non-SSI Newborns 0 to 2 Months	11.3%	3.3%	11.3%
Non-SSI Newborns 3 to 12 Months	5.6%	0.6%	5.6%
Foster Care	1.9%	-5.2%	1.9%
MYPAC	-5.2%	-9.9%	-5.2%
MA Children	2.7%	-0.6%	-3.2%
Quasi-CHIP	7.1%	4.5%	0.5%
Total - Aggregated with CY 2021 MMs	3.2%	-0.7%	0.4%

¹ Rate changes exclude MHAP, MAPS, TREAT, and are prior to the application of the quality withhold.

² PDL and dental reimbursement changes have been excluded from this calculation.

³ COVID-19 adjustments include the acuity change resulting from the member shift to FFS.

DATA RELIANCE AND IMPORTANT CAVEATS

Milliman has developed certain models to estimate the values included in this report. The intent of the models was to estimate SFY 2024 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting from January 2021 to August 2022 with runout through August 2022, historical and projected reimbursement information, TPL recoveries, fee schedules, pharmacy and dispensing fee pricing, and other information from DOM, MississippiCAN CCOs, Myers and Stauffer, Change Healthcare, and CMS to calculate the preliminary MississippiCAN capitation rates shown in this report. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2024 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our report is intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2024. The report and the models used to develop the values in this report may not be appropriate for other purposes. We anticipate the report will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of this report are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of this report are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

II. MISSISSIPPICAN BACKGROUND

MississippiCAN, a Coordinated Care Program for Mississippi Medicaid beneficiaries, was designed to address the following goals:

- Improve access to needed medical services – This goal is accomplished by connecting the targeted beneficiaries with a medical home, increasing access to providers, and improving beneficiaries' use of primary and preventive care services.
- Improve quality of care – This goal is accomplished by providing systems and supportive services, including disease state management and other programs that will allow beneficiaries to take increased responsibility for their health care.
- Improve efficiencies and cost effectiveness – This goal is accomplished by contracting with CCOs on a capitated basis to provide services through an efficient, cost-effective system of care.

TARGET POPULATION

MississippiCAN was implemented in all 82 counties in the State of Mississippi for all eligible beneficiaries beginning January 1, 2011 for targeted, high cost Medicaid beneficiaries defined by these categories of eligibility (COEs):

- COE001 – SSI via SDX
- COE019 – Disabled children at home
- COE025 – Working Disabled
- COE026 – DHS CWS Foster Care
- COE027 – Breast-Cervical

On December 1, 2012 the eligible population of MississippiCAN was expanded to include all Foster Care children, Non-SSI Newborns 0 to 12 months, MA Adults, and Pregnant Women, as defined by the following categories of eligibility and age requirements:

- COE003 – DHS-IV-E-Medicaid
 - COE075 – Parents / Caretakers of minor children
 - COE088 – Pregnant Women, 185% FPL – Ages 8+
 - Non-SSI Newborns – Ages 0 to 12 months
- COE003 – DHS IV-E Medicaid
 - COE026 – DHS Foster Care
 - COE071 – Newborn age 0 to 1 with income at or below 185% FPL
 - COE088 – Pregnant Women, 185% FPL

Effective December 1, 2012, all MississippiCAN populations were mandatory enrolled except SSI children, disabled children at home, Foster Care children, and members of the Mississippi Band of Choctaw Indians.

Between December 2014 and July 2015, the eligible population of MississippiCAN was expanded again to include children as defined by the following categories of eligibility, age, and income requirements:

- COE072 – Children age 1 to 5 with income at or below 133% FPL
- COE073 – Children age 6 to 19 with income at or below 100% FPL
- COE074 – Children age 6 to 19 with income between 100% and 133% FPL who would have qualified for CHIP under pre-Affordable Care Act rules

Effective January 1, 2014, COE074 children previously eligible for CHIP with income eligibility between 100% and 133% FPL became Medicaid eligible rather than CHIP eligible due to income eligibility outlined in the Affordable Care Act. These children were moved into MississippiCAN effective December 1, 2014 and referred to as "Quasi-CHIP" children.

The children covered under the above COEs previously covered in the Medicaid program are called “MA Children.” DOM phased in enrollment from FFS into MississippiCAN by July 2015, with most children transitioned between May 2015 and July 2015.

Effective December 1, 2015, in conjunction with the movement of inpatient services into MississippiCAN, enrollment procedures were changed to enroll newborns in MississippiCAN on the day of their birth. Previously, newborns were not enrolled until, on average, their second month of life due to a delay in assigning a Medicaid identification number and the process to enroll them in a CCO.

Starting October 1, 2018, Severely Emotionally Disturbed (SED) Children were covered by MississippiCAN. These children are identified with the lock-in code of “SED,” which is effective for one year after determination. To receive MYPAC services, a child must have a SED lock-in code. This population was referred to as “SED Children” prior to SFY 2021. Starting in SFY 2021, this population is referred to as the “MYPAC” rate cell.

Effective July 1, 2023, postpartum coverage extends from 60 days to 12 months. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. After July 1, 2023 this redetermination will not occur until the end of the 12 months of postpartum coverage.

Throughout this report, we frequently apply the same adjustments to rate cells with similar demographics. The rate cell groups summarized in Table 4 identify the rate cells contained within each grouping referenced throughout this report.

Table 4 Mississippi Division of Medicaid Rate Cell Groupings	
Rate Cells	Rate Cell Grouping
Non-Newborn SSI / Disabled	SSI
Breast and Cervical Cancer	SSI
MA Adult	Adults
Deliveries - MA Adult	Deliveries
Pregnant Women	Adults
Deliveries - Pregnant Women	Deliveries
SSI / Disabled Newborn	Children
Non-SSI Newborns 0 to 2 Months	Children
Non-SSI Newborns 3 to 12 Months	Children
Foster Care	Children
MYPAC	Children
MA Children	Children
Quasi-CHIP	Children

COVERED SERVICES

When MississippiCAN was first established in January 2011, three key services were initially excluded from the program. Over time, each has been moved from being covered by FFS to MississippiCAN as follows:

- Behavioral health services – Rolled into MississippiCAN effective December 1, 2012
- Non-emergent transportation services – Rolled into MississippiCAN effective July 1, 2014
- Inpatient services – Rolled into MississippiCAN effective December 1, 2015

Effective October 1, 2018, MississippiCAN included costs for psychiatric residential treatment facility (PRTF) stays. Historically, these costs were carved out of MississippiCAN, although members were not dis-enrolled from MississippiCAN.

Starting July 1, 2019, services provided at institutions for mental disease (IMD) are covered as part of the MississippiCAN program.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Effective July 1, 2023, Zolgensma will be included as a covered treatment for members with spinal muscular atrophy. Previously this drug was carved out and CCOs were reimbursed for any incurred costs.

Effective July 1, 2023, certain anti-obesity drugs will be covered for members who meet eligibility criteria. These products were previously not covered as part of the Medicaid benefit.

Effective January 1, 2024, members diagnosed with Hemophilia or Von Willebrand disease will be included in the MississippiCAN program. These members were previously carved out to the FFS program.

CCOs historically have not provided services not covered under MississippiCAN “in lieu of” covered services.

ENROLLMENT PERIOD

All beneficiaries have the ability to choose the CCO in which to enroll. Enrolled beneficiaries will have an open enrollment period during the 90 days following their initial enrollment in a CCO, during which they can enroll in a different CCO “without cause” and an open enrollment period from October to December of each year. During this time period, beneficiaries may choose to change their CCO.

Various “for cause” reasons for disenrollment at other times incorporate federal requirements, such as: providers that do not (for religious or moral reasons) offer needed services; not all related services are available in the plan’s network; or the plan lacks providers experienced in dealing with the enrollee’s health care needs.

Eligibility criteria for MississippiCAN are the same as the eligibility criteria for Mississippi Medicaid. To receive enhanced federal funding during the COVID-19 PHE, DOM paused disenrollment of members from the Mississippi Medicaid program who normally would no longer be eligible for Medicaid services. Where readily identifiable (e.g., individuals aging out of the program eligibility requirements or pregnant women reaching 60 days postpartum), individuals who would have lost normal Medicaid eligibility in the MississippiCAN program were transitioned to FFS for the remainder of the CCR. Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from coordinated care organizations (CCOs) into FFS Medicaid. Following the end of the CCR, these members Medicaid eligibility will be redetermined; members may be re-enrolled in managed care or may be disenrolled from Medicaid entirely. These redeterminations will begin in SFY 2023 and continue through SFY 2024.

The CCOs do not have the ability to directly market to targeted beneficiaries. DOM provides information about choice of CCOs and enrolls the beneficiaries into their chosen CCO. The Medicaid Fiscal Agent provides some specific services of an enrollment broker to accomplish these tasks.

III. BASE DATA DEVELOPMENT

This section of the report describes the development of the base data used for the preliminary SFY 2024 MississippiCAN capitation rates.

METHODOLOGY OVERVIEW

The base data for the SFY 2024 capitation rates was developed by summarizing eligibility, encounter claims, and financial claim data for CY 2021 MississippiCAN enrollees. Exhibit 10 contains databooks summarizing encounter data for CY 2021 for all rate cells. Please note, the total and PMPM costs shown in the 2021 databook include missing data. The total and PMPM costs in the 2021 data books tie to the starting totals on Exhibit 1 if excluding data is removed from the databook.

The remainder of this section is a high-level description of the processing for eligibility, encounter claim data, and financial claim data for CY 2021 MississippiCAN enrollees. In addition, any adjustments made to the raw data are discussed in this section and shown in Exhibit 1. Please refer to Appendices A and B of this report for additional information on the validation and processing of these data sources.

Membership

Member months by rate cell and region in CY 2021 were summarized from the detailed Medicaid eligibility data, excluding populations not covered by MississippiCAN and individuals that opted out of the program (where applicable). These enrollment counts were validated against enrollment information provided by the CCOs. In total, the enrollment in the eligibility files is 0.1% lower than reported by the CCOs.

Row (a) of Exhibit 1 includes the CY 2021 member months included in base data development. Note, the delivery component of the MA Adult and Pregnant Women rate cells use member months for the members in the underlying rate cell rather than delivery counts. The count of deliveries is included for informational purposes as a footnote in Exhibit 1.

Claim Data

DOM and Milliman go through extensive data validation processes to review CCO submitted encounter data. DOM regularly monitors encounter claims compared to cash disbursement journals (CDJs) to ensure the timeliness and completeness of submitted encounters and works with Myers and Stauffer to identify the correct original or final claim to keep in each claim string. Milliman relied on this claim status identification process to remove duplicates and identify denied claims that are anticipated to be resubmitted and accepted, as described in Appendix B.

As part of rate development, Milliman requests financial reporting data from each CCO. This financial reporting data was reconciled to each CCO's 2021 audited NAIC financial statement. After several rounds of questions to clarify, adjust, and confirm understanding of the reported financial information, Milliman compared the encounter data to the financial reporting data, for paid claims and subcapitated claims. This comparison excludes estimates for incurred but not reported (IBNR) claims and adjusts for any claims that were identified as missing from the processed encounter data. To align the financial templates and encounter data on a comparable basis, we performed this reconciliation exercise using CY 2021 data with run-out through April 2022.

In our analysis the following items are noted:

- Overall, the paid amounts in the encounters reconcile reasonably well to the paid amounts shown in the CCO financial reporting for the MississippiCAN populations. As Table 5 shows, encounter data was 0.54% lower than financial data.
- At a category of service and rate cell level, there was a greater variance between encounter data and financial reporting, particularly for non-pharmacy categories of service.

Table 5 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Comparison of Financial and Encounter Data	
Percent by which Financial Data exceeds Encounter spend	
IP / OP / Phys / Dental / Other Services	0.68%
Pharmacy Services	0.07%
All Services	0.54%

Given how closely the encounter data reconciles to the financial data submitted by the CCOs, we are not making a financial to encounter adjustment for CY 2021. As an additional source of verification for the encounter data we reviewed the cash disbursement journal (CDJ) summaries provided by DOM and were able to validate that the encounter data ties very closely (within 0.5%) to the amounts reported by the CCOs in the CDJ summary reports for similar time periods. Since the CDJ summary reports are on a paid basis (rather than an incurred basis) they do not line up exactly with the time periods we use for rate setting, and therefore we reviewed reports from Q4 2020 through Q1 2022.

Encounter data for all three CCOs is combined to summarize CY 2021 claim experience for MississippiCAN enrollees. Row (b) of Exhibit 1 includes the CY 2021 total service costs from the encounter data. Row (c) converts the total service costs to a PMPM basis.

All experience used to develop the base period data for the SFY 2024 capitation rates is on a net basis, excluding any member cost sharing, which is collected by one CCO for pharmacy services beginning January 1, 2020.

The financial reporting expenditures for all CCOs were combined to perform the encounter validation outlined above, as well as to develop the following adjustments to apply to the encounter data:

- Repricing of frozen pharmacy claims starting July 1, 2021
- Removal of costs that would be paid or recouped through a third-party
- Removal of pharmacy rebates collected by the CCOs
- Addition of claims paid by the CCOs that are not yet reflected in the encounter system

Pharmacy Rate Freeze Repricing

SB2799 stipulated that all changes in reimbursement for any service after July 1, 2021 required legislative notification. Consequently, DOM froze the unit cost for pharmacy products at the July 1, 2021 level. After receiving notice that CMS did not approve the state plan amendment (SPA) freezing pharmacy reimbursement, DOM unfroze unit costs for pharmacy claims beginning July 1, 2021. CCOs that had implemented the rate freeze were required to reprocess pharmacy claims at the unfrozen unit cost. We adjusted the CY 2021 encounter data to reflect reprocessing of these claims which occurred after the runout period for our base data. The pharmacy claims reprocessing increased CY 2021 MississippiCAN service costs by approximately 0.1%.

The adjustment to reprice affected pharmacy claims after July 1, 2021 is shown in Exhibit 1 in row (d).

Non-Covered Services

We excluded the value of expanded services exceeding CY 2021 service limits from the base data. These services, which totaled approximately 0.5% of CY 2021 MississippiCAN service costs, were removed from CY 2021 base data at the rate cell level of detail. Service limits do not apply up to age 21, thus, base period costs were not adjusted for these members.

Milliman summarized the costs of services exceeding limits in the encounter data using the definitions provided by DOM, as detailed in Appendix B.

The adjustment to remove non-covered services in CY 2021 is shown in Exhibit 1 in row (e).

Third-Party Liability (TPL) Recoveries

The CCOs provided Milliman with a summary of recoveries for TPL payments related to claims incurred in CY 2021 and recovered through April 2022. Using CY 2018 and CY 2019 data, Milliman calculated the portion of total CY 2018 and CY 2019 recoveries recovered after the end of each year. We used this information to estimate the final claim recoveries for services incurred in CY 2021, but not yet reflected in the CY 2021 base data. DOM assumes these outstanding TPL recoveries will reduce ultimate CY 2021 paid totals.

We removed the total TPL amounts as a percentage of total paid claims across all rate cells and categories of service from the CY 2021 base data. Across all rate cells, these TPL recoveries amounted to a 0.1% reduction to CY 2021 base data. We do not have information to apply this estimate at either a rate cell or category of service level and therefore apply a uniform adjustment for the estimate of TPL recoveries.

This adjustment is shown in Exhibit 1 in row (f).

IMD (Institution for Mental Disease) Stays Beyond 15 Days

Per CMS regulations, services rendered at an IMD beyond 15 days in a given month for individuals aged 21 to 64 cannot be covered by Medicaid. CMS requires all claims (not just IMD claims) incurred by members and the enrollment records for those same months be removed from base data for the month with the IMD stay exceeding 15 days. The enrollment shown in row (a) of Exhibit 1 is after the removal of these 56 member months. An additional adjustment was made to remove all claims for these members in the impacted months, which totaled approximately \$715,000, from the CY 2021 encounter data.

This adjustment is shown in Exhibit 1 in row (g).

IMD Unit Cost Adjustment

Some IMD stays for 15 days or fewer for individuals aged 21 to 64 will be covered under MississippiCAN. We adjusted the unit cost for similar claims in the CY 2021 experience to use DOM's fee schedule for these services. These unit cost adjustments resulted in a cost increase of approximately \$10,000 in total.

This adjustment is shown in Exhibit 1 in row (h).

SSI Children Formerly Moved to FFS Due to PRTF Stay

Beginning in October 2018, DOM moved certain SSI children from COE 001 to COE 005, which is not a MississippiCAN covered population, due to a psychiatric residential treatment facility (PRTF) stay. In SFY 2024, these members will remain in COE 001 during their PRTF stay, and MississippiCAN CCOs will be responsible for expenses incurred during these stays.

DOM provided membership extracts for managed care members assigned to COE 005 during CY 2021 as a result of a PRTF stay. We queried our detailed claims and enrollment data and found 84 members totaling 405 member months that were moved to COE 005. The enrollment shown in row (a) of Exhibit 1 reflects the inclusion of these member months. An additional adjustment was made to add claims for these members in the impacted months to the Non-Newborn SSI / Disabled rate cell, which totaled approximately \$5,300,000, from the CY 2021 FFS data.

This adjustment is shown in Exhibit 1 in row (i).

MYPAC Member Identification Adjustment

Beginning in July 2021, the assignment of the "SED" lock-in flag was applied inconsistently for some members. The lock-in flag is the primary means of identifying members in the MYPAC rate cell, and as such, using our current rate cell methodology, as outlined in Appendix A, some members were not assigned to the MYPAC rate cell and instead assigned to other children rate cells. The CCOs provided membership extracts for members utilizing MYPAC services and we queried our enrollment records to reassign affected members. We reassigned membership and corresponding claims amounts for 141 member months totaling approximately \$340,000 from other children rate cells to the MYPAC rate cell.

The member months shown in row (a) of Exhibit 1 reflects the reassignment of these member months.

The adjustment to reassign the costs between rate cells is shown in Exhibit 1 in row (j).

Drug Services Rebate Adjustment

An adjustment was made to pharmacy claims to reflect the average rebate collected by the CCOs in CY 2021 and not reflected in the encounter data. Rebate costs were summarized by rate cell from the financial reporting. These rebates were then converted to a percentage of base period pharmacy costs and applied as a reduction to base period encounter pharmacy claims data at the regional level.

This adjustment is shown in Exhibit 1 in row (k).

Missing Data Adjustment

A separate adjustment was made to account for payments made by the CCOs that are not yet submitted to the encounter system or cannot be reasonably applied to a specific claim (e.g., provider bonuses or settlements). These claim amounts are not included in the detailed encounter data after the processing outlined in Appendix B.

Each CCO provided separate financial reporting to support and validate the amounts reported for claims not appearing in encounters. The detailed financial reporting provided by the CCOs included splits by region and rate cell, which were used to allocate missing data on Exhibit 1.

Overall, the base data is increased 1.0% on a PMPM basis for missing data.

The aggregate adjustment for all missing data described above is shown in Exhibit 1 in row (l).

IBNR Adjustment

The adjustment for IBNR claims as of April 30, 2022 uses the best estimate IBNR claims provided by each of the CCOs in their financial reporting. We performed the following high-level reasonability checks to validate these estimates:

- Data, including IBNR estimates, was reported on a quarterly basis by each CCO. We reviewed the reported IBNR by quarter to determine that there was a reasonable pattern throughout the year (i.e., IBNR amounts held for Q1 2021 were significantly lower than Q4 2021).
- IBNR estimates among the CCOs were reviewed to validate that they were approximately the same as a percentage of total claims, where appropriate.
- IBNR estimates by category of service are approximately the same as a percentage of total claims as IBNR adjustments applied to the MississippiCAN data in prior years after accounting for differences in runout period between years.

Overall, the base data increased by 1.2% on a PMPM basis for IBNR claims.

This adjustment is shown in Exhibit 1 in row (m).

Adjusted CY 2021 PMPM Costs

Total 2021 base period PMPM costs by rate cell are shown in the final row of Exhibit 1.

IV. PROJECTED SFY 2024 CAPITATION RATES

Many adjustments must be applied to the base period data to develop SFY 2024 capitation rates. This section describes the adjustments applied to the base period data described in Section III to develop SFY 2024 capitation rates. These adjustments are applied in nine steps:

1. Trend costs from base period to SFY 2024.
2. Apply adjustments for population, program, and reimbursement methodology changes.
3. Combine non-delivery costs and delivery costs for applicable rate cells.
4. Include an allowance for CCO non-service expenses.
5. Adjust rates to reflect differences in geographic area by rate cell.
6. Apply quality withhold.
7. Adjust for CCO specific risk scores (if applicable).
8. Retrospectively adjust for directed payments.
9. Calculate risk corridor settlements.

Step 1: Trend Costs from Base Period to SFY 2024

Starting with the blended base data developed in Section III, we apply trend adjustments to project the base period to SFY 2024. Below, we describe each trend adjustment shown on Exhibit 2A. The adjustments for non-pharmacy and pharmacy services are developed using differing methodologies and therefore described separately in this section.

Non-Pharmacy Trend Overview

Our general approach to trend development for non-pharmacy categories of service is to consider known recent changes in provider reimbursement, along with historical PMPM trend values. We then develop utilization / service mix trends that produce targeted PMPM trends. We utilize this approach because it is frequently difficult to directly measure changes in utilization for services other than inpatient hospital and pharmacy over time due to differences in counting utilization “units.”

Exhibits 7A to 7E include a historical trend summary of PMPM costs from January 2017 through December 2021 for each high-level population type and in total for the MississippiCAN program. This data has been normalized for the following to put it on a consistent basis across time:

- IBNR from the financial templates was added to the encounter data to review PMPM trends on a completed basis.
- Estimates of the impact of the following material program or reimbursement changes were removed for the applicable time periods. These changes are accounted for in separate adjustments in this report, and therefore, should not be included in data analyzed for trends.
 - Removal of Zolgensma claims
 - 5% assessment removal for OPPS services
 - Implementation of 5% assessment on non-OPPS services
 - OPPS reimbursement changes not related to the 5% assessment
 - PAD reimbursement changes
 - PDL changes
 - AAC pharmacy reimbursement changes
 - PRTF services
 - OP dental reimbursement change
 - GME carve out
 - NET reimbursement adjustment
 - Provider settlements
 - Financial to encounter adjustments
 - Emergency ambulance reimbursement increases
 - Pharmacy rate freezes

- PMPMs at a rate cell level were aggregated using December 2021 membership into higher level population groupings and MississippiCAN in total. This removes the impact of membership mix changes across rate cells over time on the aggregate PMPMs.
- No adjustments were made to account for population acuity changes over time.

As shown in Table 6, the annualized PMPM trends on a normalized basis for the MississippiCAN program averaged 3.9% from CY 2017 to CY 2019 prior to the beginning of the COVID-19 pandemic. Exhibits 7A through 7E show additional detail for the MississippiCAN program as a whole and each individual population grouping.

Table 6 Mississippi Division of Medicaid MississippiCAN Capitation Rates MississippiCAN Annualized PMPM Trends January 2017 to December 2019		
Category of Service	CY 2017 to CY 2018	CY 2018 to CY 2019
Inpatient Hospital	4.2%	5.6%
Outpatient Hospital	1.9%	3.3%
Physician	3.8%	7.1%
Dental	-7.1%	-1.2%
Other	3.3%	7.0%
Non-Pharmacy Total	2.6%	5.2%

Tables 7 and 8 below show the utilization and unit cost trends assumed in SFY 2024 capitation rates. For the MYPAC rate cell, utilization and unit cost trends for physician services are dampened relative to the trends shown for other children rate cells to reflect the high proportion of physician services obtained through the MYPAC providers, for which flat utilization and unit cost trends were assumed.

Table 7 Mississippi Division of Medicaid MississippiCAN Capitation Rates CY 2021 to SFY 2024 Unit Cost Trends (Annualized)					
Rate Cell	Category of Service				
	Inpatient Hospital	Outpatient Hospital	Physician	Dental	Other
Non-Newborn SSI / Disabled	-1.8%	1.6%	2.4%	0.5%	2.6%
Breast and Cervical Cancer	-1.8%	1.5%	2.1%	0.0%	2.1%
MA Adult	1.5%	2.1%	2.8%	0.0%	2.3%
Deliveries - MA Adult	1.5%	2.1%	2.8%	0.0%	2.3%
Pregnant Women	1.5%	2.1%	2.8%	0.0%	2.3%
Deliveries - Pregnant Women	1.5%	2.1%	2.8%	0.0%	2.3%
SSI / Disabled Newborn	3.3%	2.7%	1.0%	0.0%	3.1%
Non-SSI Newborns 0 to 2 Months	3.3%	2.6%	0.8%	0.0%	1.9%
Non-SSI Newborns 3 to 12 Months	-1.0%	2.5%	2.9%	0.0%	1.8%
Foster Care	5.4%	2.7%	2.7%	0.8%	2.5%
MYPAC	1.2%	2.6%	2.0%	1.0%	1.3%
MA Children	1.3%	2.6%	2.8%	0.8%	1.4%
Quasi-CHIP	1.1%	2.6%	2.8%	1.1%	1.3%

Table 8
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
CY 2021 to SFY 2024 Utilization Trends (Annualized)

Rate Cell	Category of Service				
	Inpatient Hospital	Outpatient Hospital	Physician	Dental	Other
Non-Newborn SSI / Disabled	3.0%	4.0%	5.0%	0.0%	5.0%
Breast and Cervical Cancer	3.0%	4.0%	5.0%	0.0%	5.0%
MA Adult	3.0%	3.0%	3.0%	0.0%	3.0%
Deliveries - MA Adult	3.0%	3.0%	3.0%	0.0%	3.0%
Pregnant Women	5.0%	5.0%	6.0%	0.0%	6.0%
Deliveries - Pregnant Women	3.0%	3.0%	3.0%	0.0%	3.0%
SSI / Disabled Newborn	0.0%	3.0%	4.0%	0.0%	4.0%
Non-SSI Newborns 0 to 2 Months	0.0%	3.0%	4.0%	0.0%	4.0%
Non-SSI Newborns 3 to 12 Months	0.0%	3.0%	4.0%	0.0%	4.0%
Foster Care	3.0%	3.0%	4.0%	0.0%	4.0%
MYPAC	3.0%	3.0%	0.2%	0.0%	4.0%
MA Children	3.0%	3.0%	4.0%	0.0%	4.0%
Quasi-CHIP	3.0%	3.0%	4.0%	0.0%	4.0%

The development of the trend assumptions in Tables 7 and 8 is described below.

Utilization Trend for Non-Pharmacy Costs

Utilization trend reflects expected changes in:

- Demand for medical services
- Intensity or mix of medical services
- Provider practice patterns
- Provider coding changes

The following data sources were used to develop the utilization trend assumptions:

- Historical pre-pandemic MississippiCAN specific trends as shown above in Table 6 and in Exhibits 7A through 7E.
- Emerging Q1 and Q2 2022 experience as reported by the CCOs to understand recent claim trend pattern by population. We adjusted the emerging experience for the following:
 - Acuity changes between Q1 and Q2 2022 and the final acuity observed in June 2022 (and ultimately projected for SFY 2024) for the MA Adult, MA Children, and Quasi-CHIP rate cells.
 - Reimbursement changes effective July 1, 2022 and projected reimbursement changes effective July 1, 2023 were applied to put reimbursement on a SFY 2024 basis.
- Experience from similar programs in other states.

Table 9 below shows the adjusted Q1 and Q2 2022 PMPM for the largest population groups, as reported by the CCOs in their emerging 2022 financial template data. As described above, this data was adjusted to reflect the expected acuity of the population currently enrolled (as of June 2022) and adjusted to be on a SFY 2024 reimbursement basis. To help assess the reasonability of the trend assumptions selected above we compared the adjusted Q1 and Q2 2022 PMPM costs for the largest populations to the projected service costs in SFY 2024. The results are summarized below in Table 9.

Table 9 Mississippi Division of Medicaid CY 2022 Emerging Experience					
Rate Cell	Q1 2022 PMPM¹	Q2 2022 PMPM¹	SFY 2024 PMPM²	Implied Trend From Q1 2022	Implied Trend From Q2 2022
Non-Newborn SSI / Disabled	\$1,012.95	\$1,045.32	\$1,101.63	4.6%	3.3%
MA Adult	\$460.99	\$486.02	\$503.69	4.8%	2.2%
MA Children / Quasi-CHIP	\$191.27	\$184.54	\$200.82	2.6%	5.3%

¹ Adjusted for acuity, reimbursement, and program changes.

² Adjusted to remove high-cost gene therapy cost and the PHE unwind acuity impact.

The adjustment resulting from these utilization trends is shown in Exhibit 2A in row (b).

Unit Charge Trends for Non-Pharmacy Costs

The hospital inpatient, hospital outpatient, physician, and dental Medicaid FFS fee schedules are updated each year consistent with the following sources. DOM does not mandate provider reimbursement levels other than to require that reimbursement be at least as great as FFS for network providers. We assume that CCO reimbursement levels will move in tandem with changes to FFS reimbursement. Pursuant to SB2799 that was passed into Mississippi law on April 19, 2021, changes in reimbursement after July 1, 2021 will require legislative notification. HB657 was subsequently signed into law on April 19, 2022, allowing for changes in reimbursement rates as long as the payment methodology remains consistent. Based on direction from DOM we are modeling fee schedule changes for each service category as noted below. Coverage for new codes and prohibition for billing on discontinued codes is allowed. We assumed the net impact of these latter two issues will be budget neutral but will reevaluate once data is available and adjust capitation rates if needed. Unless otherwise noted, the fee schedule changes for prior years remained unchanged.

- **Inpatient:** DOM reimburses hospital inpatient claims using an APR-DRG methodology based upon the 3M grouper, which was updated on July 1, 2023. Conduent simulated reimbursement using the SFY 2024 reimbursement rates and CY 2021 inpatient experience data for the MississippiCAN program. As in prior years, we rely on these simulations to estimate unit charge trends for inpatient services.

The impacts of the July 1, 2023 reimbursement changes for inpatient services varied materially by rate cell. Table 10 shows the assumed annualized inpatient charge trends from CY 2021 to SFY 2024 by rate cell grouping. While we typically use similar assumptions for the newborn and other children's populations, we use separate inpatient unit cost trends for this release due to the large material differences shown in Conduent's simulations. This is driven by larger changes in the policy adjustors for normal newborn and neonatal services between the base period year (CY 2021) and SFY 2024.

Table 10 Mississippi Division of Medicaid Inpatient Unit Cost Trends for CY 2021 to SFY 2024	
Population	Inpatient
SSI	-1.83%
Adult	1.54%
Newborn ¹	3.34%
Children ²	-1.04%

¹ Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.

² Children include all other children rate cells.

PRTFs are not paid using the APR-DRG methodology and instead rely on a separate fee schedule with per diem payment rates for each facility. To calculate the impact of payment rate changes between the base period and SFY 2024 we applied the increased payment rates for each facility to the applicable time periods. Please see Exhibit 14 for more information about the percentage of base period data impacted and the annualized trend applied as a result of these fee schedule updates.

- **Outpatient:** DOM reimburses hospital outpatient claims using the Medicare APC methodology updated on July 1 of each year. For these services, consistent with SB2799, DOM implemented no changes to reimbursement rates on July 1, 2021 or July 1, 2022. However, fees are being updated for July 1, 2023. Conduent performed a simulation of the OPPTS payment changes effective July 1, 2023, which we relied on for the impact to capitation rates for the SFY 2024 time period. Not all services included in our outpatient service category are billed using the OPPTS payment methodology and therefore we dampened the impact of the OPPTS reimbursement changes to apply to applicable services only.

Fee schedule changes for home health, behavioral health, and some ambulatory surgical center (ASC) services are also included in the outpatient service category. Table 11 shows the assumed annualized outpatient charge trends from CY 2021 to SFY 2024 by rate cell grouping. Similar to the process described above for PRTF, fee schedule changes for these services are reflected as a charge trend calculated by comparing the fee schedules in place during the base period and projection periods, weighted by the applicable procedure codes. Please see Exhibit 14 for more information about the percentage of base period data impacted and the annualized trend applied as a result of these fee schedule updates.

Table 11 Mississippi Division of Medicaid Outpatient Unit Cost Trends for CY 2021 to SFY 2024	
Population	Outpatient
SSI	1.38%
Adult	2.04%
Newborn ¹	2.54%
Children ²	2.54%

¹ Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.

² Children include all other children rate cells.

- **Physician:** DOM generally reimburses physician services as a percentage of Mississippi Medicare fee schedules and updates the FFS fee schedules on July 1 of each year for the Medicare fee schedule changes from January 1 of the given year. For these services, consistent with SB2799, DOM implemented no change to reimbursement rates on July 1, 2021, but unfroze these fee schedules effective July 1, 2022.

Conduent performed a simulation of the impact of changes in the payment methodologies effective July 1, 2022 and July 1, 2023. Based on this analysis comparing projected SFY 2024 costs to CY 2021 costs, we included unit cost trends ranging from approximately 0.8% to 2.8% by rate cell to physician services for the applicable services included in Conduent's simulation. The majority of these increases are associated with evaluation and management codes, which received a large increase in the 2021 Medicare fee schedule. It is our understanding that Conduent's simulations included laboratory, physician (medical and surgical), radiology, and vaccine services, and excluded any services not listed above and those that were not anticipated to have a fee change between CY 2021 and SFY 2024.

The per-encounter FQHC and RHC reimbursement is included in the MississippiCAN capitation rates to provide a steadier cash flow to the RHCs and FQHCs that serve the MississippiCAN population. The CCOs are expected to reimburse FQHCs and RHCs at DOM's per-encounter rates. DOM will monitor the utilization of services at FQHCs and RHCs under MississippiCAN to ensure services are not diverted from FQHCs and RHCs to other providers. Approximately 12% of costs in the high-level physician category of service are for FQHCs and RHCs. A 2.1% and 3.8% rate increase was implemented on FQHC and RHC per-encounter rates effective January 1, 2022 and January 1, 2023, respectively. We assumed the per-encounter rates effective January 1, 2024 will be 2.9%, based on the average increase from the prior two years.

We assumed that reimbursement for all other services remains flat from CY 2021 to SFY 2024.

Table 12 below shows the combined physician unit cost trends incorporating the Conduent simulated changes, flat unit cost trends for services with no anticipated changes, and the appropriate trends for FQHC and RHC services.

Table 12 Mississippi Division of Medicaid Physician Unit Cost Trends for CY 2021 to SFY 2024	
Population	Physician
SSI	2.05%
Adult	2.83%
Newborn ¹	0.78%
Children ²	2.90%

¹Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.

²Children include all other children rate cells.

In addition to the physician unit costs trends included in Table 12, fee schedule changes for autism spectrum disorder (ASD), prescribed pediatric extended care (PPEC), MYPAC, behavioral health, and some ASC services are also included in the physician service category. These charge trends were calculated by comparing the CY 2021 payment rates with those currently expected to be in place during SFY 2024, composited based on the mix of services during CY 2021. See Exhibit 14 for additional details regarding the base period costs and applied trend.

- **Dental:** Dental reimbursement changes due to SB2799 and HB657 are incorporated as a separate adjustment to rates. Additionally, fee schedule increases for orthodontia services are included in the dental service category. These fee schedule changes include a 10% increase effective October 1, 2023 for certain orthodontia services.
- **Other:** Some fee schedules remain frozen, and thus no changes were implemented to the fee schedules between CY 2021 and SFY 2024 except for the services noted below:
 - Durable Medical Equipment (DME) / Medical Supplies
 - Ambulance
 - Private Duty Nursing (PDN)
 - PPEC
 - Behavioral health services

Conduent performed a simulation of the impact of changes in the fee schedules effective July 1, 2022 and July 1, 2023. Based on this analysis comparing projected SFY 2024 costs to CY 2021 costs, we included unit cost trends ranging from approximately 1.2% to 2.3% by rate cell to other services for the applicable services included in Conduent's simulation. Conduent's simulation included DME, medical supplies, and ambulance services, and excluded any services that were not anticipated to have a fee change between CY 2021 and SFY 2024.

To calculate the impact of the PDN, PPEC, and behavioral health fee schedule changes we calculated the average change for each service type based on the Medicaid FFS payment rates and applied that to the total CCO payments, assuming that CCO payments increase by a proportional amount.

Row (c) in Exhibit 2A includes the aggregate unit cost adjustment factors from CY 2021 to SFY 2024.

Prescription Drug Trends

We developed pharmacy trends using the following sources:

- **MississippiCAN-Specific Data** – We analyzed January 2021 to December 2021 pharmacy experience for the eligible population and developed utilization and cost summaries by specialty and traditional (i.e., non-specialty) drug types, for the 22 top specialty therapeutic classes and 26 top traditional therapeutic classes. We developed cost projections to SFY 2024 from CY 2021 experience.

Considerations were made when reviewing prescription drug experience for the estimated impacts of changes in annual updates to the state's uniform PDL.

- **Industry Research** – We reviewed recent drug trend reports from PBMs to benchmark the prospective list price and utilization trends used in our detailed modeling of MississippiCAN-specific data. Additionally, we conducted industry research to adjust trends for anticipated market events, including but not limited to, novel pipeline drug launches, patent loss / major generic launches, expanded treatable population for approved drugs (e.g., new indication or age expansion), changes in standard of care (e.g., major clinical guideline updates), drug mix in MississippiCAN pharmacy experience, and the state's uniform PDL status and anticipated updates.
- **FDA Drug Approvals** – When developing prospective drug trends, we consider the FDA approval of various new therapies. Some of the therapies we expect to have higher frequency and / or cost include:
 - Adbry™
 - Apretude®
 - Auvelity®
 - Briumvi™
 - Cabenuva®
 - Cibinqo™
 - Dupixent® (label expansion)
 - Jaypirca®
 - Krazati®
 - Mounjaro®
 - Olumiant® (label expansion)
 - Orserdu®
 - Rinvoq® (label expansion)
 - Skyrizi® (label expansion)
 - Sotyktu®
 - Tezspire®
 - Tzield™
 - Vtama®

However, building explicit additional trend into capitation rates for these products is difficult due to a lack of information on expected pricing and uptake among the various populations. Therefore, we build in modest additional trend to reflect the expansion of new approvals for each population. We note, the historical experience reviewed in trend development also reflects the impact of FDA approvals that were new during those periods. For select high-cost pharmaceuticals we build explicit adjustments into the capitation rates, as outlined in Step 2, rather than incorporating into the pharmacy trend assumption.

Based on our analyses, we estimate annualized utilization and unit cost trends from CY 2021 to SFY 2024 shown in Table 13. Difference in aggregate trends by population in Table 13 are due to each population's mix of brand and generic products. The utilization trends shown in Table 15 include the indirect impact of the change in mix of products due to pure utilization trends.

Table 13 Mississippi Division of Medicaid Pharmacy Trends for CY 2021 to SFY 2024				
	SSI	Adult	Children	Delivery
Annualized Unit Cost Trends	4.00%	4.00%	2.50%	4.00%
Annualized Utilization Trends	1.00%	1.00%	1.00%	1.00%

Additional information on the development of utilization and unit cost trends are summarized below. Exhibits 8A through 8B show the CY 2021 experience and prospective utilization and unit cost trends applied by therapeutic class at a traditional and specialty level.

Unit Cost Trends

The cost per script trends are based on an analysis of historical MississippiCAN data from January 2021 through December 2021 and Milliman Industry Research, as noted above.

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Table 14 Mississippi Division of Medicaid Annualized Prospective Unit Cost Pharmacy Trends				
	SSI	Adult	Children	Delivery
Traditional	3.50%	3.12%	-0.64%	3.12%
Specialty	2.98%	3.36%	4.04%	3.36%

Utilization Trends

Similar to the unit cost trends, are based on an analysis of historical MississippiCAN data from January 2021 through December 2021 and Milliman Industry Research, as noted above.

Table 15 Mississippi Division of Medicaid Annualized Prospective Utilization Pharmacy Trends				
Generic	SSI	Adult	Children	Delivery
Traditional	0.95%	1.01%	1.01%	1.00%
Specialty	2.81%	2.56%	5.32%	1.00%

Seasonal Virus Trend Adjustment

As the COVID-19 global pandemic evolves, we continue to monitor COVID-19 costs associated with testing, treatment, and vaccinations. In addition, we monitor costs associated with other seasonal viruses, including influenza and respiratory syncytial virus (RSV). We queried historic MississippiCAN costs associated with COVID-19, influenza, and RSV and compared them to expectations about seasonal viral loads in SFY 2024. The expected SFY 2024 influenza and RSV costs were projected using historical costs observed in CY 2018 and CY 2019 for each population. The expected SFY 2024 COVID-19 costs were projected based on CY 2021 observed costs by population removing any large spikes corresponding with emerging COVID-19 variants to approximate costs in a “steady-state” COVID-19 environment. The adjustments calculated and applied by population as shown below in Table 16 and scaled across category of service based on the historical cost distribution. See Exhibit 15 for further information on the development of the seasonal virus trend adjustment.

Table 16 Mississippi Division of Medicaid Seasonal Virus Trend Adjustment				
	SSI	Newborns	Children	Adults
CY 2021 Cost	\$30.39	\$41.85	\$8.85	\$21.02
SFY 2024 Cost	\$18.87	\$40.07	\$9.25	\$12.72
Adjustment	-\$11.52	-\$1.78	\$0.40	-\$8.30

Row (d) in Exhibit 2A shows the adjustment for seasonal viruses.

Step 2: Apply Adjustments for Population, Program, and Reimbursement Methodology Changes

The following adjustments are applied to reflect changes in expected costs due to changes between the base period and rating period.

- Population Changes: Change in the mix of individuals already enrolled in MississippiCAN
- Program Changes: Changes to populations and / or services included in MississippiCAN
- Reimbursement Methodology Changes: Updates to Medicaid FFS reimbursement methodologies (assumes a parallel impact on MississippiCAN reimbursement), or changes in CCO reimbursement

Exhibit 12 summarizes the program, population, and reimbursement changes discussed in this section, the impacted rate cells for each change, and where the change is reflected in the rate development.

Shift to FFS Population Acuity Adjustment

Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from CCOs into FFS Medicaid. We categorized all members enrolled in MississippiCAN during CY 2021 into one of two groups depending on their enrollment status as of June 2022:

1. Members that transitioned into FFS Medicaid and did not return to MississippiCAN.
2. All other members enrolled in MississippiCAN.

To develop an acuity adjustment for CY 2021, we compared the CY 2021 PMPM medical costs for this second group of members to the CY 2021 PMPM medical costs for the actual population present in MississippiCAN during the CY 2021 base period. We developed acuity factors by category of service for the rate cell groupings listed below:

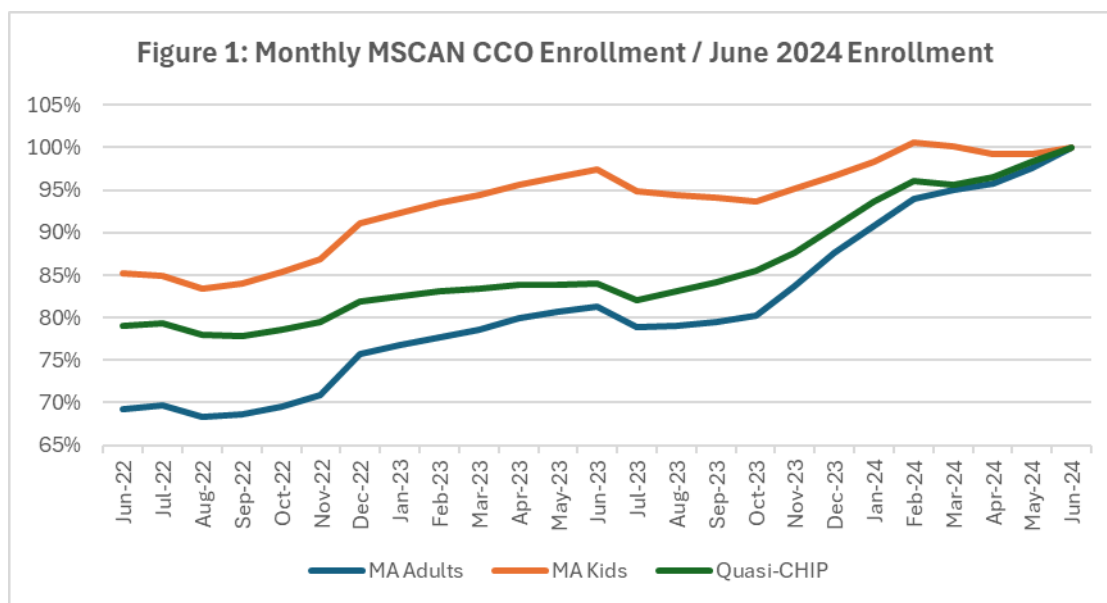
- MA Adults (including delivery and non-delivery costs).
- MA Children and Quasi-CHIP.

Row (e) in Exhibit 2A shows the adjustment for the population acuity adjustment.

PHE Unwind Population Acuity Adjustment

As mentioned above, the CAA states that the CCR, which was previously tied to the federal public health emergency (PHE), will end on March 31, 2023. DOM began disenrolling Mississippi Medicaid recipients who are no longer eligible in July 2023.

During the redetermination process, beneficiaries that had initially been moved from the CCOs into FFS and maintained Medicaid eligibility were moved back into MississippiCAN, resulting in steady CCO enrollment increases throughout CY 2023 and into CY 2024. Figure 1 shows this change in monthly enrollment compared to the enrollment in June 2024 for each rate cell (e.g., a ratio of 90% indicates that month's enrollment is 10% lower than the June 2024 enrollment).



To estimate the change in acuity due to population changes between June 2022 and SFY 2024, we performed a risk score-based acuity analysis. We calculated risk scores for two distinct time frames:

1. June 2022 (CY 2021 diagnoses and June 2022 enrollment).
2. SFY 2024 (CY 2023 diagnoses and SFY 2024 actual enrollment).

Due to population and programmatic changes occurring in MississippiCAN since we last calculated Mississippi-specific risk scores, we did not use the custom Mississippi risk weights that have been used for risk adjustment in prior capitation rate periods. Instead, we relied on standard CDPS weights from the CDPS + Rx risk score model. We excluded pharmacy claims from the risk score model, due to issues with the pharmacy encounter data during CY 2023. Given the large changes in membership between June 2022 and SFY 2024, we only looked at members that were able to be “scored,” meaning they had at least six months of enrollment during the diagnosis period.

To calculate the acuity adjustments, we compared the average risk scores for SFY 2024 enrollment compared to the average risk score in June 2022 for each population. To enhance credibility for the Quasi-CHIP population the results were combined for MA Children and Quasi-CHIP. The final acuity adjustments applied are a downward adjustment of 1.3% for MA Adults and an upward adjustment of 2.3% for MA Children and Quasi-CHIP, as shown in Table 17.

Table 17 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Population Acuity Adjustment						
Cap Cell	June 2022 - Scored Members		SFY 2024 - Scored Members		Risk Score Change	Final Acuity Adjustment
	Member Months	Average Risk Score	Member Months	Average Risk Score		
MA Adult	32,496	1.058	540,489	1.044	0.987	0.987
Children	222,276	0.968	3,108,891	0.991	1.023	1.023

Additional information about the risk scores for members enrolled in MississippiCAN during June 2022 and SFY 2024, including additional splits for various time periods are shown in Tables 18 (MA Adult) and 19 (MississippiCAN children) below.

For SFY 2024 MississippiCAN scored members, we reviewed the risk scores separately by quarter to assess the impact on risk scores of ongoing member eligibility redeterminations during SFY 2024 related to the unwinding of the PHE.

Table 18 Mississippi Division of Medicaid Acuity Adjustment - MA Adult					
Risk Scores in June 2022 Compared to SFY 2024					
	June 2022	Jul-Sep 2023	Oct-Dec 2023	Jan-Mar 2024	Apr-Jun 2024
Scored Member Months	32,496	123,625	129,655	141,487	145,722
Average Monthly Enrollment	32,496	41,208	43,218	47,162	48,574
Risk Score	1.058	1.058	1.057	1.040	1.024

Table 19 Mississippi Division of Medicaid Acuity Adjustment - MA Children and Quasi-CHIP					
Risk Scores in June 2022 Compared to SFY 2024					
	June 2022	Jul-Sep 2023	Oct-Dec 2023	Jan-Mar 2024	Apr-Jun 2024
Scored Member Months	222,276	758,999	764,745	796,345	788,802
Average Monthly Enrollment	222,276	253,000	254,915	265,448	262,934
Risk Score	0.968	0.988	0.990	0.991	0.993

Row (f) in Exhibit 2A shows this adjustment.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Postpartum Coverage Extension

Per SB 2212, postpartum coverage extends from 60 days to 12 months effective July 1, 2023. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. Going forward this redetermination will not occur until the end of the 12 months of postpartum coverage. While this program change has the largest impact on the Pregnant Women rate cell, other rate cells are also expected to have minor increases in enrollment due to extending the time until eligibility redetermination to 12 months postpartum (i.e., if someone would have been disenrolled during their annual redetermination they now will remain for the additional months until 12 months postpartum). We reviewed the impact of the coverage extension on all rate cells in the MississippiCAN program and believe the PMPM impact is minimal and did not include an adjustment for any rate cell except for the Pregnant Women rate cell, given its unique eligibility requirements and historical enrollment patterns. The projected membership in Exhibit 3 includes the impact of extending postpartum coverage for all rate cells.

While this program change will add membership and service costs to the Pregnant Women rate cell, these additional months of coverage are expected to be lower on a PMPM basis than the costs included in the CY 2021 base data. We developed separate adjustments to apply to the non-delivery costs and delivery costs included in Exhibit 2A.

- **Non-Delivery Costs:** The estimated PMPM for months 3 through 12 postpartum was developed by reviewing the relativity of the PMPMs for postpartum months 1 and 2 compared to months 3 through 12 for individuals that had a delivery while in the MA Adult rate cell in the CY 2021 base data. We then applied this relativity to the PMPM cost for postpartum months 1 and 2 for the Pregnant Women rate cell in the CY 2021 base data.
- **Delivery Costs:** Additional delivery costs will not be incurred for the additional months of membership added to the Pregnant Women rate cell. Therefore, we dampen the delivery cost PMPM to spread across the increased membership basis.

Both the non-delivery and delivery costs are blended based on the expected proportion of existing covered months (prenatal through 60 days postpartum) and new costs (3 to 12 months postpartum). These percentages are based on enrollment ramp up projections given the timing of the coverage extension. Table 20 below demonstrates the development of the population change factors.

Table 20 Mississippi Division of Medicaid SFY 2024 Capitation Rate Development Pregnant Women Rate Cell Postpartum Extension Adjustment			
		Non-Delivery Costs	Delivery Costs
Prior Eligibility: Prenatal through 60 Days Postpartum			
(A)	Enrollment Percentage	51.7%	51.7%
(B)	CY 2021 Allowed PMPM	\$367.87	\$577.08
New Eligibility: 3 through 12 Months Postpartum			
(C)	Enrollment Percentage	48.3%	48.3%
(D)	Allowed PMPM	\$203.05	\$0.00
Total Population			
(E) = (A) * (B) + (C) * (D)	Allowed PMPM	\$288.26	\$298.33
(F) = (E) / (B)	Postpartum Population Change Factor	0.784	0.517

Row (g) in Exhibit 2A shows this adjustment.

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

[Hemophilia Population Carve-In](#)

Effective January 1, 2024, eligible members diagnosed with Hemophilia and Von Willebrand's disease will transition from FFS to MississippiCAN. Historically this population has been carved-out of MississippiCAN due to the relatively high-cost associated with treatment and the infrequent and non-uniform distribution across the CCOs. We utilized a DOM provided list of members who were moved to MississippiCAN as part of this change. We assigned eligible members to rate cells based on eligibility metrics, such as category of eligibility, age, dual-eligible status, and long-term care status. We then identified CY 2021 claims and enrollment for these members to calculate the PMPM adjustment for the population expansion.

Row (h) in Exhibit 2A shows this adjustment.

[Preferred Drug List \(PDL\) Revisions](#)

Updates are made to the state PDL annually and take effect on January 1 of each year. We estimated the impact of these changes using detailed modeling provided by Change Healthcare, who is contracted by DOM to regularly update and maintain the state PDL. In our reliance on the PDL modeling performed by Change Healthcare, we reviewed the output of the models for reasonableness, but did not audit their analyses.

The modeling provided by Change Healthcare included drug-level analyses of expected utilization shifts and resulting changes to pharmacy expenditures on a gross of rebate basis. This modeling uses data from both FFS and MississippiCAN populations, so we cannot directly use the output for rate development. Therefore, we applied the change in gross costs on a percentage basis by therapeutic class to MississippiCAN encounter data to develop program-specific impacts of PDL revisions. Separate PDL adjustments were developed for each population to account for the different mix of drugs used for each group.

Table 21 shows the estimated impact of PDL revisions. The full adjustment applied is a combination of the PDL changes from CY 2021 to SFY 2024.

Table 21 Mississippi Division of Medicaid PDL Adjustment		
Rate Cell Grouping	2021 to 2022	2022 to 2023
SSI	0.997	1.000
Adults	0.997	0.999
Children	0.979	0.995
Deliveries	1.000	0.999

PDL changes effective January 1, 2023, were minor and only impacted seven therapeutic classes. Table 22 displays all impacted classes and outlines the shifting assumptions modeled by Change Healthcare for each class.

Table 22
Mississippi Division of Medicaid
January 2023 PDL Adjustments

Therapeutic Class	Utilization Shifts To	Utilization Shifts From	Modeled Shift	Estimated Increase (Decrease) in Gross Costs	% of Total PDL Change
Antidiabetics-Insulin	Toujeo	Tresiba	25%	(0.4%)	10.3%
Contraceptives-Vaginal	Phexxi P	Phexxi NP	300%	200.0%	-0.7%
Growth Hormone Agents	Genotropin	Norditropin Nutropin	10% 10%	1.3%	-9.7%
Miscellaneous-Carbaglu	Carglumic Acid	Carbaglu	100%	(17.5%)	3.1%
Resp-Beta Agonist Inhalers	Proventil HFA Ventolin HFA	Proair HFA	100%	(7.9%)	31.2%
Resp-Steroid Inhalers	Fluticasone Salmeterol	Advair Diskus	50%	(6.7%)	81.5%
Urinary Antispasmodic Agents	Myrbetriq	Oxybutynin Chloride Solifenacin Succinate Darifenacin Gemtesa	5% 25% 50% 30%	73.7%	-15.8%

The shifting assumptions developed by Change Healthcare are meant to reflect the best estimate for how utilization will shift as certain products change preferred status effective January 1, 2023, recognizing that a full shift will not happen immediately. The estimated change in gross cost assumes the ultimate modeled shift shown in Table 22 is achieved two quarters after the PDL changes take effect, and therefore, the January 2023 PDL updates are applicable to all of SFY 2024.

The adjustment for PDL revisions is shown in row (i) of Exhibit 2A.

Obesity Drug Coverage

In SFY 2024, certain medications for the treatment of obesity are included in the PDL along with prior authorization requirements and monitoring for individuals that utilize these drugs. DOM's PDL vendor estimated an annual cost of about \$20 million across both FFS and MississippiCAN populations. After discussions with DOM, we allocated the estimated pharmacy cost across Medicaid programs and within MississippiCAN by rate cell using the distribution of CY 2021 enrollment. Pregnant members and those under the age of 12 were excluded based on the prescribing guidelines for these medications. Based on the membership allocation \$8.0 million was assigned to MississippiCAN. Row (j) in Exhibit 2A shows this adjustment.

Obesity Drug Coverage Savings

The medical savings impact of obesity treatments is difficult to predict and depends on factors, such as uptake prevalence, adherence, and pre-existing medical conditions. After discussions with DOM, we assumed 75% of the obesity medication cost will be offset by medical savings and allocated \$6.0 million in medical savings across all categories of service.

Row (k) in Exhibit 2A shows this adjustment.

Gene Therapy Coverage

There are several high-cost gene therapies that are currently available or will become available during SFY 2024. We worked closely with our clinical team and the clinical team at DOM to identify eligible members, potential treatment uptake percentages, and total costs for treatment for each gene therapy and each rate cell. Table 23 below details the assumptions and estimated SFY 2024 impact for each treatment. Additionally, please see Exhibits 17C and 17D for the full development of these amounts by rate cell.

Table 23
Mississippi Division of Medicaid
SFY 2024 Capitation Rate Development
Gene Therapy Estimates

Condition	Therapy	Number of Treatments	Pharmacy Cost per Treatment	Inpatient Cost per Treatment	Total Anticipated Treatment Cost
Beta-Thalassemia	Zynteglo	1	\$2,800,000	\$200,000	\$3,000,000
Duchene Muscular Dystrophy	Elevydis	1	\$3,200,000	\$0	\$3,200,000
Hemophilia A	Roctavian	3	\$2,500,000	\$0	\$7,500,000
Hemophilia B	Hemgenix	2	\$3,500,000	\$0	\$7,000,000
Sickle Cell Disease	Lovo-cel and Exa-cel	20	\$2,000,000	\$200,000	\$44,000,000
Spinal Muscular Atrophy	Zolgensma	3	\$2,254,412	\$0	\$6,763,236
Total		30	\$2,242,108	\$140,000	\$71,463,236

Row (l) in Exhibit 2A shows this adjustment.

Gene Therapy Coverage Savings

The gene therapies listed above are assumed to significantly reduce or eliminate symptoms of the underlying condition. We queried CY 2021 claims data for potential utilizers meeting the clinical profile for each gene therapy. We worked closely with our clinical team to determine which costs associated with the underlying condition are likely to be alleviated by the gene therapies listed in Table 23. Based on the number of potential utilizers, we were able to calculate assumed annual savings amounts for potential utilizers of these new treatments aimed to treat Hemophilia A, Hemophilia B, and sickle cell disease. We assumed a uniform distribution of uptake throughout SFY 2024, accounting for launch dates after July 1, 2023 when applicable, and applied the relevant portion of the annual savings in the adjustment. Table 24 below displays the assumed savings amounts.

Table 24
Mississippi Division of Medicaid
SFY 2024 Capitation Rate Development
Gene Therapy Savings Estimates

Condition	Therapy	Number of Treatments	Total Savings per Member	Total Anticipated Savings
Hemophilia A	Roctavian	3	\$207,033	\$621,099
Hemophilia B	Hemgenix	2	\$52,846	\$105,692
Sickle Cell Disease	Lovo-cel and Exa-cel	20	\$13,037	\$260,732
Total		25	\$39,501	\$987,522

Row (m) in Exhibit 2A shows this adjustment.

Insulin / Inhaler Price Reduction

Starting on January 1, 2024 the American Rescue Plan Act of 2021 removes the limit, or “cap,” on Medicaid drug rebates which are currently capped at the average manufacturer price (AMP). Several insulin and inhaler manufacturers have implemented price decreases related to the removal starting as early as Q3 2023, with most prices decreasing January 1, 2024. We pulled CY 2021 claims at the NDC level and repriced these claims at the announced new price accounting for the timing of each price reduction throughout SFY 2024. Please see Exhibit 19 for a list of impacted products and their price reduction.

Row (n) in Exhibit 2A shows this adjustment.

Removal of 5% Assessment

Per SB2799 that was passed into law on April 19, 2021, the 5% rate reduction previously established in Miss. Code Ann. § 43-13-117 (B) was removed from all providers. This exemption, effective July 1, 2021, results in an increase from a 95% payment rate to a 100% payment rate for those services previously eligible for the 5% assessment.

Exhibit 11 lists all services previously eligible for the 5% assessment. For each of these services not performed at a UMMC-affiliated provider (which had already been exempt from the 5% assessment), we re-priced the second half CY 2021 experience from the 95% payment rate to the 100% payment rate. The overall adjustments by category of service are shown in Table 25.

An adjustment of 1.000 in Table 25 indicates that no change in provider reimbursement between the base period data and rating period is expected as a result of implementing the removal of the 5% provider assessment, whereas an adjustment of 1.053 ($=1.000 / 0.950$) would indicate the removal of the 5% provider assessment is applicable to all services within the category of service.

Table 25 Mississippi Division of Medicaid 5% Assessment Removal Adjustment by Category of Service	
Category of Service	5% Assessment Adjustment
Inpatient Hospital Services	1.000
Outpatient Hospital Services	1.001
Physician Services	1.010
Drug Services	1.000
Dental Services	1.026
Other Services	1.021
Total	1.005

Community Mental Health Centers (CMHC) were originally subject to the 5% assessment, but ultimately were declared ineligible for the assessment. In our analysis, we repriced CMHC claims when necessary to the 100% payment rate based on the dates the 5% assessment was in effect provided by each CCO.

Additionally, the July 1, 2021 reimbursement increase for certain preventative and diagnostic dental services was capped at 5% of the prior payment rate, as described in the "Dental Reimbursement Change" section below. For these services, reimbursement was increased by 5% over the prior 95% payment rate to a new payment rate of 99.75% to comply with that requirement. Non-preventative and non-diagnostic dental services, along with all non-dental services, were increased from 95% to 100%.

The adjustment was calculated separately by rate cell, reflecting the mix of services and the applicability of the 5% provider assessment specific to the given population.

The removal of the 5% assessment is shown in row (o) in Exhibit 2A.

Preventative and Diagnostic Dental Reimbursement Change

Per SB2799 signed into law on April 19, 2021, DOM will increase the payment rate for preventative and diagnostic dental services by 5% effective July 1, 2021 and by an additional 5% effective on both July 1, 2022 and July 1, 2023.

- **July 1, 2021 Dental Reimbursement Increase** – For dental services identified as preventative or diagnostic (defined as procedure codes D0100 through D1999) to which the 5% assessment were also applicable, the adjustment was already applied in the "Removal of 5% Assessment" section above. DOM provided guidance around how these two initiatives would be implemented.

For those preventative or diagnostic dental services not impacted by the 5% assessment, we determined the percentage of the first half of CY 2021 dental spend identified as diagnostic or preventative within each rate cell. We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on the preventative and diagnostic services with a 0% reimbursement adjustment on other dental services.

- **July 1, 2022 and July 1, 2023 Dental Reimbursement Increases** – We determined the proportion of CY 2021 dental claims identified as preventative or diagnostic (defined as procedure codes D0100 through D1999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on preventative and diagnostic dental services with a 0% reimbursement adjustment on other dental services.

The cumulative preventive and diagnostic dental reimbursement change is shown in row (p) in Exhibit 2A.

Restorative Dental Reimbursement Change

Per HB657 signed into law on April 19, 2022, DOM will increase the payment rate for restorative dental services by 5% effective July 1, 2022 and an additional 5% on July 1, 2023. We determined the proportion of CY 2021 dental claims identified as restorative (defined as procedure codes D2000 through D2999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on the restorative services with a 0% reimbursement adjustment on other dental services, after adjusting for the preventative and diagnostic reimbursement changes discussed above.

The cumulative restorative dental reimbursement change is shown in row (q) in Exhibit 2A.

Immaterial Program, Population, and Reimbursement Methodology Changes

There are several program, population, and reimbursement changes between the base period experience and SFY 2023 that we did not build an explicit adjustment into rates for, given the projected budget neutral or immaterial impact. These changes are described below.

- ICORT Reimbursement changes – per Medicaid State Plan Amendment (SPA) 20-0022 for Community Mental Health Services, DOM is revising the service definition and reimbursement for Intensive Community Outreach and Recovery Teams (ICORT) services effective April 1, 2021. We reviewed the fiscal estimates of this change and determined that the impact on capitation rates is projected to be immaterial.
- MYPAC reimbursement changes – DOM historically reimbursed providers for children receiving MYPAC services as a single combined payment on a per diem basis. Per guidance from CMS, the wraparound services and other ancillary therapeutic mental health services must be reimbursed separately.

Effective July 1, 2021, the wraparound services were reimbursed through a single monthly payment to the MYPAC providers. The ancillary therapeutic mental health services were reimbursed through a separate per diem rate. Following discussions with the MYPAC providers, the Mississippi Department of Mental Health, and DOM, revised rates were developed and are anticipated to be effective November 1, 2023. The revised rates restructure the reimbursement of the ancillary therapeutic health services to be an hourly rate with a separate rate for additional time beyond the first hour. The wraparound services will still be provided as a single monthly payment.

Milliman estimates that these reimbursement changes will be budget neutral, and thus, are not including an adjustment for these reimbursement changes in capitation rates.

- Tobacco Cessation – effective July 1, 2023, coverage for smoking cessation counseling services was expanded to cover up to 12 sessions per year. It is estimated that the impact to capitation rates for this change is negligible, so no adjustment was applied.

Step 3: Incorporate Delivery Costs into MA Adult and Pregnant Women Rate Cells

Effective July 1, 2020, MississippiCAN no longer paid maternity deliveries using a kick payment methodology and instead included these costs in the MA Adult and Pregnant Women rate cells. To provide more transparency on this transition, we projected the costs historically covered by the delivery kick payment separately on Exhibits 1 and 2A. These costs are also shown separately for the MA Adult and Pregnant Women rate cells. Exhibit 2B combines the costs for these deliveries into the MA Adult or Pregnant Women rate cell, as appropriate.

Step 4: Non-Service Expense Allowance

Administrative Expenses, Premium Tax, and Targeted Margin

The administrative allowance included in the capitation rate is intended to cover administrative costs, including the following:

- Case management
- Utilization management
- Claim processing and other IT functions
- Customer service
- Provider contracting and credentialing
- TPL and program integrity
- Member grievances and appeals
- Financial and other program reporting
- Local overhead costs
- Corporate overhead and business functions (e.g., legal, executive, human resources)

Exhibit 3 shows the build-up of the non-service expenses, comprised of the following components for SFY 2024:

- \$11.17 PMPM for fixed administrative costs
- 5.11% of revenue less directed payments for variable administrative costs
- 1.80% of revenue less directed payments for target underwriting margin and cost of capital
- 3.00% for the Mississippi premium tax

Table 26 displays the non-service expense allowance included in the SFY 2024 rates. All percentages of revenue are shown excluding MHAP, MAPS, and TREAT revenue, which are ultimately not at risk to the CCOs.

Table 26 Mississippi Division of Medicaid SFY 2024 MississippiCAN Non-Benefit Expenses		
	% of Revenue	PMPM
Fixed Costs ¹	2.19%	\$11.17
Variable Costs ²	5.11%	\$26.07
Premium Tax ²	3.00%	\$15.30
Margin ²	1.80%	\$9.18
Total	12.10%	\$61.73
¹ Included in the rate as a PMPM, equivalent % of revenue shown.		
² Included in the rate as a % of Revenue, equivalent PMPM is shown.		

The administrative expense allowance for SFY 2024 was developed by trending the fixed and variable allowances from CY 2021 financial data provided by the CCOs, adjusted for the results of administrative expense audits by Myers and Stauffer. Administrative expenses were trended by an average 3.8% increase per year. The 3.8% annual trend is a blend of actual employment cost index (ECI) data from CY 2021 through CY 2022 and an assumed 3.0% annual trend from CY 2022 to SFY 2024. The future 3.0% trend assumption is consistent with the average ECI annual change from CY 2018 through CY 2021. The ECI data reflects expected changes in wages and other services that comprise a majority of administrative costs.

Step 5: Adjust for Geographic Area

CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions (as defined in Appendix A): North, Central, or South. Table 27 shows the geographic area factor adjustments that are applied based on a beneficiary's region.

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Table 27 Mississippi Division of Medicaid Area Factors			
Region	Area Factors		
	SSI	Adults and Deliveries	Children
North	0.910	0.951	0.988
Central	1.038	1.023	1.029
South	1.059	1.020	0.980

We developed the geographic area factors on a budget-neutral basis by blending projected claims PMPM across rate cell groupings weighted upon the statewide rate cell distribution for each region and reviewing the relative difference in PMPM cost for each region. We created three different rate cell groups (as shown in Table 4) to aggregate experience for similar rate cells, so that we could adequately reflect area factor differences among rate cells and still maintain credibility.

Exhibit 4 includes the resulting capitation rates for each region using these area factors.

Step 6: Adjust for Quality Withhold

Continuing in SFY 2024, a 1.0% quality withhold will be placed on capitation rates for the MississippiCAN program. The terms of the withhold arrangement are outlined in the contract with the CCOs. To earn back the withhold the CCOs must achieve HEDIS scores for the following conditions that are greater than or equal to 2.0% above the baseline HEDIS scores, with a percentage of the withhold assigned to each category. The benchmarks for SFY 2024 will be set based on the average of all CCO reported scores from calendar years 2020 and 2021 (prorated based on member months).

Each of the following HEDIS measures will be used to earn back one twelfth (approximately 8.33%) of the quality withhold, for approximately 83.33% total across all HEDIS measures:

- Well-Child First 30 months (W15 metrics impact the quality withhold; W30 is reporting only for SFY 2024):
 - Six or more visits for children 15 months of age
 - Two or more visits for children 30 months of age
- Immunization for Adolescents (IMA):
 - Combination 2: Meningococcal, Tdap, and HPV
- Anti-Depressant Management-Acute (AMM-AD):
 - Effective Acute Phase Treatment
- Follow-Up After Hospitalization for Mental Illness:
 - 30 Days – Ages 6 to 17
- Prenatal and Postpartum Care (PPC-AD):
 - Timeliness of Prenatal Care
- Comprehensive Diabetes Care:
 - HbA1c Testing
 - Blood Pressure Control
 - Eye Exams
- Adult and Children Asthma Control – Ages 5 to 64
- Adults Pharmacotherapy Management of COPD Exacerbation: Systemic Corticosteroid

DOM will be monitoring readmission rates reported as part of the QIPP in SFY 2024. For SFY 2024, this will be included as a scored metric for the quality withhold. DOM is requiring CCOs to improve their actual-to-expected potentially preventable hospital return (PPHR) rates by 2% compared to the baseline metrics from CY 2020 and CY 2021. This PPHR measure will be used to earn back 8.33% of the quality withhold.

New for SFY 2024, DOM will also be monitoring the cesarean section (C-section) rates among all births paid for by a CCO during the baseline period (CY 2021). To earn back the final 8.33% of the withhold a CCO must improve their individual C-section rate by 2% compared to the baseline period.

If a CCO does not have sufficient data to consider its HEDIS scores credible, DOM will not hold the CCO liable for not meeting the measurement. In this case, the portion of the incentive withheld related to that measurement will be returned to the CCO. After discussions with DOM about the metric development and expectations, we believe that a return of 100% of the withhold is reasonably achievable by the CCOs.

Exhibit 4 includes the resulting capitation rates for each region net of the quality withhold.

Step 7: Adjust For CCO-Specific Risk Score (if Applicable)

Risk Adjustment for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP Rate Cells

The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be further adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). Costs for the Breast and Cervical Cancer, Foster Care, and Pregnant Women populations are less variable, since they tend to utilize similar services across each population. In addition, some of the population sizes are too small from which to develop custom weights specific to the covered services and MississippiCAN reimbursement levels. Therefore, we do not risk adjust these populations. Since the risk adjustment is prospective, there is no historical diagnosis information from which to develop a risk score for newborns.

The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO. Risk adjustment will be budget-neutral to DOM. This risk sharing mechanism is developed in accordance with generally accepted actuarial principles and practices.

To establish these risk scores, the CDPS + Rx risk adjuster will be run with risk weights consistent with services covered in MississippiCAN for the given time period. These risk weights are calculated using Mississippi FFS and encounter data for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP populations. In addition, a beneficiary must have at least six months of eligibility in the data year to be scored. If a beneficiary does not have enough data, they will receive a score based on demographic information, such as age and gender. We will monitor the percentage of CCO enrollees who are not scored and adjust the methodology if necessary.

Risk adjustment for SFY 2024 capitation payments will be based on CY 2022 or May 2022 to April 2023 FFS and encounter diagnosis data. Each CCO's adjusted risk factor will be retrospectively calculated based on actual enrollment data due to data issues that prevented these risk scores from being set prospectively. For the July 1, 2023 to December 31, 2023 risk adjustment period, the factor will be determined using actual enrollment from July 2023 to December 2023. Similarly, for the January 1, 2024 to June 30, 2024 risk adjustment period, the factor will be based on actual enrollment from January 2024 to June 2024. The planned schedule for risk score data sources and calculations is shown in Table 28.

Table 28 Mississippi Division of Medicaid CCO Capitation Rate Risk Adjustment Schedule SFY 2024 Capitation Payments			
Rate Cell	Capitation Payments	Diagnosis Source Data	Enrollment Source
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	July 2023 to December 2023	January 2022 to December 2022	July 2023 to December 2023
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	January 2024 to June 2024	May 2022 to April 2023	January 2024 to June 2024

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Risk Adjustment for the Foster Care Rate Cell

Starting in SFY 2021, the Foster Care rate cell is concurrently risk adjusted after the risk adjustment period ends. The Foster Care rate cell will be risk adjusted using a custom risk adjustment model that does not depend on the CDPS + Rx risk adjuster. After testing the predictive ability of several potential models, we determined the member's eligibility for either state or federal financial assistance was the most accurate indicator of the member's risk score. This status is captured by the money code field on DOM's enrollment records. Risk factors associated with a member's money code will be updated prior to risk adjustment for SFY 2024.

Unlike the other risk-adjusted populations, risk adjustment for the Foster Care rate cell will be applied concurrently after the risk adjustment period ends. Starting in early 2020, we noticed material changes in the composition of each CCO's membership by eligibility group, reflecting changes to how members are assigned to CCOs by DOM. The change in member mix has persisted, and will be exacerbated by the broader enrollment shifts expected through the end of SFY 2024. Given these impacts, as well as the data issues described above, foster care risk scores for SFY 2024 will be calculated and applied retrospectively, once final enrollment data is available and validated in the second half of 2024.

Application of Risk Scores

A CCO's capitation rate will be determined based upon the following formula:

CCO Capitation Rate = Base Capitation Rate x CCO Normalized Risk Factor

The base capitation rates are found in Exhibit 4.

The CCO normalized risk factor will equal the average risk factor across all beneficiaries that a CCO enrolls divided by the average risk factor for the rate cell's population. Regional risk scores will be normalized to ensure the risk adjustment process is revenue neutral across all CCOs.

Step 8: Directed Payments

DOM will process the capitation rate adjustments for multiple directed payments outside of the monthly capitation rate payment system in the form of payments to the CCOs for the actual amount paid to providers and the associated premium tax impact related to these payments. We will calculate and certify adjusted CCO-specific capitation rates at the conclusion of SFY 2024. This recertification is expected to be completed by June 2025.

MHAP Overview

Concurrent with the inclusion of inpatient hospital services in MississippiCAN capitation rates effective December 1, 2015, MHAP was established. This program helps to ensure sufficient access to inpatient and outpatient hospital services for the Medicaid population by including enhanced hospital reimbursement in the capitation rates.

MHAP is funded through a broad-based hospital assessment for facilities in Mississippi, state general revenues, and an intergovernmental transfer (IGT) for a facility in Memphis (located within a county contiguous to Mississippi). This provider assessment is outlined in Miss. Code Ann §43-13-145.

Per CMS's approval on January 12, 2018, beginning in SFY 2018 MHAP began to transition to directed payments according to the specifications and requirements of 42 CFR 438.6 et seq. Table 29 displays the two components of MHAP (FSA and QIPP) and the total dollars in each component from SFY 2022 to SFY 2024.

Table 29 MississippiCAN Capitation Rates MHAP Distribution by SFY			
SFY	MHAP FSA	MHAP-QIPP	Total MHAP
2022	\$285,603,168	\$247,507,788	\$533,110,956
2023	\$313,053,124	\$288,100,478	\$601,153,602
2024	\$733,764,648	\$788,549,237	\$1,522,313,885

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

MHAP FSA

For SFY 2024, a payment of \$733.8 million is included as a directed FSA on inpatient and outpatient claims that will be paid monthly outside the capitation rates.

The preliminary FSA amounts are shown in column (c) of Exhibit 16, consistent with the program design that 65% of the \$733.8 million will be paid for inpatient hospital services, and 35% will be paid for outpatient hospital services using projected SFY 2024 membership. These calculations were performed across all MississippiCAN rate cells with each of the inpatient and outpatient FSA percentage impacts applied uniformly. This results in a larger proportion of the FSA funding included in rate cells with higher inpatient and outpatient utilization.

The estimated FSA is based on projected SFY 2024 membership and estimated inpatient and outpatient claim utilization. Due to actual vs. projected MississippiCAN membership and claim utilization, this estimated capitation adjustment may result in an overpayment or underpayment of the FSA in SFY 2024 if no adjustments are made. If membership and / or utilization is higher than expected, payments will be capped at the \$733.8 million funding amount. If membership and / or utilization is lower than expected, the final payments will be grossed up proportionally to meet the \$733.8 million funding amount. This reconciliation will be done on a PMPM basis at the end of SFY 2024, and the appropriate documentation will be provided to CMS.

The adjustments to capitation rates are consistent with the preprint that was filed with CMS for SFY 2024 on September 21, 2023. The control name for this preprint is MS_Fee_IPH.OPH_Amend_20230701-20240630.

The MHAP FSA additive adjustment is shown in column (c) in Exhibit 16. An additional allowance for premium tax on the MHAP FSA is included in column (d) in Exhibit 16.

MHAP QIPP

Beginning in SFY 2020, a quality incentive payment program (QIPP) will be a component of MHAP. Consistent with the preprint submitted to CMS, the QIPP will be paid as a uniform payment arrangement for SFY 2024. The goal of the QIPP is to utilize state and federal investments to improve the quality of care and health status of the Mississippi Medicaid population. The QIPP is envisioned to be a multi-year process with an increasing percentage of the payments linked to performance improvements achieved and maintained by the hospital industry.

For SFY 2024, the QIPP will consist of approximately \$788.5 million, which will be paid outside of the capitation rates on a quarterly basis. DOM will determine the payments made to facilities based on agreed upon performance measures. Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2024 to include a QIPP PMPM for each CCO, which will include a provision for premium tax.

The adjustments to capitation rates are consistent with the preprint that was filed with CMS for SFY 2024 on September 21, 2023. The control name for this preprint is MS_Fee_IPH.OPH_Amend_20230701-20240630.

The MHAP QIPP additive adjustment is shown in column (e) in Exhibit 16. An additional allowance for premium tax on the MHAP QIPP is included in column (f) in Exhibit 16.

TREAT Program

Beginning July 1, 2022, emergency ambulance reimbursement are proposed to be increased consistent with a \$438.6(c) directed payment for eligible providers. Subject to CMS approval, payments for the TREAT program are estimated to be \$20.6 million for SFY 2024 and will be paid outside the capitation rate as a uniform payment arrangement.

Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2024 to include a TREAT PMPM for each CCO, which will include a provision for premium tax. The adjustments to capitation rates are consistent with the preprint that was filed with CMS for SFY 2024 on October 31, 2023. The control name for this preprint is MS_Fee_Oth_Renewal_20230701-20240630.

The TREAT additive adjustment is shown in column (g) in Exhibit 16. An additional allowance for premium tax on the TREAT payments is included in column (h) in Exhibit 16.

Mississippi MAPS Program

Beginning in SFY 2020, the Mississippi Medicaid Access to Physician Services (MAPS) program will enhance payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital. The term “qualifying hospital” means a Mississippi state-owned academic health science center with a Level 1 trauma center, Level 4 neonatal intensive care nursery, an organ transplant program, and more than a four hundred (400) physician multispecialty practice group.

DOM will require that CCOs provide the same supplemental percentage increase, equal to 58.63% of Medicare rates, to all qualifying providers. Payments in SFY 2024 are expected to be \$39,420,290. Similar to MHAP, capitation rates will be retroactively adjusted for SFY 2024 to include a MAPS PMPM including a provision for premium tax for each CCO and rate cell based on actual membership and utilization. The appropriate documentation will be submitted to CMS at the time of this retroactive adjustment.

This program is being made under a \$438.6(c) payment arrangement consistent with the preprint that was approved by CMS for SFY 2024 on August 18, 2023. The control name for this preprint is MS_Fee.VBP_AMC_Renewal_20230701-20240630.

The MAPS additive adjustment is shown in column (i) in Exhibit 16. An additional allowance for premium tax on the MAPS is included in column (j) in Exhibit 16.

Table 30 below shows a summary of the MHAP, MAPS, and TREAT payments for SFY 2023 and SFY 2024.

Table 30 Mississippi Division of Medicaid Summary of Directed Payments by SFY		
	SFY 2023	SFY 2024
Total MHAP	\$601,153,602	\$1,522,313,885
MHAP FSA ¹	\$313,053,124	\$733,764,648
MHAP QIPP ¹	\$288,100,478	\$788,549,237
MAPS	\$38,018,361	\$39,420,290
TREAT ¹	\$14,740,472	\$20,616,966
Total Directed Payments	\$653,912,435	\$1,582,351,141

¹ Preprints for the SFY 2024 MHAP FSA, MHAP QIPP, and TREAT are pending CMS approval.

Step 9: Calculate Risk Corridor Settlements

Subject to CMS approval, DOM will implement two symmetrical risk corridors to address the uncertainty of medical costs given the unwinding of the COVID-19 PHE during SFY 2024 and the uncertainty of several current and anticipated high-cost medications.

High-Cost Pharmacy Risk Corridor

Some Medicaid members have conditions requiring very expensive drug treatments. These members are infrequent and not evenly distributed among the CCOs. To help mitigate the CCO’s risk, the state is introducing a high-cost pharmacy risk corridor for SFY 2024, subject to CMS approval. The risk corridor is applicable to total drug spend and related costs due to administration and monitoring for specified products of \$500,000 or more per year at a member level. Table 31 below, as well as Exhibit 17A, include a PMPM estimate of the costs that will be covered in the high-cost pharmacy risk corridor specific to each rate cell. Please see Exhibits 17C and 17D for the detailed calculations of the high-cost pharmacy targets below. The actual costs from the CCOs will be compared to these estimated costs for the settlement calculations.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Table 31 Mississippi Division of Medicaid SFY 2024 High-Cost Pharmacy Risk Corridor SFY 2024 High-Cost Pharmacy Target PMPM	
Rate Cell	
Non-Newborn SSI / Disabled	\$65.99
Breast and Cervical Cancer	\$0.00
MA Adult	\$1.26
Pregnant Women	\$0.00
SSI / Disabled Newborn	\$0.00
Non-SSI Newborns 0 to 2 Months	\$24.96
Non-SSI Newborns 3 to 12 Months	\$7.36
Foster Care	\$9.58
MYPAC	\$15.71
MA Children	\$2.08
Quasi-CHIP	\$0.00
Total	\$11.63

Table 32 summarizes the share of gains and losses relative to the estimated high-cost pharmacy costs for each party.

Table 32 Mississippi Division of Medicaid Proposed High-Cost Pharmacy Risk Corridor Parameters		
CCO Gain / Loss	CCO Share of Gain / Loss in Corridor	DOM Share of Gain / Loss in Corridor
Less than -6.0%	0%	100%
-6.0% to -3.0%	50%	50%
-3.0% to +3.0%	100%	0%
+3.0% to +6.0%	50%	50%
Greater than +6.0%	0%	100%

The high-cost pharmacy risk corridor will be implemented using the following provisions:

- Estimated high-cost pharmacy costs are calculated separately for each rate cell based on the expected mix of high-cost products.
- Each rate cell's actual high-cost pharmacy costs will include payments made for the following:
 - All pharmacy claims with an NDC code billed through a retail or specialty pharmacy, regardless of where these claims are administered.
 - All drugs billed as medical claims with a HCPCS code that starts with the letter "J."
 - Inpatient stays for the administration and monitoring for select gene therapies and other select products. The estimated pharmacy costs included in the high-cost risk corridor include the following; however, DOM will monitor and revise the list of approved products if additional products are covered by DOM for use during SFY 2024.
 - lovotibeglogene autotemcel (lovo-cel)
 - exagamglogene autotemcel (exa-cel)
 - Zynteglo
 - Applicable script limits will be applied and the costs for those services will not be counted toward total member spend during that time period.

- The timing of the risk corridor settlements will occur during the initial and final settlements for the program-wide risk corridor. The high-costs pharmacy risk corridor will be calculated independent of the larger program-wide risk corridor.
 - The initial settlement will occur after the contract year is closed, using six months of runout.
 - The final settlement will occur once the MLR audit has been completed. MLR audits are usually completed 12 to 18 months after the close of the SFY.
- The 87.5% minimum MLR provision (Federal MLR definition) in the CCO contract will apply after the risk corridor settlement calculation.

Program-Wide Risk Corridor

The capitation rates in this report reflect a target medical loss ratio (MLR), which measures the projected medical service costs as a percentage of the total capitation rates paid to the CCOs less the cost eligible for the high-cost pharmacy risk corridor. The risk corridor would limit CCO gains and losses if the actual MLR is different than the target MLR. Table 33 summarizes the share of gains and losses relative to the target MLR for each party.

Table 33 Mississippi Division of Medicaid Proposed Program-wide Risk Corridor Parameters		
MLR Claims Corridor	CCO Share of Gain / Loss in Corridor	DOM Share of Gain / Loss in Corridor
Less than Target MLR -2.0%	0%	100%
Target MLR -2.0% to Target MLR +2.0%	100%	0%
Greater than Target MLR +2.0%	0%	100%

For the purposes of the SFY 2024 program-wide risk corridor, a different definition of MLR will be used than the Federal MLR definition.

Exhibit 17B illustrates the calculation of the target MLR for each CCO. The final target MLR will vary for each CCO and will depend on several currently unknown factors, including the final risk scores for each risk-adjusted rate cell and the results of the final settlements for MHAP and MAPS. To ensure continued quality incentives, we assume that 100% of the quality withhold will be returned for the calculation of the target MLR. **Exhibit 17B does not reflect the actual target MLR to be used for any CCO, but is shown for illustrative purposes.** Moreover, Exhibit 17B does not reflect regional variations in capitation rates and risk scores (for applicable rate cells), which will be considered in the final risk corridor calculation. More detailed templates will be provided to the CCOs demonstrating the actual calculation to be used when developing risk corridor settlements.

The program-wide risk corridor will be implemented using the following provisions:

- Actual and target MLRs will be calculated separately for each CCO based on their actual enrollment mix.
- The numerator of each CCO's actual MLR will include state plan covered services incurred during the period of SFY 2024 with payments made to providers as defined in Exhibit C of the CCO Contract, including FFS payments, subcapitation payments, and settlement payments. Non-covered services will be removed from the numerator.
- The high-costs pharmacy risk corridor will be calculated independent of the larger program-wide risk corridor.
- Payments and revenue related to MHAP and MAPS will be included in the numerator and denominator of each CCO's actual MLR.
- Adjustments to revenue and claims resulting from the MLR audit will be incorporated into the calculation of each CCO's actual MLR.

The program-wide risk corridor settlement will occur after the contract year is closed, using six months of runout. An initial calculation will occur, but the final calculation will occur once the MLR audit has been completed. MLR audits are usually completed 12 to 18 months after the close of the SFY.

Other Program Considerations

The program includes a minimum federal MLR requirement of 87.5% of revenue. The sum of medical expenses and HCQI expenses must meet or exceed 87.5% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 87.5% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism will be calculated after the application of the risk corridor. Due to the implementation of a 2.0% risk corridor for SFY 2024, the minimum MLR will be greater than 87.5% and will not trigger any additional payments as of a result of this provision.

EXHIBITS 1 THROUGH 19

(Provided in Excel Format Only)

State of Mississippi Division of Medicaid
SFY 2024 MississippiCAN Preliminary Rate Calculation and Certification - Updated

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 20, 2024

APPENDIX A

SFY 2024 Rate Cell Definitions

APPENDIX A

SFY 2024 RATE CELL DEFINITIONS

This section of our report outlines the rate cell definitions to be used for SFY 2024 for the populations addressed in this report. These definitions are summarized in Table 1 below. Capitation rate cells for SFY 2024 were kept consistent with the SFY 2023 capitation rate cells.

Table 1 Mississippi Division of Medicaid Rate Cell Definitions			
Rate Cell Grouping for Assumption Development	Rate Cell	Age Requirement	Category of Eligibility (COE)
Children	SSI / Disabled Newborns	Ages 0 to 12 months (13-month duration)	001, 019
Children	Non-SSI Newborns – age 0 to 2 months	Ages 0 to 2 months (3-month duration)	003, 026, 071, 088
Children	Non-SSI Newborns – age 3 to 12 months	Ages 3 to 12 months (10-month duration)	003, 026, 071, 088
Children	MA Children	Ages 1 to 19	072, 073
Children	Quasi-CHIP	Ages 1 to 19	074
Children	MYPAC	Ages 1 to 20	N/A, Lckn_cd = SED
Children	Foster Care	Ages 1+	003, 026
Adult	Pregnant Women	Ages 8 to 64	088
Adult	MA Adult	Ages 19+	075
SSI	Non-Newborn SSI / Disabled	Ages 1+	001, 019, 025
SSI	Breast and Cervical Cancer	N/A	027

All rate cell eligibility excludes the following individuals not enrolled in MississippiCAN:

- Retroactive membership
- Dual eligible members
- Institutionalized beneficiaries in a long-term care facility
- Individuals in the following waiver programs: WAL, WED, WMR, or WTB

GEOGRAPHIC REGIONS

DOM uses regional payments to better reflect enrollment for CCOs that enroll a disproportionate number of members from higher-cost or lower-cost regions of the state. DOM uses the three regions of North, Central, and South based on the county where a beneficiary lives. Table 2 displays the counties included in each region.

APPENDIX A

SFY 2024 RATE CELL DEFINITIONS

Table 2 Mississippi Division of Medicaid Geographic Regions by County		
North Region	Central Region	South Region
Alcorn	Calhoun	Adams
Attala	Chickasaw	Amite
Benton	Choctaw	Covington
Bolivar	Claiborne	Forrest
Carroll	Clarke	Franklin
Coahoma	Clay	George
DeSoto	Copiah	Greene
Grenada	Hinds	Hancock
Holmes	Issaquena	Harrison
Humphreys	Jasper	Jackson
Itawamba	Kemper	Jefferson
Lafayette	Lauderdale	Jefferson Davis
Lee	Leake	Jones
LeFlore	Lowndes	Lamar
Marshall	Madison	Lawrence
Montgomery	Monroe	Lincoln
Panola	Neshoba	Marion
Pontotoc	Newton	Pearl River
Prentiss	Noxubee	Perry
Quitman	Okitbbeh	Pike
Sunflower	Rankin	Stone
Tallahatchie	Scott	Walthall
Tate	Sharkey	Wayne
Tippah	Simpson	Wilkinson
Tishomingo	Smith	
Tunica	Warren	
Union	Webster	
Washington	Winston	
Yalobusha	Yazoo	

To determine a beneficiary's county, we used the following approach:

- County code included on a beneficiary's enrollment record in a given month.
- Absent (a), we mapped zip codes in the enrollment file to counties. In cases where a zip code is present in more than one county, we assumed that a zip code maps to a given county if:
 - The zip code shows up most frequently for a given county in the enrollment file (assuming a minimum of five occurrences).
 - Census information indicating the portion of a zip code's population that resides in each county. County is assigned to a zip code based on the county that includes the largest portion of a zip code's population.

If a beneficiary could not be assigned to a region, we excluded their eligibility and claim experience from the base data. This accounts for less than 0.1% of all current MississippiCAN eligible members in CY 2021.

APPENDIX B

Data Sources and Processing

APPENDIX B

DATA SOURCES AND PROCESSING

A number of data sources are used to develop the base data for the SFY 2024 MississippiCAN capitation rates.

- Medicaid eligibility data
- FFS claim data
- CCO encounter data
- CCO financial data

CY 2021 experience forms the primary base data for the SFY 2024 capitation rates.

This section of the report outlines each data source and steps to process the data.

MEDICAID ELIGIBILITY

DOM's MMIS vendor provided detailed Medicaid eligibility data for CY 2021. Before analyzing claims, we pared down the eligibility data to groups that are eligible to enroll in MississippiCAN, as defined in Appendix A of our report. In order to isolate data only for this group, we applied various filters as described in the rest of this appendix.

We relied upon the 'CAN' lock-in code for each eligibility span to include individuals enrolled in MississippiCAN in the base period. This assumes that MMIS-calculated enrollment criteria in the base period is consistent with SFY 2024. In addition, this removes opt-outs from voluntary populations (SSI children and Mississippi Band of Choctaw Indians) from the base data used to develop capitation rates. The opt-out rates for these populations have been stable in recent experience.

In addition, adjustments were made for the removal of retroactive eligibility periods and records not able to map to a geographic area.

Removal of Retroactive Eligibility Periods

Beneficiary enrollment in the FFS program can occur retroactively. When some individuals apply and qualify for Medicaid coverage, DOM reimburses claims, which occurred during the retroactive qualification period prior to their application. DOM backdates the eligibility of the individual to accommodate the retroactive coverage.

There is also a lag between the first date of eligibility and the date of enrollment in a CCO because Medicaid eligibility begins on the first day of the month in which the application was received. Once a Medicaid beneficiary signs up for a CCO, they will be enrolled on the first day of the subsequent month. The retroactive enrollment period is not covered by the CCO, so we removed retroactive eligibility included in the data provided to us using the following criteria:

- Eligibility months prior to the date that a beneficiary was added to the Medicaid enrollment file were removed. For example, if a beneficiary is active January 15, 2021, but they were added to the enrollment file February 1, 2021, we only included data on or after February 1, 2021 to exclude any retroactivity that may have occurred.

As of December 2015, newborns are enrolled in MississippiCAN at the time of their birth. Therefore, the retroactive eligibility exclusion is not applicable to these populations.

Geographic Area

If a beneficiary could not be assigned to a region, we excluded them from the base data. This accounts for less than 0.1% of all current MississippiCAN eligible member months in CY 2021. See Appendix A for additional information on the assignment of a geographic region.

FFS DATA

FFS claims are provided by DOM's MMIS vendor. These claims include any populations and / or services not included in MississippiCAN. We reviewed the FFS data for reasonability for several considerations, including the following, and verified it was consistent with monthly DOM cost reporting:

- Monthly claim counts per member
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Monthly units and payments by rate cell

APPENDIX B

DATA SOURCES AND PROCESSING

ENCOUNTER DATA

Encounter claims are included in the data provided by DOM's MMIS vendor. This data represents the actual amounts paid to the provider, so no repricing was done as part of the development of capitation rates. A claim processed by a CCO and submitted to DOM can be identified in the data using the following definition. Please note, the field names may vary from those provided in the encounter data submission from the CCOs.

- The 6th character of claim_id is '5' and cl_type is 'R,' or
- The 6th character of claim_id is '0' and cl_type is not 'R'

For all service categories we used CY 2021 encounter data with runout through April 2022.

Only encounter claims for members flagged as a MississippiCAN enrollee in the eligibility data were included in the base data. Encounter claims which failed to be mapped to a MississippiCAN CCO enrollee were removed.

CCO encounters are rigorously vetted by Myers and Stauffer as part of their reconciliation of encounters against CCOs' cash disbursement journals (CDJs). As part of this reconciliation, Myers and Stauffer identifies encounter claims that are duplicates, voids, or replacements for other encounter claims. Myers and Stauffer shares these findings with CCOs at a claim level to ensure they are accurately determining the final, non-duplicated version of each paid claim. As a result of their analysis, Myers and Stauffer are able to reconcile closely to the CCOs' CDJs (historically within 0.5% on a paid basis). We use summaries provided by Myers and Stauffer to identify final, non-duplicative claims consistent with their CDJ reconciliation.

Lastly, the encounter data is run through Milliman's *Health Cost Guidelines*[™] (HCGs) grouper to map the encounter data into detailed categories of service. These categories of service are then rolled up into six high level categories of service: inpatient, outpatient, physician, pharmacy, dental, and other. This mapping from detailed category of service to broad category of service is included as Exhibit 2.

After processing the data, we review the encounter data for several considerations, including:

- Monthly encounter counts per member (including and excluding \$0 payments)
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Quarterly units and payments relative to financials by COS
- Frequency of diagnosis completion by COS

FINANCIAL REPORTING DATA

For base data development, each CCO submitted a financial report reconciled to their organization's audited CY 2021 financial statements for Mississippi. Reports were submitted for CY 2021 including earned premium, claim experience with run out through April 2022 for CY 2021 data, best estimate IBNR claim amounts, subcapitated arrangements, non-service expenses, and membership. The reported membership was close in total to the MMIS enrollment, so we utilized the MMIS enrollment for rate development.

We worked with each CCO to validate that their reports were filled out consistently with the category of service and non-medical definitions used in the capitation rate development. Adjustments were made to the original submissions to help align these definitions.

CLAIMS ABOVE STATE-PLAN COVERED SERVICE LIMITS

When processing encounter data, we identify claims above Mississippi's state-plan covered service limits. These services are provided by some CCOs as an expanded benefit. However, as they are not state-plan-covered, these services are excluded from the base data when setting capitation rates. We identified three types of benefits offered by CCOs that are above state-plan covered service limits, described below. Children receiving EPSDT services, identified as individuals under the age of 21, are exempt from the service limits described below.

- **Physician Visits** – Members are limited to 16 physician visits within a state fiscal year. This limit is applied separately for psychiatric and non-psychiatric visits.

APPENDIX B

DATA SOURCES AND PROCESSING

To identify physician visits, claims are required to have a claim type of “C” (Clinics), “E” (Vision / Hearing), “K” (Services), or “P” (Practitioner / Physician). Additionally, the claim must have one of a list of specific procedure codes. Exhibits 3A and 3B show the required procedure codes for non-psychiatric and psychiatric physician visits, respectively.

- **Pharmacy Scripts** – The Mississippi state plan covers up to six prescription drugs per month. Scripts beyond the limit are identified by counting claims for the pharmacy category of service by member by month. Some scripts do not apply to the coverage limit, including:
 - Vaccinations
 - Clinician Administered Drugs and Implantable Drug System Devices (CADDs)
 - Insect Repellants
 - Insulin testing and other supplies
 - Tablet splitters
 - Sodium chloride for inhalation
 - Omnipod Dash 5 pack

Additionally, all monthly fills of Clozapine after the first fill do not apply to the script limit. Only the first script within each GCN category applies for Clozapine.

Exhibit 3C includes a list of all NDCs for the exclusions listed above.

- **Home Health Visits** – Up to 36 home health visits per state fiscal year are covered under Mississippi’s state plan. Home health visits are identified as claims with a claim type of “V” (Home Health) and a revenue code of 421, 441, 551, 571, or 589.

APPENDIX C

CMS Managed Care Rate Setting Guide Response

APPENDIX C

Responses to 2023-2024 CMS Managed Care Rate Development Guide

I. RESPONSES TO 2023-2024 CMS MANAGED CARE RATE DEVELOPMENT GUIDE

SECTION I. MEDICAID MANAGED CARE RATES

1. General Information

- Rate period – This report documents and certifies capitation rates in effect from July 1, 2023 to June 30, 2024 (SFY 2024).
- Actuarial rate certification – See Appendix D.
- Final capitation rates – See Exhibit 4.
- Program descriptions – Please refer to the following sections:
 - Section II – MississippiCAN program background
 - Appendix A – Rate cell definitions
 - Section IV: Step 6 – Background on the quality withhold applied in SFY 2024
- Medical Loss Ratio (MLR) – The program includes a minimum MLR requirement of 87.5% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses must meet or exceed 87.5% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 87.5% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices.
- Federal Medical Assistance Percentage (FMAP) – DOM receives an enhanced FMAP for COVID-19 vaccination administration fees, family planning services, breast and cervical cancer services, Indian health services, home health services, rehabilitation services, private duty nursing services, and Quasi-CHIP members that prior to the Affordable Care Act were covered under the CHIP program. Any differences in capitation rates according to covered populations are based on valid rate development standards and not based on the FMAP associated with the covered populations.
- Cross-subsidies – Rate cells do not cross-subsidize other rate cells.
- Rate change from SFY 2023 capitation rates – See Section I.
- Known rate amendments – The capitation rates included in this report will require recertification to account for the following:
 - CCO specific MHAP, MAPS, and TREAT payments made to providers. This initial certification includes a PMPM estimate of these amounts across all CCOs.
 - As noted in Section IV: Step 2, no acuity adjustment is included in the preliminary rates for acuity changes between June 2022 and SFY 2024 (an adjustment is applied to reflect changes resulting from the shift from MississippiCAN to FFS during CY 2021 as of June 2022). We will monitor enrollment and may consider making an adjustment if enrollment and population acuity differ materially from the base period data.
 - We anticipate that these adjustments will be made at the same time and an amendment will be submitted by February 2025.
- Impact of COVID-19 – See Section I.

2. Data

- Service data sources – See Appendix B.
- Validation and quality adjustments – See Section III for encounter data and financial reporting validation.

APPENDIX C

Responses to 2023-2024 CMS Managed Care Rate Development Guide

- Changes in data sources – SFY 2024 capitation rates use CY 2021 CCO encounter and financial data as the base period data sources. SFY 2023 capitation rates used a CY 2019 base data period, supplemented by CY 2018 data for smaller rate cells.
- Potential Future Data improvements – We anticipate no major enhancements to data collection in the future.
- Other data adjustments – None.
- Data reliance – See Appendix E.

3. Projected Benefit Costs and Trends

- Assumptions used to project benefit costs do not vary based on the rate of federal financial participation associated with the covered populations.
- Projected benefit cost trends:
 - Annual trend assumptions – Section IV: Step 1 outlines the trend assumptions from CY 2021 to the rating period. Please refer to Exhibits 7A to 7E for more information. Negative unit cost trends for CY 2021 to the rating period for inpatient hospital services shown in Table 10 are due to decreases in fee schedules over time.
 - Reimbursement changes – Section IV: Step 2 describes the reimbursement changes between the base period and rating period.
- In-lieu-of services – CCOs do not provide any material amounts of in-lieu-of services.
- Mental Health Parity and Addiction Equity Act – No additional services were necessary to add to the program to achieve compliance with the act.
- Retrospective eligibility periods – No consideration for retroactive eligibility periods is included in the base data or rate development, because such services are covered under FFS.
- Overpayments to providers – Section III, Step 1 summarizes recoveries for overpayments to providers by CCOs and how these recoveries are accounted for when summarizing the base data used to develop SFY 2024 capitation rates.
- Changes in covered services and benefits: There are three benefit changes between the base period and the rate year:
 - Expansion of postpartum coverage for pregnant women from 60 days to 12 months.
 - Members diagnosed with Hemophilia or Von Willebrand disease are now covered as part of the MississippiCAN program.
 - Zolgensma is now included as a covered therapy for SFY 2024 (was previously carved out).
- Other adjustments:
 - A population change adjustment was applied to reflect that some children in the Non-Newborn SSI / Disabled rate cell were historically moved into FFS after a PRTF stay. Starting in SFY 2022, these individuals will remain in the MississippiCAN program. This adjustment was applied in Section III: Step 1.
 - Area relativity factors – Please see Section IV: Step 3 for a discussion of the area factor development for the North, Central, and South regions.
- Final projected benefit costs – See Exhibit 4.
- Conditions of any litigation to which the state is subjected – Not applicable; no impact on rates.

APPENDIX C

Responses to 2023-2024 CMS Managed Care Rate Development Guide

4. Special Contract Provisions Related to Payment

- Incentive Arrangements – Not applicable.
- Withhold Arrangements – A quality withhold will be implemented for the SFY 2024 capitation rates. Please see Section IV: Step 4 for a description of the quality withhold.
- Risk sharing.
 - The program includes a minimum MLR requirement of 87.5% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses, must meet or exceed 87.5% of revenue. Revenue for premium taxes and HIF are excluded from the MLR calculation. If the 87.5% threshold is not met, MCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices.
 - For SFY 2024 the program is subject to a high-cost pharmacy risk corridor and a program-wide risk corridor. Please see Section IV: Step 9 for details of the implementation of these risk corridors.
 - Any risk-sharing arrangements are consistent with pricing assumptions and no remittance / payment is calculated using pricing assumptions.
- Delivery System and Provider Payment Initiatives – Not applicable.
- State Directed Payments.

The SFY 2024 capitation rates included in this certification reflect three directed payment arrangements that will be in effect for SFY 2024. The necessary information for the three state directed payment arrangements included in these preliminary capitation rates is summarized below.

Summary of All State Directed Payments			
Control Name of the State Directed Payment	Type of Payment	Brief Description	Is the Payment Included as a Rate Adjustment or Separate Payment Term?
MS_Fee_IPH.OPH_Amend_20230701-20240630	Uniform dollar or percentage increase	Enhanced hospital reimbursement for inpatient and outpatient hospital services for qualifying facilities	Separate payment term
MS_Fee.VBP_AMC_Rene wal_20230701-20240630	Uniform dollar or percentage increase	Enhanced payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital	Separate payment term
MS_Fee_Oth_Renewal_20230701-20240630	Uniform dollar or percentage increase	Enhanced reimbursement for ambulance providers	Separate payment term

APPENDIX C

Responses to 2023-2024 CMS Managed Care Rate Development Guide

Summary of State Directed Payments Included as a Separate Payment Term					
Control Name of the State Directed Payment	Aggregate Amount Included in the Certification	Statement that the Actuary is Certifying the Separate Payment Term	The Magnitude on a PMPM Basis	Confirmation the Rate Development is Consistent with the Preprint	Confirmation that the State and Actuary will Submit Required Documentation at the End of the Rating Period
See Exhibit 16					
MS_Fee_IPH.OPH_Amen d_20230701-20240630	FSA component of MHAP: \$733.8 million QIPP component of MHAP: \$788.5 million	Confirmed the actuarial certification covers this separate payment term	FSA component of MHAP: allocated across rate cells based on projected IP / OP spend. 65% is allocated based on projected IP spend and 35% is allocated based on projected OP spend. Ranges from \$37.29 to \$5,625.75 PMPM. QIPP component of MHAP: allocated as a fixed PMPM of \$157.86 across all rate cells.	Confirmed	Confirmed
MS_Fee.VBP_AMC_Ren ewal_20230701- 20240630	\$39.4 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 16 Allocated as a fixed PMPM of \$7.89 across all rate cells	Confirmed	Confirmed
MS_Fee_Oth_Renewal_ 20230701-20240630	\$20.6 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 16 Allocated as a fixed PMPM of \$4.13 across all rate cells	Confirmed	Confirmed

All services covered under the MississippiCAN program are subject to a minimum fee schedule of the FFS rate. This minimum fee schedule is set in accordance with the provisions of §438.6(c). It is our understanding that this type of minimum fee schedule does not necessitate prior approval from CMS and no preprint is required.

DOM has confirmed that there are no additional directed payments in the program that are not addressed in the certification.

DOM has also confirmed that there are no requirements regarding the reimbursement rates the managed care plans must pay to any providers unless specifically specified in the certification as a state directed payment or authorized under applicable law, regulation, or waiver.

- Pass Through Payments – Not applicable.

APPENDIX C

Responses to 2023-2024 CMS Managed Care Rate Development Guide

5. Projected Non-Benefit Costs

- Assumptions used to project non-benefit costs do not vary based on the rate of federal financial participation associated with the covered populations.
- Administrative cost data, projected costs, premium tax and margin – See Section IV: Step 4.
- Health Insurer Fee (HIF) treatment – Not applicable for SFY 2024.

6. Risk Adjustment and Acuity Adjustments

- Risk adjustment – See Section IV: Step 7. During the development of the custom Mississippi risk adjustment model, we measured an R-squared value of 11% for MA Children and Quasi-CHIP, 17% for MA Adults, and 26% for Non-Newborn SSI / Disabled. These weights were used in the most recent risk adjustment results (effective for January 2023 to June 2023) which resulted in risk scores that ranged from 0.94 to 1.04 depending on CCO, region and rate cell.

A custom risk adjustment model was developed for the Foster Care rate cell using information from members' enrollment information. This model was used in the most recent risk adjustment results (effective for January 2023 to June 2023) which resulted in risk scores that ranged from 0.91 to 1.28 depending on CCO and region.

- Acuity Adjustments – See Section IV: Step 2 for a description of the acuity adjustment applied to reflect changes in member acuity as a result of the member transition that occurred starting in June 2021.

SECTION II. MEDICAID MANAGED CARE RATES WITH LONG-TERM SERVICES

This section does not apply as MississippiCAN is not a long-term care service program.

SECTION III. NEW ADULT POPULATION CAPITATION RATES

This section does not apply as the state of Mississippi has not expanded coverage as a result of the Affordable Care Act.

APPENDIX D

Actuarial Certification of SFY 2024 MississippiCAN Capitation Rates

State of Mississippi Division of Medicaid
SFY 2024 MississippiCAN Preliminary Rate Calculation and Certification - Updated

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 20, 2024



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

jill.bruckert@milliman.com

December 20, 2024

**Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2024 MississippiCAN Capitation Rates - Updated**

I, Jill A. Bruckert, am associated with the firm of Milliman, Inc., am a member of the American Academy of Actuaries, and meet its Qualification Standards for Statements of Actuarial Opinion. I was retained by the Mississippi Division of Medicaid (DOM) to perform an actuarial certification of the Mississippi Coordinated Access Network (MississippiCAN) coordinated care capitation rates for July 1, 2023 to June 30, 2024 (SFY 2024) for filing with the Centers for Medicare and Medicaid Services (CMS). I reviewed the capitation rate development and am familiar with the following regulation and guidance:

- The requirements of 42 CFR §438.3(c), 438.3(e), 438.4, 438.5, 438.6, and 438.7
- CMS "Appendix A, PAHP, PIHP, and MCO Contracts Financial Review Documentation for At-risk Capitated Contracts Ratesetting dated November 10, 2014"
- 2023 to 2024 Medicaid Managed Care Rate Development Guide
- Actuarial Standard of Practice 49 and other applicable standards of practice

I examined the actuarial assumptions and actuarial methods used in setting the capitation rates for SFY 2024 dated December 20, 2024 and accompanying this certification.

To the best of my information, knowledge, and belief, for the SFY 2024 period, the capitation rates offered by DOM are in compliance with the relevant requirements of 42 CFR 438.4. The attached actuarial report describes the capitation rate setting methodology. Please note, as outlined in the cover letter of the report, there are a number of outstanding program changes that will be incorporated into an update to SFY 2024 capitation rates.

In my opinion, the capitation rates are actuarially sound, as defined in Actuarial Standard of Practice 49, were developed in accordance with generally accepted actuarial principles and practices, and are appropriate for the populations to be covered and the services to be furnished under the contract. This certification includes all prospective health plan payments, as well as the components of the MHAP, MAPS, and TREAT programs that will be settled retrospectively.

In making my opinion, I relied upon the accuracy of the underlying claim and eligibility data records and other information prepared by DOM and participating CCOs. I did not audit the data and calculations, but did review them for reasonableness and consistency and did not find material defects. In other respects, my examination included such review of the underlying assumptions and methods used and such tests of the calculations as I considered necessary. The reliance letter from DOM is included in Appendix E of the rate report issued on December 20, 2024.

Actuarial methods, considerations, and analyses used in forming my opinion conform to the appropriate Standards of Practice as promulgated from time-to-time by the Actuarial Standards Board, whose standards form the basis of this Statement of Opinion.

It should be emphasized that capitation rates are a projection of future costs based on a set of assumptions. Actual costs will be dependent on each contracted coordinated care organization's situation and experience.



Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2024 MississippiCAN Capitation Rates
December 20, 2024
Page 2 of 2

This Opinion assumes the reader is familiar with the MississippiCAN program, Medicaid coordinated care programs, and actuarial rating techniques. The Opinion is intended for the State of Mississippi and the Centers for Medicare and Medicaid Services and should not be relied on by other parties. The reader should be advised by actuaries or other professionals competent in the area of actuarial rate projections of the type in this Opinion, so as to properly interpret the projection results.

A handwritten signature in black ink, reading 'Jill A. Bruckert', positioned above a horizontal line.

Jill A. Bruckert
Member, American Academy of Actuaries
Principal and Consulting Actuary
December 20, 2024

APPENDIX E

Data Reliance Letter

State of Mississippi Division of Medicaid
SFY 2024 MississippiCAN Preliminary Rate Calculation and Certification - Updated

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2024 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 20, 2024

OFFICE OF THE GOVERNOR

Walter Sillers Building | 550 High Street, Suite 1000 | Jackson, Mississippi 39201



October 11, 2024

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary
Milliman, Inc.
17335 Golf Parkway, Suite 100
Brookfield, WI 53045

Re: Data Reliance for Actuarial Certification of SFY 2024 MississippiCAN Capitation Rates

Dear Jill:

I, Jennifer Wentworth, Deputy Administrator for Finance for the Mississippi Division of Medicaid (DOM), hereby affirm that the data prepared and submitted to Milliman, Inc. (Milliman) for the purpose of certifying MississippiCAN capitation rates was prepared under my direction and, to the best of my knowledge and belief, is accurate, complete, and consistent with the data used to develop the capitation rates. Capitation rates are effective July 1, 2023 to June 30, 2024.

Provided data or information used in the development of the capitation rates includes:

1. Data from DOM's Medicaid Management Information Systems (MMIS) prior vendor (Conduent):
 - a. Encounter claims through August 2022.
 - b. Medicaid eligibility through August 2022.
2. Data from DOM's vendor Myers and Stauffer:
 - a. Detailed encounter claim status reports, including identification of duplicative or voided claims through September 5, 2022.
3. Data from DOM's vendor Change Healthcare:
 - a. PDL change analysis files and supporting exhibits for January 1, 2022 provided January 23, 2022 and January 31, 2022.
 - b. PDL change analysis files and supporting exhibits for January 1, 2023 provided January 4, 2023, January 9, 2023, January 31, 2023, and February 7, 2023.
 - c. Estimates of the impact of medications used to treat obesity.
4. Supporting documentation provided by DOM:
 - a. Data identification logic:

- i. Logic for identifying members eligible for the MYPAC rate cell.
- ii. Logic for identifying members with hemophilia.
- iii. Logic for identifying Institution for Mental Disease (IMD) facilities.
- iv. Logic for identifying claims above state plan covered service limits.
- v. Detailed mapping of services and providers previously eligible for the 5% assessment.
- b. Reimbursement and / or program changes:
 - i. SB 2799 passed April 19, 2021.
 - 1. Removal of 5% provider assessment effective July 1, 2021.
 - 2. Preventative and diagnostic dental reimbursement increases of 5% effective July 1, 2021, July 1, 2022, and July 1, 2023, achieved through the removal of the 5% provider assessment.
 - 3. Fee schedules frozen effective July 1, 2021.
 - ii. HB 657 signed into law on April 19, 2022.
 - 1. Restorative dental reimbursement increases of 5% effective July 1, 2021, July 1, 2022, July 1, 2023, and July 1, 2024.
 - 2. Ability to change fee schedules with legislative notification. DOM will update reimbursement for the following provider types.
 - a. Pharmacy reimbursement effective July 1, 2021.
 - b. Physician fee schedules effective July 1, 2022.
 - c. Inpatient and outpatient fee schedules effective July 1, 2023.
 - iii. SB 2212 signed into law on March 16, 2023.
 - 1. Postpartum coverage for eligible members extended from 60 days to 12 months.
 - iv. Professional fee re-pricing impacts for July 2022 prepared by Conduent.
 - v. Inpatient DRG, outpatient APC, and professional fee re-pricing impacts for July 2023 prepared by Conduent.
 - vi. Estimates of uptake rates of certain gene therapies used to treat Hemophilia A, Hemophilia B, Sickle Cell Disease, Beta-Thalassemia, and Duchene Muscular Dystrophy.
 - vii. Confirmation that Zolgensma will be carved into the capitation rate for SFY 2024.
 - viii. Fee schedule updates for the following categories of service:
 - 1. Psychiatric Residential Treatment Facilities (PRTF) – January 2023 and January 2024
 - 2. Home Health Agency (HHA) – October 2022
 - 3. Prescribed Pediatric Extended Care (PPEC) – October 2022
 - 4. Private Duty Nursing (PDN) – October 2022
 - 5. Ambulatory Surgical Center (ASC) – January 2023 and October 2023

6. Autism Spectrum Disorder (ASD) – January 2023
7. Federally Qualified Health Centers (FQHC) – January 2023
8. Rural Health Clinics (RHC) – January 2023
9. Orthodontia Services – October 2023
10. Behavioral Health Services (BHS) – October 2023
11. MYPAC Services – November 2023

vii. 2021 fee schedules for the following categories of service:

1. Psychiatric Residential Treatment Facilities (PRTF)
2. Home Health Agency (HHA)
3. Prescribed Pediatric Extended Care (PPEC)
4. Private Duty Nursing (PDN)
5. Ambulatory Surgical Center (ASC)
6. Autism Spectrum Disorder (ASD)
7. Federally Qualified Health Centers (FQHC)
8. Rural Health Clinics (RHC)
9. Behavioral Health Services (BHS)
10. MYPAC Services

c. Directed payments:

- i. SFY 2024 Mississippi Hospital Access Program (MHAP) total funding amount of \$1,522,313,885 along with splits for a quality incentive payment pool (QIPP) amount of \$788,549,237, the inpatient fee schedule adjustment (FSA) amount of \$488,253,899, and the outpatient FSA amount of \$245,510,749 to be used in capitation rate development.
- ii. SFY 2024 Mississippi Medicaid Access to Physician Services (MAPS) funding amount of \$39,420,290.
- iii. SFY 2024 Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) funding amount of \$20,616,966.

d. Historical data:

- i. Files summarizing individuals in the Non-Newborn SSI / Disabled rate cell moved to FFS due to a PRTF stay in CY 2021.
- ii. MLR reports through December 2022.
- iii. Capitation reports showing monthly membership through June 2024.

e. Other data:

- i. Quality withhold parameters for SFY 2024.
- ii. Program risk corridor parameters for SFY 2024.
- iii. High-cost drug risk corridor parameters for SFY 2024.
- iv. Other computer files and clarifying correspondence.

Jill A. Bruckert, FSA, MAAA
Milliman, Inc.
October 11, 2024
Page 4 of 4

Milliman relied on DOM and their prior MMIS vendor for the collection and processing of the CCO encounter data. Milliman relied on Myers and Stauffer’s review of encounter data for duplicative or voided claims. Milliman relied on the CCOs to provide accurate CY 2021 financial data as certified by each CCO. Milliman did not audit the CCO financial data, or the encounter data, but did assess the data for reasonableness as documented in the capitation rate report.

Jennifer Westworth

Name
Deputy Administrator for Finance
Title
October 11, 2024
Date
10/11/2024 4:07:52 PM CDT

For more information about Milliman,
please visit us at:

milliman.com



Milliman is among the world's largest providers of actuarial and related products and services. The firm has consulting practices in life insurance and financial services, property & casualty insurance, healthcare, and employee benefits. Founded in 1947, Milliman is an independent firm with offices in major cities around the globe.

milliman.com

CONTACTS

Jill Bruckert
jill.bruckert@milliman.com

Katarina Lorenz
katarina.lorenz@milliman.com

Caveats and Limitations
Mississippi Division of Medicaid
READ BEFORE PROCEEDING

Milliman has developed certain models to estimate the values included in these exhibits and appendices. The intent of the models was to estimate SFY 2024 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial exhibits and appendices from January 2021 to December 2021 with runout through April 2022, historical and projected reimbursement information, TPL recoveries, fee schedules, pharmacy and dispensing fee pricing, and other information from DOM, MississippiCAN CCOs, Myers and Stauffer, Change Healthcare, and CMS to calculate the preliminary MississippiCAN capitation rates shown in these exhibits and appendices. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2024 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our exhibits and appendices are intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2024. The exhibits and appendices and the models used to develop the values in these exhibits and appendices may not be appropriate for other purposes. We anticipate the exhibits and appendices will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of these exhibits and appendices are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of these exhibits and appendices are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, these exhibits and appendices are complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1
Mississippi Division of Medicaid
All Regions SFY 2024 MississippiCAN Capitation Rate Development
CY 2021 Encounter Data

Non-Newborn SSI / Disabled Rate Cell								
Calculation Step		Category of Service						
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2021 Member Months	745,652	745,652	745,652	745,652	745,652	745,652	745,652
b	Total Allowed Dollars	\$125,809,685	\$141,651,417	\$149,503,672	\$244,050,225	\$6,203,061	\$49,253,405	\$716,471,465
c = b / a	CY 2021 PMPM Costs	\$168.72	\$189.97	\$200.50	\$327.30	\$8.32	\$66.05	\$960.87
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.003	1.000	1.000	1.001
e	Non-Covered Services	1.000	1.000	0.987	0.979	1.000	1.000	0.990
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	0.995	1.000	1.000	1.000	1.000	1.000	0.999
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.040	1.000	1.001	1.000	1.002	1.000	1.007
j	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	0.999
l	Missing Data	1.002	1.003	1.002	1.003	1.003	1.108	1.010
m	IBNR Adjustment	1.042	1.003	1.002	1.000	1.001	1.003	1.009
Product of c through m Adjusted CY 2021 PMPM Costs		\$182.29	\$190.93	\$198.47	\$320.92	\$8.36	\$73.33	\$974.31

Breast and Cervical Cancer Rate Cell								
Calculation Step		Category of Service						
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2021 Member Months	1,708	1,708	1,708	1,708	1,708	1,708	1,708
b	Total Allowed Dollars	\$272,903	\$1,768,769	\$1,484,984	\$937,031	\$6,081	\$145,709	\$4,615,477
c = b / a	CY 2021 PMPM Costs	\$159.78	\$1,035.58	\$869.43	\$548.61	\$3.56	\$85.31	\$2,702.27
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.003	1.000	1.000	1.001
e	Non-Covered Services	1.000	1.000	0.994	0.986	1.000	1.000	0.995
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	0.999
l	Missing Data	1.002	1.002	1.002	1.003	1.004	1.067	1.004
m	IBNR Adjustment	1.057	1.003	1.003	1.000	1.001	1.002	1.006
Product of c through m Adjusted CY 2021 PMPM Costs		\$169.16	\$1,039.77	\$867.59	\$541.45	\$3.57	\$91.13	\$2,712.67

Exhibit 1
Mississippi Division of Medicaid
All Regions SFY 2024 MississippiCAN Capitation Rate Development
CY 2021 Encounter Data

MA Adult Rate Cell - Non-Deliveries								
Calculation Step		CY 2021 PMPM Cost Development	Category of Service					
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
a		CY 2021 Member Months	570,832	570,832	570,832	570,832	570,832	570,832
b		Total Allowed Dollars	\$23,924,109	\$53,122,375	\$63,394,718	\$64,635,824	\$2,908,628	\$6,781,206
c = b / a		CY 2021 PMPM Costs	\$41.91	\$93.06	\$111.06	\$113.23	\$5.10	\$11.88
d		Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.003	1.000	1.000
e		Non-Covered Services	1.000	1.000	0.985	0.984	1.000	1.000
f		TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999
g		IMD Removal	0.999	1.000	1.000	1.000	1.000	1.000
h		IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000
i		SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000
j		MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000
k		Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000
l		Missing Data	1.003	1.003	1.002	1.003	1.003	1.141
m		IBNR Adjustment	1.050	1.003	1.002	1.000	1.001	1.002
Product of c through m		Adjusted CY 2021 PMPM Costs	\$44.01	\$93.56	\$109.71	\$111.53	\$5.11	\$13.56
								\$377.48

MA Adult Rate Cell - Deliveries								
Calculation Step		CY 2021 PMPM Cost Development	Category of Service					
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
a		CY 2021 Member Months	570,832	570,832	570,832	570,832	570,832	570,832
b		Total Allowed Dollars	\$15,299,062	\$45,698	\$4,164,062	\$88,015	\$110	\$94,154
c = b / a		CY 2021 PMPM Costs	\$26.80	\$0.08	\$7.29	\$0.15	\$0.00	\$0.16
d		Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.002	1.000	1.000
e		Non-Covered Services	1.000	1.000	0.985	0.984	1.000	1.000
f		TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999
g		IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000
h		IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000
i		SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000
j		MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000
k		Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000
l		Missing Data	1.003	1.004	1.002	1.003	1.000	1.109
m		IBNR Adjustment	1.052	1.003	1.002	1.000	1.003	1.002
Product of c through m		Adjusted CY 2021 PMPM Costs	\$28.23	\$0.08	\$7.21	\$0.15	\$0.00	\$0.18
								\$35.85

PMPM costs are calculated using allowed amounts for 3,308 MA Adult deliveries and total MA Adult rate cell membership.

Exhibit 1
Mississippi Division of Medicaid
All Regions SFY 2024 MississippiCAN Capitation Rate Development
CY 2021 Encounter Data

Pregnant Women Rate Cell - Non-Deliveries								
Calculation Step		Category of Service						
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2021 Member Months	117,512	117,512	117,512	117,512	117,512	117,512	117,512
b	Total Allowed Dollars	\$3,243,075	\$11,816,037	\$21,602,905	\$4,651,709	\$424,147	\$1,053,858	\$42,791,731
c = b / a	CY 2021 PMPM Costs	\$27.60	\$100.55	\$183.84	\$39.58	\$3.61	\$8.97	\$364.15
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.002	1.000	1.000	1.000
e	Non-Covered Services	1.000	1.000	0.999	0.999	1.000	1.000	1.000
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	1.000
l	Missing Data	1.002	1.003	1.002	1.003	1.003	1.126	1.006
m	IBNR Adjustment	1.053	1.003	1.003	1.000	1.001	1.002	1.006
Product of c through m Adjusted CY 2021 PMPM Costs		\$29.09	\$101.08	\$184.47	\$39.51	\$3.62	\$10.11	\$367.87

Pregnant Women Rate Cell - Deliveries								
Calculation Step		Category of Service						
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2021 Member Months	117,512	117,512	117,512	117,512	117,512	117,512	117,512
b	Total Allowed Dollars	\$50,872,673	\$115,480	\$13,684,426	\$241,212	\$109	\$181,826	\$65,095,726
c = b / a	CY 2021 PMPM Costs ¹	\$432.91	\$0.98	\$116.45	\$2.05	\$0.00	\$1.55	\$553.95
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.002	1.000	1.000	1.000
e	Non-Covered Services	1.000	1.000	0.999	0.999	1.000	1.000	1.000
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	1.000
l	Missing Data	1.003	1.003	1.003	1.003	1.004	1.120	1.003
m	IBNR Adjustment	1.050	1.003	1.003	1.000	1.001	1.002	1.040
Product of c through m Adjusted CY 2021 PMPM Costs		\$455.44	\$0.99	\$116.86	\$2.05	\$0.00	\$1.73	\$577.08

PMPM costs are calculated using allowed amounts for 12,884 Pregnant Women deliveries and total Pregnant Women rate cell membership.

Exhibit 1

Mississippi Division of Medicaid

All Regions SFY 2024 MississippiCAN Capitation Rate Development

CY 2021 Encounter Data

SSI / Disabled Newborn Rate Cell									
Calculation Step		CY 2021 PMPM Cost Development	Category of Service						
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a		CY 2021 Member Months	5,146	5,146	5,146	5,146	5,146	5,146	5,146
b		Total Allowed Dollars	\$20,232,119	\$1,108,219	\$8,274,569	\$3,083,084	\$3,972	\$1,274,692	\$33,976,655
c = b / a		CY 2021 PMPM Costs	\$3,931.62	\$215.36	\$1,607.96	\$599.12	\$0.77	\$247.71	\$6,602.54
d		Pharmacy Rate Freeze Repricing	1,000	1,000	1,000	1,003	1,000	1,000	1,000
e		Non-Covered Services	1,000	1,000	1,000	1,000	1,000	1,000	1,000
f		TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g		IMD Removal	1,000	1,000	1,000	1,000	1,000	1,000	1,000
h		IMD Additions	1,000	1,000	1,000	1,000	1,000	1,000	1,000
i		SSI Children - COE Change	1,000	1,000	1,000	1,000	1,000	1,000	1,000
j		MYPAC Member Identification Change	1,000	1,000	1,000	1,000	1,000	1,000	1,000
k		Drug Services Rebate Adjustment	1,000	1,000	1,000	0.996	1,000	1,000	1,000
l		Missing Data	1.003	1.003	1.002	1.002	1.001	1.021	1.003
m		IBNR Adjustment	1.052	1.004	1.003	1.000	1.001	1.002	1.032
Product of c through m		Adjusted CY 2021 PMPM Costs	\$4,143.17	\$216.57	\$1,614.00	\$598.78	\$0.77	\$253.28	\$6,826.57

Non-SSI Newborns 0 to 2 Months Rate Cell									
Calculation Step		CY 2021 PMPM Cost Development	Category of Service						
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a		CY 2021 Member Months	70,289	70,289	70,289	70,289	70,289	70,289	70,289
b		Total Allowed Dollars	\$92,607,914	\$3,570,419	\$25,757,273	\$797,579	\$41,723	\$912,987	\$123,687,896
c = b / a		CY 2021 PMPM Costs¹	\$1,317.53	\$50.80	\$366.45	\$11.35	\$0.59	\$12.99	\$1,759.70
d		Pharmacy Rate Freeze Repricing	1,000	1,000	1,000	1,002	1,000	1,000	1,000
e		Non-Covered Services	1,000	1,000	1,000	1,000	1,000	1,000	1,000
f		TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g		IMD Removal	1,000	1,000	1,000	1,000	1,000	1,000	1,000
h		IMD Additions	1,000	1,000	1,000	1,000	1,000	1,000	1,000
i		SSI Children - COE Change	1,000	1,000	1,000	1,000	1,000	1,000	1,000
j		MYPAC Member Identification Change	1,000	1,000	1,000	1,000	1,000	1,000	1,000
k		Drug Services Rebate Adjustment	1,000	1,000	1,000	0.996	1,000	1,000	1,000
l		Missing Data	1.003	1.004	1.003	1.003	1.001	1.109	1.003
m		IBNR Adjustment	1.049	1.004	1.003	1.000	1.001	1.002	1.038
Product of c through m		Adjusted CY 2021 PMPM Costs	\$1,384.51	\$51.10	\$368.23	\$11.35	\$0.59	\$14.41	\$1,830.20

Exhibit 1

Mississippi Division of Medicaid

All Regions SFY 2024 MississippiCAN Capitation Rate Development

CY 2021 Encounter Data

Non-SSI Newborns 3 to 12 Months Rate Cell								
Calculation Step		Category of Service						
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2021 Member Months	238,386	238,386	238,386	238,386	238,386	238,386	238,386
b	Total Allowed Dollars	\$6,486,737	\$12,060,904	\$26,365,532	\$5,639,218	\$259,455	\$1,414,688	\$52,226,533
c = b / a	CY 2021 PMPM Costs	\$27.21	\$50.59	\$110.60	\$23.66	\$1.09	\$5.93	\$219.08
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.002	1.000	1.000	1.000
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	1.000
l	Missing Data	1.003	1.003	1.002	1.003	1.000	1.245	1.009
m	IBNR Adjustment	1.054	1.004	1.003	1.000	1.001	1.002	1.009
Product of c through m Adjusted CY 2021 PMPM Costs		\$28.72	\$50.87	\$111.04	\$23.66	\$1.09	\$7.40	\$222.78

Foster Care Rate Cell								
Calculation Step		Category of Service						
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2021 Member Months	79,772	79,772	79,772	79,772	79,772	79,772	79,772
b	Total Allowed Dollars	\$18,414,424	\$3,409,670	\$10,286,764	\$7,135,304	\$1,987,397	\$1,292,884	\$42,526,442
c = b / a	CY 2021 PMPM Costs	\$230.84	\$42.74	\$128.95	\$89.45	\$24.91	\$16.21	\$533.10
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.004	1.000	1.000	1.001
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	MYPAC Member Identification Change	0.999	1.000	0.995	0.999	0.999	1.000	0.998
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	0.999
l	Missing Data	1.000	1.002	1.001	1.002	1.002	1.448	1.015
m	IBNR Adjustment	1.024	1.004	1.003	1.000	1.001	1.006	1.012
Product of c through m Adjusted CY 2021 PMPM Costs		\$235.89	\$42.95	\$128.59	\$89.51	\$24.93	\$23.58	\$545.45

Exhibit 1

Mississippi Division of Medicaid

All Regions SFY 2024 MississippiCAN Capitation Rate Development

CY 2021 Encounter Data

MYPAC Rate Cell								
Calculation Step		CY 2021 PMPM Cost Development	Category of Service					
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
a		CY 2021 Member Months	9,969	9,969	9,969	9,969	9,969	9,969
b		Total Allowed Dollars	\$4,084,800	\$609,340	\$23,898,251	\$1,777,312	\$300,649	\$217,533
c = b / a		CY 2021 PMPM Costs	\$409.75	\$61.12	\$2,397.26	\$178.28	\$30.16	\$21.82
d		Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.004	1.000	1.000
e		Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000
f		TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999
g		IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000
h		IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000
i		SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000
j		MYPAC Member Identification Change	1.025	1.020	1.008	1.009	1.007	1.009
k		Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000
l		Missing Data	1.000	1.006	1.000	1.002	1.001	1.130
m		IBNR Adjustment	1.236	1.013	1.002	1.000	1.000	1.002
Product of c through m		Adjusted CY 2021 PMPM Costs	\$518.77	\$63.45	\$2,418.41	\$180.04	\$30.37	\$24.91

MA Children Rate Cell								
Calculation Step		CY 2021 PMPM Cost Development	Category of Service					
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
a		CY 2021 Member Months	3,350,545	3,350,545	3,350,545	3,350,545	3,350,545	3,350,545
b		Total Allowed Dollars	\$53,925,025	\$98,194,951	\$194,577,732	\$96,386,398	\$71,343,280	\$16,180,279
c = b / a		CY 2021 PMPM Costs	\$16.09	\$29.31	\$58.07	\$28.77	\$21.29	\$4.83
d		Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.003	1.000	1.000
e		Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000
f		TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999
g		IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000
h		IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000
i		SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000
j		MYPAC Member Identification Change	0.999	1.000	1.000	1.000	1.000	1.000
k		Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000
l		Missing Data	1.002	1.004	1.002	1.003	1.003	1.392
m		IBNR Adjustment	1.035	1.003	1.002	1.000	1.001	1.001
Product of c through m		Adjusted CY 2021 PMPM Costs	\$16.65	\$29.49	\$58.23	\$28.80	\$21.35	\$6.72

Exhibit 1
Mississippi Division of Medicaid
All Regions SFY 2024 MississippiCAN Capitation Rate Development
CY 2021 Encounter Data

Quasi-CHIP Rate Cell								
Calculation Step	CY 2021 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2021 Member Months	348,610	348,610	348,610	348,610	348,610	348,610	348,610
b	Total Allowed Dollars	\$5,834,116	\$8,502,417	\$19,428,586	\$13,445,110	\$9,790,370	\$2,064,579	\$59,065,178
c = b / a	CY 2021 PMPM Costs	\$16.74	\$24.39	\$55.73	\$38.57	\$28.08	\$5.92	\$169.43
d	Pharmacy Rate Freeze Repricing	1.000	1.000	1.000	1.003	1.000	1.000	1.001
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
g	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	0.999
l	Missing Data	1.002	1.005	1.002	1.003	1.004	1.308	1.014
m	IBNR Adjustment	1.039	1.003	1.002	1.000	1.001	1.001	1.005
Product of c through m Adjusted CY 2021 PMPM Costs		\$17.40	\$24.55	\$55.88	\$38.61	\$28.18	\$7.74	\$172.36

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions								
Non-Newborn SSI / Disabled Rate Cell								
		Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
Calculation Step	SFY 2024 PMPM Cost Development							
a	Base Period Summaries							
	CY 2021 PMPM Costs	\$182.29	\$190.93	\$198.47	\$320.92	\$8.36	\$73.33	\$974.31
b	Trends							
	Utilization Trend Factors CY 2021 to SFY 2024	1.077	1.103	1.130	1.025	1.000	1.130	1.079
c	Charge Trend Factors CY 2021 to SFY 2024	0.957	1.039	1.062	1.103	1.012	1.065	1.051
d	Seasonal Virus Adjustment	0.964	0.991	0.992	0.998	1.000	0.997	0.990
e	Population Changes							
	Acuity Adjustment: Shift to FFS	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Acuity Adjustment: PHE Unwind	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Hemophilia Population Carve-In	1.000	1.000	1.000	1.040	1.000	1.002	1.013
i	Program Changes							
	PDL Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	0.999
j	Obesity Drug Coverage	1.000	1.000	1.000	1.007	1.000	1.000	1.002
k	Obesity Drug Coverage Savings	0.998	0.998	0.998	0.998	0.998	0.998	0.998
l	Gene Therapy Drug Coverage	1.031	1.000	1.000	1.204	1.000	1.000	1.074
m	Gene Therapy Drug Coverage Savings	1.000	1.000	1.000	0.998	1.000	1.000	0.999
n	Insulin Price Reduction	1.000	1.000	1.000	0.968	1.000	1.000	0.988
o	Reimbursement Changes							
	5% Assessment Removal Adjustment	1.000	1.003	1.008	1.000	1.024	1.019	1.004
p	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.037	1.000	1.000
q	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.018	1.000	1.000
Product of a through q		Projected SFY 2024 PMPM Costs	\$186.40	\$217.14	\$237.86	\$438.09	\$9.14	\$89.68
								\$1,178.31

			Breast and Cervical Cancer Rate Cell							
			Category of Service							
Calculation Step		SFY 2024 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total	
a	Base Period Summaries									
	CY 2021 PMPM Costs		\$169.16	\$1,039.77	\$867.59	\$541.45	\$3.57	\$91.13	\$2,712.67	
b	Trends									
	Utilization Trend Factors CY 2021 to SFY 2024		1.077	1.103	1.130	1.025	1.000	1.130	1.095	
c	Charge Trend Factors CY 2021 to SFY 2024		0.955	1.039	1.054	1.103	1.000	1.054	1.051	
d	Seasonal Virus Adjustment		0.979	0.998	0.998	0.999	1.000	0.999	0.997	
e	Population Changes									
	Acuity Adjustment: Shift to FFS		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
f	Acuity Adjustment: PHE Unwind		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
h	Hemophilia Population Carve-In		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
i	Program Changes									
	PDL Adjustment		1.000	1.000	1.000	0.996	1.000	1.000	0.999	
j	Obesity Drug Coverage		1.000	1.000	1.000	1.009	1.000	1.000	1.002	
k	Obesity Drug Coverage Savings		0.999	0.999	0.999	0.999	0.999	0.999	0.999	
l	Gene Therapy Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
n	Insulin Price Reduction		1.000	1.000	1.000	0.995	1.000	1.000	0.999	
o	Reimbursement Changes									
	5% Assessment Removal Adjustment		1.000	1.000	1.002	1.000	1.024	1.013	1.001	
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.049	1.000	1.000	
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Product of a through q			Projected SFY 2024 PMPM Costs	\$169.99	\$1,188.20	\$1,031.74	\$611.17	\$3.83	\$109.67	\$3,114.60

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions								
MA Adult Rate Cell - Non-Deliveries								
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service					Total
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	
a	Base Period Summaries							
	CY 2021 PMPM Costs		\$44.01	\$93.56	\$109.71	\$111.53	\$5.11	\$13.56
\$377.48								
b	Trends							
	Utilization Trend Factors CY 2021 to SFY 2024		1.077	1.077	1.077	1.025	1.000	1.077
1.060								
c	Charge Trend Factors CY 2021 to SFY 2024		1.039	1.053	1.073	1.103	1.000	1.057
1.071								
d	Seasonal Virus Adjustment		0.925	0.981	0.983	0.998	1.000	0.994
0.981								
e	Population Changes							
	Acuity Adjustment: Shift to FFS		1.092	1.084	1.086	1.138	1.059	1.067
1.101								
f	Acuity Adjustment: PHE Unwind		0.987	0.987	0.987	0.987	0.987	0.987
0.987								
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
h	Hemophilia Population Carve-In		1.001	1.001	1.001	1.004	1.000	1.000
1.002								
i	Program Changes							
	PDL Adjustment		1.000	1.000	1.000	0.996	1.000	1.000
0.999								
j	Obesity Drug Coverage		1.000	1.000	1.000	1.022	1.000	1.000
1.007								
k	Obesity Drug Coverage Savings		0.995	0.995	0.995	0.995	0.995	0.995
0.995								
l	Gene Therapy Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
n	Insulin Price Reduction		1.000	1.000	1.000	0.982	1.000	1.000
0.994								
o	Reimbursement Changes							
	5% Assessment Removal Adjustment		1.000	1.000	1.009	1.000	1.028	1.023
1.004								
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.035	1.000
1.000								
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.001	1.000
1.000								
Product of a through q	Projected SFY 2024 PMPM Costs		\$48.86	\$110.78	\$134.02	\$141.03	\$5.66	\$16.45
\$456.80								

MA Adult Rate Cell - Deliveries								
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service					Total
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	
a	Base Period Summaries							
	CY 2021 PMPM Costs		\$28.23	\$0.08	\$7.21	\$0.15	\$0.00	\$0.18
\$35.85								
b	Trends							
	Utilization Trend Factors CY 2021 to SFY 2024		1.077	1.077	1.077	1.025	1.000	1.077
1.076								
c	Charge Trend Factors CY 2021 to SFY 2024		1.039	1.053	1.073	1.103	1.000	1.057
1.046								
d	Seasonal Virus Adjustment		0.925	0.981	0.983	0.998	1.000	0.994
0.938								
e	Population Changes							
	Acuity Adjustment: Shift to FFS		1.092	1.084	1.086	1.138	1.059	1.067
1.091								
f	Acuity Adjustment: PHE Unwind		0.987	0.987	0.987	0.987	0.987	0.987
0.987								
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
h	Hemophilia Population Carve-In		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
i	Program Changes							
	PDL Adjustment		1.000	1.000	1.000	0.999	1.000	1.000
1.000								
j	Obesity Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
k	Obesity Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
l	Gene Therapy Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000
1.000								
n	Insulin Price Reduction		1.000	1.000	1.000	0.982	1.000	1.000
1.000								
o	Reimbursement Changes							
	5% Assessment Removal Adjustment		1.000	1.000	1.004	1.000	1.000	1.024
1.001								
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.030	1.000
1.000								
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.001	1.000
1.000								
Product of a through q	Projected SFY 2024 PMPM Costs		\$31.47	\$0.10	\$8.80	\$0.19	\$0.00	\$0.22
\$40.77								

PMPM costs are calculated using allowed amounts for 3,308 MA Adult deliveries and total MA Adult rate cell membership in 2021.

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions									
Pregnant Women Rate Cell - Non-Deliveries									
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service					Total	
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental		Other
a	Base Period Summaries	CY 2021 PMPM Costs	\$29.09	\$101.08	\$184.47	\$39.51	\$3.62	\$10.11	\$367.87
b	Trends	Utilization Trend Factors CY 2021 to SFY 2024	1.130	1.130	1.157	1.025	1.000	1.157	1.132
c		Charge Trend Factors CY 2021 to SFY 2024	1.039	1.052	1.073	1.103	1.001	1.057	1.066
d		Seasonal Virus Adjustment	0.892	0.983	0.990	0.993	1.000	0.993	0.981
e	Population Changes	Acuity Adjustment: Shift to FFS	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f		Acuity Adjustment: PHE Unwind	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g		Postpartum Coverage Extension	0.784	0.784	0.784	0.784	0.784	0.784	0.784
h		Hemophilia Population Carve-In	1.001	1.000	1.000	1.000	1.000	1.000	1.000
i	Program Changes	PDL Adjustment	1.000	1.000	1.000	0.996	1.000	1.000	1.000
j		Obesity Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k		Obesity Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l		Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m		Gene Therapy Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n		Insulin Price Reduction	1.000	1.000	1.000	0.978	1.000	1.000	0.998
o	Reimbursement Changes	5% Assessment Removal Adjustment	1.000	1.000	1.005	1.000	1.027	1.020	1.003
p		Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.042	1.000	1.000
q		Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.010	1.000	1.000
Product of a through q			\$23.88	\$92.56	\$178.45	\$33.83	\$3.07	\$9.81	\$341.61

Pregnant Women Rate Cell - Deliveries									
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service					Total	
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental		Other
a	Base Period Summaries	CY 2021 PMPM Costs	\$455.44	\$0.99	\$116.86	\$2.05	\$0.00	\$1.73	\$577.08
b	Trends	Utilization Trend Factors CY 2021 to SFY 2024	1.077	1.077	1.077	1.025	1.000	1.077	1.077
c		Charge Trend Factors CY 2021 to SFY 2024	1.039	1.052	1.073	1.103	1.001	1.057	1.046
d		Seasonal Virus Adjustment	0.892	0.983	0.990	0.993	1.000	0.993	0.913
e	Population Changes	Acuity Adjustment: Shift to FFS	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f		Acuity Adjustment: PHE Unwind	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g		Postpartum Coverage Extension	0.517	0.517	0.517	0.517	0.517	0.517	0.517
h		Hemophilia Population Carve-In	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Program Changes	PDL Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
j		Obesity Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k		Obesity Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l		Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m		Gene Therapy Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n		Insulin Price Reduction	1.000	1.000	1.000	0.978	1.000	1.000	1.000
o	Reimbursement Changes	5% Assessment Removal Adjustment	1.000	1.000	1.004	1.000	1.025	1.029	1.001
p		Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.044	1.000	1.000
q		Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.009	1.000	1.000
Product of a through q			\$234.85	\$0.57	\$69.35	\$1.16	\$0.00	\$1.04	\$306.98

PMPM costs are calculated using allowed amounts for 12,884 Pregnant Women deliveries and total Pregnant Women rate cell membership in 2021.

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions									
SSI / Disabled Newborn Rate Cell									
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service						
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	Base Period Summaries								
	CY 2021 PMPM Costs		\$4,143.17	\$216.57	\$1,614.00	\$598.78	\$0.77	\$253.28	\$6,826.57
b	Trends								
	Utilization Trend Factors CY 2021 to SFY 2024		1.000	1.077	1.103	1.025	1.000	1.103	1.033
c	Charge Trend Factors CY 2021 to SFY 2024		1.086	1.069	1.024	1.064	1.000	1.078	1.067
d	Seasonal Virus Adjustment		1.000	0.998	1.000	0.999	1.000	1.000	1.000
	Population Changes								
e	Acuity Adjustment: Shift to FFS		1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Acuity Adjustment: PHE Unwind		1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Hemophilia Population Carve-In		1.000	1.000	1.000	1.000	1.000	1.000	1.000
	Program Changes								
i	PDL Adjustment		1.000	1.000	1.000	0.974	1.000	1.000	0.998
j	Obesity Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Obesity Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	Gene Therapy Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Insulin Price Reduction		1.000	1.000	1.000	1.000	1.000	1.000	1.000
	Reimbursement Changes								
o	5% Assessment Removal Adjustment		1.000	1.000	1.002	1.000	1.014	1.027	1.002
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.107	1.000	1.000
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through q			\$4,497.63	\$248.94	\$1,827.53	\$635.82	\$0.87	\$309.50	\$7,520.28
Non-SSI Newborns 0 to 2 Months Rate Cell									
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service						
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	Base Period Summaries								
	CY 2021 PMPM Costs		\$1,384.51	\$51.10	\$368.23	\$11.35	\$0.59	\$14.41	\$1,830.20
b	Trends								
	Utilization Trend Factors CY 2021 to SFY 2024		1.000	1.077	1.103	1.025	1.000	1.103	1.024
c	Charge Trend Factors CY 2021 to SFY 2024		1.086	1.065	1.020	1.064	1.000	1.047	1.070
d	Seasonal Virus Adjustment		1.000	0.992	0.999	0.966	1.000	0.999	0.999
	Population Changes								
e	Acuity Adjustment: Shift to FFS		1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Acuity Adjustment: PHE Unwind		1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Hemophilia Population Carve-In		1.000	1.000	1.000	1.000	1.000	1.000	1.000
	Program Changes								
i	PDL Adjustment		1.000	1.000	1.000	0.974	1.000	1.000	1.000
j	Obesity Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	Obesity Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	Gene Therapy Drug Coverage		1.000	1.000	1.000	3.846	1.000	1.000	1.017
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Insulin Price Reduction		1.000	1.000	1.000	1.000	1.000	1.000	1.000
	Reimbursement Changes								
o	5% Assessment Removal Adjustment		1.000	1.000	1.005	1.000	1.008	1.022	1.001
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.095	1.000	1.000
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through q			\$1,502.66	\$58.12	\$415.80	\$44.83	\$0.66	\$17.00	\$2,039.06

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions								
Non-SSI Newborns 3 to 12 Months Rate Cell								
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service					Total
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	
a	Base Period Summaries	CY 2021 PMPM Costs	\$28.72	\$50.87	\$111.04	\$23.66	\$1.09	\$7.40
b	Trends	Utilization Trend Factors CY 2021 to SFY 2024	1.000	1.077	1.103	1.025	1.000	1.103
c		Charge Trend Factors CY 2021 to SFY 2024	0.974	1.065	1.074	1.064	1.000	1.046
d		Seasonal Virus Adjustment	0.984	0.992	0.997	0.984	1.000	0.999
e	Population Changes	Acuity Adjustment: Shift to FFS	1.000	1.000	1.000	1.000	1.000	1.000
f		Acuity Adjustment: PHE Unwind	1.000	1.000	1.000	1.000	1.000	1.000
g		Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
h		Hemophilia Population Carve-In	1.000	1.000	1.000	1.000	1.000	1.000
i	Program Changes	PDL Adjustment	1.000	1.000	1.000	0.974	1.000	1.000
j		Obesity Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000
k		Obesity Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000
l		Gene Therapy Drug Coverage	1.000	1.000	1.000	1.389	1.000	1.000
m		Gene Therapy Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000
n		Insulin Price Reduction	1.000	1.000	1.000	1.000	1.000	1.000
o	Reimbursement Changes	5% Assessment Removal Adjustment	1.000	1.000	1.010	1.000	1.018	1.025
p		Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.108	1.000
q		Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through q		Projected SFY 2024 PMPM Costs	\$27.53	\$57.84	\$132.52	\$34.36	\$1.23	\$8.73
\$262.22								
Foster Care Rate Cell								
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service					Total
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	
a	Base Period Summaries	CY 2021 PMPM Costs	\$235.89	\$42.95	\$128.59	\$89.51	\$24.93	\$23.58
b	Trends	Utilization Trend Factors CY 2021 to SFY 2024	1.077	1.077	1.103	1.025	1.000	1.103
c		Charge Trend Factors CY 2021 to SFY 2024	1.142	1.068	1.070	1.064	1.021	1.064
d		Seasonal Virus Adjustment	1.000	1.003	1.001	1.000	1.000	1.000
e	Population Changes	Acuity Adjustment: Shift to FFS	1.000	1.000	1.000	1.000	1.000	1.000
f		Acuity Adjustment: PHE Unwind	1.000	1.000	1.000	1.000	1.000	1.000
g		Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
h		Hemophilia Population Carve-In	0.999	1.000	1.000	1.065	1.000	0.999
i	Program Changes	PDL Adjustment	1.000	1.000	1.000	0.974	1.000	1.000
j		Obesity Drug Coverage	1.000	1.000	1.000	1.010	1.000	1.000
k		Obesity Drug Coverage Savings	0.999	0.999	0.999	0.999	0.999	0.999
l		Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000
m		Gene Therapy Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000
n		Insulin Price Reduction	1.000	1.000	1.000	0.992	1.000	1.000
o	Reimbursement Changes	5% Assessment Removal Adjustment	1.000	1.001	1.015	1.000	1.025	1.024
p		Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.043	1.000
q		Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.025	1.000
Product of a through q		Projected SFY 2024 PMPM Costs	\$289.31	\$49.53	\$153.95	\$101.34	\$27.87	\$28.29
								\$650.29

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions									
MYPAC Rate Cell									
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service						
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	Base Period Summaries								
	CY 2021 PMPM Costs		\$518.77	\$63.45	\$2,418.41	\$180.04	\$30.37	\$24.91	\$3,235.96
b	Trends								
	Utilization Trend Factors CY 2021 to SFY 2024		1.077	1.077	1.006	1.025	1.000	1.103	1.020
c	Charge Trend Factors CY 2021 to SFY 2024		1.030	1.066	1.051	1.064	1.024	1.032	1.048
d	Seasonal Virus Adjustment		1.000	1.002	1.000	1.000	1.000	1.000	1.000
	Population Changes								
e	Acuity Adjustment: Shift to FFS		1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Acuity Adjustment: PHE Unwind		1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Hemophilia Population Carve-In		1.000	1.000	1.000	1.000	1.000	1.000	1.000
	Program Changes								
i	PDL Adjustment		1.000	1.000	1.000	0.974	1.000	1.000	0.999
j	Obesity Drug Coverage		1.000	1.000	1.000	1.008	1.000	1.000	1.000
k	Obesity Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	Gene Therapy Drug Coverage		1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Insulin Price Reduction		1.000	1.000	1.000	0.996	1.000	1.000	1.000
	Reimbursement Changes								
o	5% Assessment Removal Adjustment		1.000	1.000	1.029	1.000	1.027	1.021	1.022
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.037	1.000	1.000
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.025	1.000	1.000
Product of a through q			\$575.37	\$72.92	\$2,632.17	\$192.01	\$33.94	\$28.95	\$3,535.36

MA Children Rate Cell									
MA Children Rate Cell									
Calculation Step		SFY 2024 PMPM Cost Development	Category of Service						
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	Base Period Summaries								
	CY 2021 PMPM Costs		\$16.65	\$29.49	\$58.23	\$28.80	\$21.35	\$6.72	\$161.23
b	Trends								
	Utilization Trend Factors CY 2021 to SFY 2024		1.077	1.077	1.103	1.025	1.000	1.103	1.068
c	Charge Trend Factors CY 2021 to SFY 2024		1.032	1.066	1.072	1.064	1.020	1.036	1.057
d	Seasonal Virus Adjustment		1.002	1.004	1.003	1.001	1.000	1.000	1.002
	Population Changes								
e	Acuity Adjustment: Shift to FFS		1.125	1.028	1.061	1.129	1.088	1.060	1.076
f	Acuity Adjustment: PHE Unwind		1.023	1.023	1.023	1.023	1.023	1.023	1.023
g	Postpartum Coverage Extension		1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Hemophilia Population Carve-In		1.000	1.001	1.000	1.017	1.000	1.000	1.003
	Program Changes								
i	PDL Adjustment		1.000	1.000	1.000	0.974	1.000	1.000	0.995
j	Obesity Drug Coverage		1.000	1.000	1.000	1.036	1.000	1.000	1.006
k	Obesity Drug Coverage Savings		0.995	0.995	0.995	0.995	0.995	0.995	0.995
l	Gene Therapy Drug Coverage		1.003	1.000	1.000	1.043	1.000	1.000	1.008
m	Gene Therapy Drug Coverage Savings		1.000	1.000	1.000	0.998	1.000	1.000	1.000
n	Insulin Price Reduction		1.000	1.000	1.000	0.981	1.000	1.000	0.996
	Reimbursement Changes								
o	5% Assessment Removal Adjustment		1.000	1.001	1.011	1.000	1.026	1.023	1.008
p	Preventative and Diagnostic Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.039	1.000	1.005
q	Restorative Dental Reimbursement Change		1.000	1.000	1.000	1.000	1.029	1.000	1.004
Product of a through q			\$21.30	\$35.60	\$75.43	\$37.88	\$26.44	\$8.48	\$205.13

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2024 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions								
Quasi-CHIP Rate Cell								
		Category of Service						
Calculation Step	SFY 2024 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
	Base Period Summaries							
a	CY 2021 PMPM Costs	\$17.40	\$24.55	\$55.88	\$38.61	\$28.18	\$7.74	\$172.36
	Trends							
b	Utilization Trend Factors CY 2021 to SFY 2024	1.077	1.077	1.103	1.025	1.000	1.103	1.062
c	Charge Trend Factors CY 2021 to SFY 2024	1.028	1.066	1.072	1.064	1.029	1.033	1.056
d	Seasonal Virus Adjustment	1.002	1.005	1.003	1.001	1.000	1.000	1.002
	Population Changes							
e	Acuity Adjustment: Shift to FFS	1.125	1.028	1.061	1.129	1.088	1.060	1.081
f	Acuity Adjustment: PHE Unwind	1.023	1.023	1.023	1.023	1.023	1.023	1.023
g	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Hemophilia Population Carve-In	1.000	1.000	1.000	1.014	1.000	1.000	1.003
	Program Changes							
i	PDL Adjustment	1.000	1.000	1.000	0.974	1.000	1.000	0.994
j	Obesity Drug Coverage	1.000	1.000	1.000	1.040	1.000	1.000	1.009
k	Obesity Drug Coverage Savings	0.993	0.993	0.993	0.993	0.993	0.993	0.993
l	Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	Gene Therapy Drug Coverage Savings	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Insulin Price Reduction	1.000	1.000	1.000	0.977	1.000	1.000	0.995
	Reimbursement Changes							
o	5% Assessment Removal Adjustment	1.000	1.000	1.011	1.000	1.026	1.025	1.009
p	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.038	1.000	1.006
q	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.020	1.000	1.003
Product of a through q	Projected SFY 2024 PMPM Costs	\$22.05	\$29.57	\$72.26	\$48.53	\$34.83	\$9.74	\$216.99

Exhibit 2B
Mississippi Division of Medicaid
All Regions SFY 2024 MississippiCAN Capitation Rate Development
MA Adult and Pregnant Women Aggregate Service PMPMs

MA Adult Rate Cell							
Projected SFY 2024 PMPM Cost Development	Category of Service						
	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
Projected SFY 2024 PMPM Costs Net of Deliveries	\$48.86	\$110.78	\$134.02	\$141.03	\$5.66	\$16.45	\$456.80
Projected Delivery Costs PMPM	\$31.47	\$0.10	\$8.80	\$0.19	\$0.00	\$0.22	\$40.77
Projected SFY 2024 PMPM Costs Including Deliveries	\$80.32	\$110.88	\$142.82	\$141.22	\$5.66	\$16.67	\$497.58

¹ PMPM costs are calculated using allowed amounts for 3,308 MA Adult deliveries in 2021.

Exhibit 2B
Mississippi Division of Medicaid
All Regions SFY 2024 MississippiCAN Capitation Rate Development
MA Adult and Pregnant Women Aggregate Service PMPMs

Pregnant Women Rate Cell							
Projected SFY 2024 PMPM Cost Development	Category of Service						
	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
Projected SFY 2024 PMPM Costs Net of Deliveries	\$23.88	\$92.56	\$178.45	\$33.83	\$3.07	\$9.81	\$341.61
Projected Delivery Costs PMPM	\$234.85	\$0.57	\$69.35	\$1.16	\$0.00	\$1.04	\$306.98
Projected SFY 2024 PMPM Costs Including Deliveries	\$258.73	\$93.13	\$247.80	\$34.99	\$3.07	\$10.85	\$648.58

¹ PMPM costs are calculated using allowed amounts for 12,884 Pregnant Women deliveries in 2021.

Exhibit 3 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Statewide Non-Service Expense Allocation Development										
	a	b	c	d	e = d × j	f	g = f × j	h	i = h × j	j = (b + c) / (1 - d - f - h)
Rate Cell	Projected SFY 2024 Membership	SFY 2024 PMPM Cost	Fixed Non-Service Expense Load	Non-Service Percentage	Non-Service PMPM	Margin Percentage	Margin PMPM	Premium Tax Percentage	Premium Tax PMPM	Total
Non-Newborn SSI / Disabled	713,375	\$1,178.31	\$11.17	5.11%	\$67.51	1.80%	\$23.77	3.00%	\$39.61	\$1,320.36
Breast and Cervical Cancer	947	\$3,114.60	\$11.17	5.11%	\$177.40	1.80%	\$62.45	3.00%	\$104.09	\$3,469.71
MA Adult	551,911	\$497.58	\$11.17	5.11%	\$28.87	1.80%	\$10.17	3.00%	\$16.94	\$564.73
Pregnant Women	175,053	\$648.58	\$11.17	5.11%	\$37.44	1.80%	\$13.18	3.00%	\$21.97	\$732.35
SSI / Disabled Newborn	7,065	\$7,520.28	\$11.17	5.11%	\$427.43	1.80%	\$150.48	3.00%	\$250.81	\$8,360.17
Non-SSI Newborns 0 to 2 Months	67,950	\$2,039.06	\$11.17	5.11%	\$116.36	1.80%	\$40.96	3.00%	\$68.27	\$2,275.83
Non-SSI Newborns 3 to 12 Months	234,084	\$262.22	\$11.17	5.11%	\$15.52	1.80%	\$5.46	3.00%	\$9.10	\$303.48
Foster Care	90,993	\$650.29	\$11.17	5.11%	\$37.54	1.80%	\$13.22	3.00%	\$22.03	\$734.25
MYPAC	13,368	\$3,535.36	\$11.17	5.11%	\$201.27	1.80%	\$70.86	3.00%	\$118.10	\$3,936.78
MA Children	2,821,371	\$205.13	\$11.17	5.11%	\$12.28	1.80%	\$4.32	3.00%	\$7.20	\$240.10
Quasi-CHIP	319,128	\$216.99	\$11.17	5.11%	\$12.95	1.80%	\$4.56	3.00%	\$7.60	\$253.27
Total	4,995,247	\$448.26	\$11.17	5.11%	\$26.07	1.80%	\$9.18	3.00%	\$15.30	\$509.99
		87.90%								

Exhibit 4 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Final SFY 2024 Capitation Rates						
Rate Cell	a SFY 2024 Statewide Capitation Rates	b Area Adjustments	c = a × b SFY 2024 Regional Capitation Rates	d = c × -1.00% Quality Withhold	e = c + d Total Rate at 1.0 Risk Score after Withhold	f Projected SFY 2024 Member Months
Non-Newborn SSI / Disabled	\$1,320.36					
North Region		0.910	\$1,201.06	(\$13.20)	\$1,307.16	713,375
Central Region		1.038	1,370.44	(\$12.01)	\$1,189.05	244,896
South Region		1.059	1,397.66	(\$13.70)	\$1,356.73	259,644
				(\$13.98)	\$1,383.68	208,835
Breast and Cervical Cancer	\$3,469.71			(\$34.70)	\$3,435.02	947
North Region		0.910	\$3,156.19	(\$31.56)	\$3,124.63	179
Central Region		1.038	3,601.30	(\$36.01)	\$3,565.29	365
South Region		1.059	3,672.83	(\$36.73)	\$3,636.10	404
MA Adult	\$564.73			(\$5.65)	\$559.08	551,911
North Region		0.951	\$537.32	(\$5.37)	\$531.94	166,853
Central Region		1.023	577.83	(\$5.78)	\$572.05	185,364
South Region		1.020	576.03	(\$5.76)	\$570.27	199,694
Pregnant Women	\$732.35			(\$7.32)	\$725.03	175,053
North Region		0.951	\$696.80	(\$6.97)	\$689.84	56,212
Central Region		1.023	749.34	(\$7.49)	\$741.85	62,792
South Region		1.020	747.01	(\$7.47)	\$739.54	56,049
SSI / Disabled Newborn	\$8,360.17			(\$83.60)	\$8,276.57	7,065
North Region		0.988	\$8,256.42	(\$82.56)	\$8,173.86	2,080
Central Region		1.029	8,599.82	(\$86.00)	\$8,513.82	3,084
South Region		0.980	8,197.13	(\$81.97)	\$8,115.15	1,902
Non-SSI Newborns 0 to 2 Months	\$2,275.83			(\$22.76)	\$2,253.07	67,950
North Region		0.988	\$2,247.59	(\$22.48)	\$2,225.11	21,286
Central Region		1.029	2,341.07	(\$23.41)	\$2,317.66	24,738
South Region		0.980	2,231.45	(\$22.31)	\$2,209.13	21,926
Non-SSI Newborns 3 to 12 Months	\$303.48			(\$3.03)	\$300.44	234,084
North Region		0.988	\$299.71	(\$3.00)	\$296.71	73,573
Central Region		1.029	312.18	(\$3.12)	\$309.05	85,736
South Region		0.980	297.56	(\$2.98)	\$294.58	74,775
Foster Care	\$734.25			(\$7.34)	\$726.91	90,993
North Region		0.988	\$725.14	(\$7.25)	\$717.89	26,774
Central Region		1.029	755.30	(\$7.55)	\$747.74	27,117
South Region		0.980	719.93	(\$7.20)	\$712.73	37,102
MYPAC	\$3,936.78			(\$39.37)	\$3,897.41	13,368
North Region		0.988	\$3,887.92	(\$38.88)	\$3,849.04	4,563
Central Region		1.029	4,049.62	(\$40.50)	\$4,009.13	4,046
South Region		0.980	3,860.00	(\$38.60)	\$3,821.40	4,759
MA Children	\$240.10			(\$2.40)	\$237.70	2,821,371
North Region		0.988	\$237.12	(\$2.37)	\$234.75	876,676
Central Region		1.029	246.98	(\$2.47)	\$244.51	1,014,288
South Region		0.980	235.42	(\$2.35)	\$233.06	930,407
Quasi-CHIP	\$253.27			(\$2.53)	\$250.74	319,128
North Region		0.988	\$250.13	(\$2.50)	\$247.62	103,227
Central Region		1.029	260.53	(\$2.61)	\$257.92	117,778
South Region		0.980	248.33	(\$2.48)	\$245.85	98,124
Total Capitation Dollars						
Statewide Capitation Rates			\$2,547,508,341			
Regional Capitation Rates			\$2,547,508,341			

Exhibit 5 Mississippi Division of Medicaid SFY 2023 to SFY 2024 Rate Change ¹													
	Non- Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi- CHIP	Total - Aggregated with Actual CY 2021 MMs	Total - Aggregated with Projected SFY 2024 MMs
Membership													
Actual CY 2021 MMs	745,652	1,708	570,832	117,512	5,146	70,289	238,386	79,772	9,969	3,350,545	348,610	5,538,421	N/A
Projected SFY 2024 MMs	713,375	947	551,911	175,053	7,065	67,950	234,084	90,993	13,368	2,821,371	319,128	N/A	4,995,247
SFY 2023 Capitation Rate	\$1,208.34	\$3,879.26	\$555.24	\$1,155.43	\$8,881.39	\$2,045.26	\$287.41	\$720.51	\$4,153.40	\$233.88	\$236.44	\$466.43	\$500.43
Base Period Data Update	0.968	0.838	0.912	0.936	0.899	1.039	0.957	0.955	0.895	0.892	0.935	0.936	0.937
Restate CY 2021 to SFY 2023 Trends	1.011	1.019	1.023	1.064	0.983	0.979	1.023	0.965	1.001	1.020	1.018	1.014	1.015
Restate CY 2021 to CY 2022 PDL Adjustment ²	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001
Remove SFY 2023 Population Acuity Adjustment ³	1.000	1.000	0.981	1.000	1.000	1.000	1.000	1.000	1.000	0.973	0.973	0.989	0.990
Other Restated Assumptions ²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.001	1.001	1.000	1.000
Updates Relative to SFY 2023 Assumptions	0.980	0.854	0.916	0.996	0.884	1.017	0.979	0.922	0.896	0.886	0.927	0.940	0.943
SFY 2023 to SFY 2024 Utilization Trends	1.027	1.034	1.019	1.035	1.013	1.010	1.028	1.026	1.007	1.024	1.021	1.024	1.024
SFY 2023 to SFY 2024 Unit Cost Trends ²	1.019	1.021	1.031	1.027	1.054	1.060	1.015	1.068	1.041	1.021	1.022	1.026	1.027
Seasonal Virus Adjustment	0.990	0.998	0.979	0.944	1.000	0.999	0.994	1.001	1.000	1.002	1.002	0.991	0.989
Acuity Adjustment: Shift to FFS ¹	1.000	1.000	1.092	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.072	1.033	1.030
Acuity Adjustment: PHE Unwind ³	1.000	1.000	0.988	1.000	1.000	1.000	1.000	1.000	1.000	1.021	1.021	1.005	1.005
MYPAC Member Identification Change ²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	1.011	1.000	1.000	1.000	1.000
Postpartum Coverage Extension ²	1.000	1.000	1.000	0.653	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.982	0.972
PDL CY 2022 to CY 2023 Adjustment ²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	0.999	0.999	1.000	1.000
Obesity Drug Coverage ²	1.002	1.002	1.006	1.000	1.000	1.000	1.000	1.001	1.000	1.006	1.008	1.004	1.003
Obesity Drug Coverage Savings ²	0.998	0.999	0.996	1.000	1.000	1.000	1.000	0.999	1.000	0.996	0.994	0.997	0.997
Gene Therapy Drug Coverage ²	1.071	1.000	1.000	1.000	1.000	1.016	1.035	1.000	1.000	1.007	1.000	1.029	1.029
Gene Therapy Drug Coverage Savings ²	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Hemophilia Population Carve-In ²	1.012	1.000	1.001	1.000	1.000	1.000	1.000	1.008	1.000	1.003	1.003	1.006	1.006
Insulin / Inhaler Price Reduction ²	0.988	0.999	0.995	0.999	1.000	1.000	1.000	0.999	1.000	0.997	0.995	0.994	0.994
SFY 2024 Preventative and Diagnostic Dental Reimbursement Change ²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.002	1.001	1.001
SFY 2024 Restorative Dental Reimbursement Change ²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.000
Update Admin	1.006	0.995	1.003	0.972	0.998	1.007	1.006	1.003	0.998	1.005	1.007	1.004	1.003
Preliminary SFY 2024 Rate Change	1.093	0.894	1.017	0.634	0.941	1.113	1.056	1.019	0.948	1.027	1.071	1.032	1.019
SFY 2024 Rate Change - Excluding Program Changes²	1.001	0.876	0.988	0.946	0.893	1.033	1.006	0.948	0.901	0.994	1.045	0.993	0.991
SFY 2024 Rate Change - Excluding COVID-19 Adjustments³	1.093	0.894	0.961	0.634	0.941	1.113	1.056	1.019	0.948	0.968	1.005	1.004	0.995

¹ Rate changes exclude MHAP, MAPS, TREAT, and the quality withhold.
² Program change that increases or decreases total program costs outside of the control of the CCOs.
³ COVID-19 adjustments include the acuity change resulting from the member shift to FFS.

Exhibit 6 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Service Category to Milliman HCGs Grouper Category Mapping					
Broad Category of Service			Broad Category of Service		
MR Line	of Service	Description	MR Line	of Service	Description
I11a	Inpatient Hospital	Medical	P40a	Physician	Preventive Other - General
I11b	Inpatient Hospital	Rehabilitation	P40b	Physician	Preventive Other - Colonoscopy
I12	Inpatient Hospital	Surgical	P40c	Physician	Preventive Other - Mammography
I13a	Inpatient Hospital	Psychiatric - Hospital	P40d	Physician	Preventive Other - Lab
I13b	Inpatient Hospital	Psychiatric - Residential	P41	Physician	Preventive Immunizations
I14a	Inpatient Hospital	Substance Use Disorders - Hospital	P42	Physician	Preventive Well Baby Exams
I14b	Inpatient Hospital	Substance Use Disorders - Residential	P43	Physician	Preventive Physical Exams
I21a	Inpatient Hospital	Mat Norm Delivery	P44	Physician	Vision Exams
I21b	Inpatient Hospital	Mat Norm Delivery - Mom/Baby Cmbnd	P45	Physician	Hearing and Speech Exams
I22a	Inpatient Hospital	Mat Csect Delivery	P51a	Physician	ED Visits and Observation Care - Observation Care
I22b	Inpatient Hospital	Mat Csect Delivery - Mom/Baby Cmbnd	P51b	Physician	ED Visits and Observation Care - ED Visits
I23a	Inpatient Hospital	Well Newborn - Normal Delivery	P53	Physician	Physical Therapy
I23b	Inpatient Hospital	Well Newborn - Csect Delivery	P54	Physician	Cardiovascular
I23c	Inpatient Hospital	Well Newborn - Unknown Delivery	P55b	Physician	Radiology IP - CT Scan
I24	Inpatient Hospital	Other Newborn	P55c	Physician	Radiology IP - MRI
I25	Inpatient Hospital	Maternity Non-Delivery	P55d	Physician	Radiology IP - PET
I31	Inpatient Hospital	SNF	P55e	Physician	Radiology IP - General - Therapeutic
O10a	Outpatient Hospital	Observation - Without ED	P55f	Physician	Radiology IP - General - Diagnostic
O10b	Outpatient Hospital	Observation - With ED	P56a	Physician	Radiology OP - General - Therapeutic
O11	Outpatient Hospital	Emergency Department	P56b	Physician	Radiology OP - General - Diagnostic
O12a	Outpatient Hospital	Surgery - Hospital Outpatient	P57a	Physician	Radiology OP - CT/MRI/PET - CT Scan
O12b	Outpatient Hospital	Surgery - Ambulatory Surgery Center	P57b	Physician	Radiology OP - CT/MRI/PET - MRI
O13a	Outpatient Hospital	Radiology General - Therapeutic	P57c	Physician	Radiology OP - CT/MRI/PET - PET
O13b	Outpatient Hospital	Radiology General - Diagnostic	P58c	Physician	Radiology Office - General - Therapeutic
O14a	Outpatient Hospital	Radiology - CT/MRI/PET - CT Scan	P58d	Physician	Radiology Office - General - Diagnostic
O14b	Outpatient Hospital	Radiology - CT/MRI/PET - MRI	P58e	Physician	Radiology Office - General - Radiology Center - Therapeutic
O14c	Outpatient Hospital	Radiology - CT/MRI/PET - PET	P58f	Physician	Radiology Office - General - Radiology Center - Diagnostic
O15	Outpatient Hospital	Pathology/Lab	P59a	Physician	Radiology Office - CT/MRI/PET - CT Scan
O16a	Outpatient Hospital	Pharmacy - General	P59b	Physician	Radiology Office - CT/MRI/PET - MRI
O16b	Outpatient Hospital	Pharmacy - Chemotherapy	P59c	Physician	Radiology Office - CT/MRI/PET - PET
O17	Outpatient Hospital	Cardiovascular	P59d	Physician	Radiology Office - CT/MRI/PET - CT Scan - Radiology Center
O18	Outpatient Hospital	PT/OT/ST	P59e	Physician	Radiology Office - CT/MRI/PET - MRI - Radiology Center
O31a	Outpatient Hospital	Psychiatric - Partial Hospitalization	P59f	Physician	Radiology Office - CT/MRI/PET - PET - Radiology Center
O31b	Outpatient Hospital	Psychiatric - Intensive Outpatient	P61a	Physician	Pathology/Lab - Inpatient & Outpatient - Inpatient
O32a	Outpatient Hospital	Substance Use Disorders - Partial Hospitalization	P61b	Physician	Pathology/Lab - Inpatient & Outpatient - Outpatient
O32b	Outpatient Hospital	Substance Use Disorders - Intensive Outpatient	P63a	Physician	Pathology/Lab - Office - General
O41a	Outpatient Hospital	Other - General	P63b	Physician	Pathology/Lab - Office - Venipuncture
O41b	Outpatient Hospital	Other - Blood	P63c	Physician	Pathology/Lab - Office - Independent Lab
O41d	Outpatient Hospital	Other - Clinic	P65	Physician	Chiropractor
O41e	Outpatient Hospital	Other - Diagnostic	P66	Physician	Outpatient Psychiatric
O41f	Outpatient Hospital	Other - Dialysis	P67	Physician	Outpatient Substance Use Disorders
O41g	Outpatient Hospital	Other - DME/Supplies	P82c	Other	Home Health Care - Home Health (Medicare Covered)
O41h	Outpatient Hospital	Other - Trtmt/Spclty Svcs	P82d	Other	Home Health Care - Hospice - Home Based
O41j	Outpatient Hospital	Other - Pulmonary	P82e	Other	Home Health Care - Hospice - Facility Based
O41l	Outpatient Hospital	Other - Urgent Care	P82f	Other	Home Health Care - Home Health (Not Medicare Covered)
O51a	Outpatient Hospital	Preventive - General	P82g	Other	Home Health Care - Personal/Custodial Care
O51b	Outpatient Hospital	Preventive - Colonoscopy	P82h	Other	Home Health Care - Adult Day Health Care
O51c	Outpatient Hospital	Preventive - Mammography	P82i	Other	Home Health Care - Home Respite Care
O51d	Outpatient Hospital	Preventive - Lab	P82j	Other	Home Health Care - Personal Emergency Response System (PER)
P11	Physician	Inpatient Surgery	P82k	Other	Home Health Care - Home Modification
P13	Physician	Inpatient Anesthesia	P82l	Other	Home Health Care - Home Delivered Meals
P14	Physician	Outpatient Surgery	P82m	Other	Home Health Care - Assisted Living Facility
P15	Physician	Office Surgery	P82n	Other	Home Health Care - Ancillary Services Provided in the Home
P16	Physician	Outpatient Anesthesia	P83	Other	Ambulance
P21a	Physician	Maternity - Normal Deliveries	P84	Other	DME and Supplies
P21b	Physician	Maternity - Cesarean Deliveries	P85	Other	Prosthetics
P21c	Physician	Maternity - Non-Deliveries	P89	Other	Benefits Glasses/Contacts
P21d	Physician	Maternity - Ancillary	P99a	Other	Benefits Other - General
P21e	Physician	Maternity - Anesthesia	P99b	Other	Benefits Other - Hearing Aids
P31d	Physician	Inpatient Visits - Medical	P99c	Dental	Benefits Other - Dental
P31e	Physician	Inpatient Visits - Psychiatric	P99d	Other	Benefits Other - Acupuncture
P31f	Physician	Inpatient Visits - Substance Use Disorders	P99e	Physician	Benefits Other - Reproductive Medicine
P32c	Physician	Office/Home Visits - PCP	P99f	Physician	Benefits Other - Temporary Codes
P32d	Physician	Office/Home Visits - Specialist	P99g	Physician	Benefits Other - Documentation
P33	Physician	Urgent Care Visits	P99h	Other	Benefits Other - Non-Emergency Transportation
P34a	Physician	Office Administered Drugs - General	P99z	Physician	Benefits Other - Unclassified
P34b	Physician	Office Administered Drugs - Chemotherapy	R73a	Drug	Prescription Drugs - Preferred Generic
P35	Physician	Allergy Testing	R73b	Drug	Prescription Drugs - Non-Preferred Generic
P36	Physician	Allergy Immunotherapy	R74a	Drug	Prescription Drugs - Preferred Brand
P37a	Physician	Miscellaneous Medical - General	R74b	Drug	Prescription Drugs - Non-Preferred Brand
P37b	Physician	Miscellaneous Medical - Gastroenterology	R75	Drug	Prescription Drugs - Specialty
P37c	Physician	Miscellaneous Medical - Ophthalmology	R76	Drug	Prescription Drugs - Preventive
P37d	Physician	Miscellaneous Medical - Otorhinolaryngology	P81a	Drug	Prescription Drugs - Non-Specialty Generic
P37e	Physician	Miscellaneous Medical - Vestibular Function Tests	P81b	Drug	Prescription Drugs - Non-Specialty Multi Source Brand
P37f	Physician	Miscellaneous Medical - Non-Invas. Vasc. Diag. Studies	P81c	Drug	Prescription Drugs - Non-Specialty Single Source Brand
P37g	Physician	Miscellaneous Medical - Pulmonology	P81e	Drug	Prescription Drugs - OTC
P37h	Physician	Miscellaneous Medical - Neurology	P81g	Drug	Prescription Drugs - Specialty
P37i	Physician	Miscellaneous Medical - Central Nervous System Tests	P82a	Other	Home Health Care - HH
P37j	Physician	Miscellaneous Medical - Dermatology	P82b	Other	Home Health Care - Hospice
P37k	Physician	Miscellaneous Medical - Dialysis			

Exhibit 7A
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
All Populations
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	437,026	\$86.50	\$77.48	\$115.53	\$21.65	\$15.69	\$316.85
February 2019	435,583	\$80.85	\$74.80	\$111.39	\$18.89	\$14.65	\$300.58
March 2019	434,251	\$85.53	\$69.87	\$104.45	\$19.29	\$15.27	\$294.41
April 2019	434,281	\$87.54	\$73.29	\$109.31	\$20.35	\$15.92	\$306.41
May 2019	435,675	\$90.09	\$72.36	\$104.12	\$17.36	\$15.46	\$299.38
June 2019	436,565	\$82.44	\$71.11	\$92.65	\$18.07	\$14.58	\$278.86
July 2019	435,173	\$88.21	\$72.69	\$102.80	\$22.24	\$16.44	\$302.37
August 2019	432,187	\$85.54	\$69.69	\$111.63	\$21.36	\$17.29	\$305.52
September 2019	431,636	\$87.42	\$68.97	\$108.18	\$19.90	\$16.41	\$300.88
October 2019	432,302	\$95.85	\$74.88	\$117.81	\$22.84	\$16.64	\$328.01
November 2019	433,427	\$82.01	\$67.43	\$105.33	\$18.22	\$15.89	\$288.87
December 2019	435,721	\$89.91	\$70.10	\$104.46	\$16.26	\$15.73	\$296.46
CY 2019³	434,486	\$86.82	\$71.89	\$107.30	\$19.70	\$15.83	\$301.55
January 2020	434,689	\$86.00	\$75.31	\$118.23	\$20.51	\$17.12	\$317.17
February 2020	431,725	\$77.26	\$70.14	\$110.33	\$18.85	\$15.62	\$292.19
March 2020	429,908	\$79.49	\$57.36	\$93.29	\$12.09	\$15.60	\$257.83
April 2020	430,080	\$70.80	\$36.87	\$69.21	\$1.36	\$12.26	\$190.49
May 2020	434,572	\$78.98	\$50.27	\$79.66	\$10.07	\$13.44	\$232.43
June 2020	443,044	\$84.24	\$59.23	\$94.56	\$16.20	\$14.67	\$268.91
July 2020	450,515	\$84.53	\$59.66	\$95.01	\$17.26	\$14.09	\$270.55
August 2020	456,517	\$81.78	\$57.40	\$95.31	\$17.07	\$14.81	\$266.38
September 2020	460,496	\$77.45	\$59.33	\$97.21	\$17.20	\$14.71	\$265.90
October 2020	464,815	\$78.72	\$61.03	\$101.08	\$17.71	\$15.39	\$273.93
November 2020	470,075	\$72.65	\$57.46	\$91.18	\$15.39	\$14.46	\$251.13
December 2020	474,757	\$81.17	\$56.97	\$91.42	\$15.23	\$14.79	\$259.59
CY 2020³	448,433	\$79.42	\$58.42	\$94.71	\$14.91	\$14.75	\$262.21
January 2021	478,618	\$83.96	\$56.01	\$93.41	\$15.95	\$15.35	\$264.68
February 2021	481,326	\$78.01	\$49.65	\$83.17	\$13.85	\$13.16	\$237.84
March 2021	483,763	\$88.81	\$64.61	\$102.79	\$18.93	\$16.31	\$291.44
April 2021	483,831	\$82.62	\$65.10	\$102.72	\$17.01	\$15.58	\$283.03
May 2021	486,505	\$89.83	\$65.74	\$97.09	\$14.58	\$15.55	\$282.79
June 2021	488,764	\$90.47	\$71.21	\$100.28	\$16.40	\$16.31	\$294.67
July 2021	473,300	\$92.69	\$69.44	\$100.66	\$16.80	\$16.28	\$295.88
August 2021	452,472	\$95.29	\$66.44	\$118.76	\$16.48	\$16.48	\$313.44
September 2021	439,660	\$86.53	\$65.13	\$110.61	\$17.76	\$15.76	\$295.78
October 2021	428,718	\$82.31	\$65.92	\$105.75	\$17.29	\$16.28	\$287.54
November 2021	419,121	\$79.04	\$63.87	\$105.00	\$17.93	\$14.92	\$280.76
December 2021	412,166	\$77.60	\$64.48	\$99.74	\$15.63	\$14.64	\$272.08
CY 2021³	460,687	\$85.60	\$63.97	\$101.66	\$16.55	\$15.55	\$283.33
Annual PMPM Trends							
CY 2017 to CY 2018		4.2%	1.9%	3.8%	-7.1%	3.3%	2.6%
CY 2018 to CY 2019		5.6%	3.3%	7.1%	-1.2%	7.0%	5.2%
CY 2019 to CY 2020		-8.5%	-18.7%	-11.7%	-24.3%	-6.8%	-13.0%
CY 2020 to CY 2021		7.8%	9.5%	7.3%	11.0%	5.5%	8.1%
CY 2019 to CY 2021 (Annualized)		-0.7%	-5.7%	-2.7%	-8.3%	-0.9%	-3.1%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPPS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2021 to be directly comparable by month.

² CY 2019, and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021 IBNR as reported by CCOs in financial templates.

Exhibit 7B
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
SSI+ Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	63,961	\$198.49	\$227.72	\$234.68	\$10.35	\$63.22	\$734.48
February 2019	63,934	\$174.55	\$213.66	\$215.75	\$8.92	\$61.05	\$673.94
March 2019	63,712	\$178.25	\$206.58	\$219.74	\$9.05	\$63.21	\$676.83
April 2019	63,901	\$183.67	\$216.12	\$228.05	\$9.79	\$64.70	\$702.34
May 2019	63,768	\$192.93	\$218.66	\$225.59	\$8.69	\$65.24	\$711.12
June 2019	63,938	\$161.30	\$210.08	\$207.72	\$7.82	\$61.95	\$648.87
July 2019	64,036	\$182.68	\$210.90	\$221.09	\$10.18	\$65.35	\$690.21
August 2019	63,876	\$174.75	\$208.22	\$231.43	\$10.27	\$68.17	\$692.83
September 2019	63,899	\$197.16	\$202.17	\$220.41	\$9.59	\$66.36	\$695.70
October 2019	63,899	\$212.62	\$217.25	\$239.40	\$10.98	\$67.57	\$747.81
November 2019	63,924	\$183.14	\$184.61	\$202.28	\$8.38	\$66.06	\$644.48
December 2019	64,030	\$188.47	\$194.57	\$205.18	\$7.61	\$64.27	\$660.09
CY 2019³	63,907	\$185.67	\$209.21	\$220.94	\$9.30	\$64.76	\$689.89
January 2020	63,847	\$188.69	\$227.31	\$235.15	\$10.35	\$69.68	\$731.17
February 2020	63,841	\$166.78	\$206.59	\$215.75	\$9.39	\$63.40	\$661.91
March 2020	63,589	\$177.91	\$178.94	\$196.06	\$5.45	\$67.59	\$625.95
April 2020	63,509	\$136.51	\$139.65	\$147.97	\$1.42	\$56.28	\$481.84
May 2020	63,644	\$168.38	\$170.86	\$170.42	\$4.78	\$58.83	\$573.27
June 2020	63,879	\$188.02	\$192.57	\$205.46	\$7.49	\$63.46	\$657.01
July 2020	63,809	\$176.37	\$190.92	\$198.00	\$7.89	\$58.04	\$631.22
August 2020	63,777	\$168.74	\$180.23	\$198.29	\$8.43	\$60.01	\$615.70
September 2020	63,769	\$164.87	\$190.15	\$204.42	\$8.48	\$61.31	\$629.23
October 2020	63,695	\$173.79	\$192.96	\$208.70	\$8.84	\$65.02	\$649.30
November 2020	63,697	\$153.24	\$180.18	\$185.71	\$7.20	\$61.32	\$587.66
December 2020	63,532	\$168.63	\$183.01	\$186.59	\$7.42	\$64.28	\$609.93
CY 2020³	63,716	\$169.33	\$186.11	\$196.04	\$7.26	\$62.43	\$621.18
January 2021	63,329	\$164.04	\$175.72	\$193.00	\$7.92	\$67.64	\$608.32
February 2021	63,319	\$164.52	\$160.45	\$172.52	\$6.83	\$57.26	\$561.58
March 2021	62,918	\$191.50	\$201.95	\$224.12	\$9.05	\$69.76	\$696.38
April 2021	62,480	\$167.44	\$200.97	\$211.08	\$8.53	\$67.08	\$655.09
May 2021	62,352	\$190.37	\$202.93	\$203.42	\$8.55	\$66.37	\$671.65
June 2021	62,201	\$175.93	\$219.60	\$214.45	\$8.69	\$69.37	\$688.05
July 2021	62,317	\$211.08	\$208.91	\$203.42	\$7.72	\$68.87	\$700.01
August 2021	62,105	\$200.79	\$189.03	\$212.11	\$8.56	\$70.09	\$680.58
September 2021	61,811	\$185.05	\$196.20	\$213.21	\$9.21	\$67.49	\$671.16
October 2021	61,544	\$163.32	\$196.58	\$210.11	\$8.68	\$69.10	\$647.78
November 2021	61,417	\$164.31	\$192.55	\$200.52	\$8.73	\$63.19	\$629.29
December 2021	61,244	\$156.75	\$186.37	\$188.01	\$7.32	\$61.65	\$600.10
CY 2021³	62,253	\$177.93	\$194.27	\$203.83	\$8.32	\$66.49	\$650.83
Annual PMPM Trends							
CY 2017 to CY 2018		1.5%	2.8%	5.9%	-9.1%	2.5%	3.2%
CY 2018 to CY 2019		5.5%	4.2%	6.1%	-7.0%	7.1%	5.2%
CY 2019 to CY 2020		-8.8%	-11.0%	-11.3%	-21.9%	-3.6%	-10.0%
CY 2020 to CY 2021		5.1%	4.4%	4.0%	14.5%	6.5%	4.8%
CY 2019 to CY 2021 (Annualized)		-2.1%	-3.6%	-4.0%	-5.5%	1.3%	-2.9%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPPS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2021 to be directly comparable by month.

² CY 2019, and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021 IBNR as reported by CCOs in financial templates.

Exhibit 7C
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Adults Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	52,746	\$35.19	\$122.19	\$148.00	\$8.16	\$13.39	\$326.93
February 2019	52,322	\$34.35	\$109.07	\$132.17	\$6.83	\$12.22	\$294.64
March 2019	52,133	\$38.90	\$109.80	\$131.68	\$6.78	\$11.63	\$298.78
April 2019	52,042	\$43.33	\$115.77	\$139.16	\$8.18	\$12.41	\$318.85
May 2019	52,603	\$47.01	\$113.80	\$141.06	\$6.80	\$13.08	\$321.76
June 2019	52,901	\$39.49	\$110.21	\$129.08	\$5.90	\$12.31	\$297.00
July 2019	53,101	\$41.79	\$122.26	\$140.13	\$6.16	\$13.15	\$323.50
August 2019	52,700	\$39.94	\$113.94	\$143.42	\$6.94	\$14.34	\$318.58
September 2019	52,760	\$40.08	\$107.63	\$135.36	\$5.97	\$13.46	\$302.50
October 2019	52,643	\$43.55	\$118.05	\$148.56	\$6.95	\$14.38	\$331.49
November 2019	52,387	\$37.49	\$101.11	\$126.50	\$5.09	\$13.30	\$283.49
December 2019	52,385	\$35.02	\$106.72	\$129.86	\$5.03	\$12.96	\$289.60
CY 2019³	52,560	\$39.68	\$112.55	\$137.08	\$6.57	\$13.05	\$308.93
January 2020	51,740	\$47.01	\$115.91	\$151.37	\$6.45	\$14.50	\$335.23
February 2020	51,070	\$39.72	\$104.73	\$136.29	\$6.13	\$13.03	\$299.89
March 2020	50,820	\$32.10	\$89.82	\$124.16	\$5.60	\$12.13	\$263.82
April 2020	50,697	\$23.90	\$59.10	\$100.82	\$2.82	\$9.86	\$196.49
May 2020	51,903	\$38.45	\$83.27	\$118.67	\$4.70	\$11.84	\$256.94
June 2020	53,590	\$39.78	\$99.56	\$137.25	\$7.08	\$12.05	\$295.72
July 2020	55,460	\$45.56	\$102.92	\$136.26	\$6.52	\$12.38	\$303.63
August 2020	56,368	\$52.63	\$99.06	\$129.72	\$6.01	\$12.32	\$299.74
September 2020	57,006	\$35.69	\$93.39	\$131.10	\$6.19	\$12.16	\$278.53
October 2020	57,418	\$33.33	\$96.68	\$132.78	\$5.91	\$12.76	\$281.47
November 2020	58,070	\$33.87	\$94.78	\$119.53	\$5.02	\$11.71	\$264.91
December 2020	58,626	\$35.48	\$92.22	\$126.45	\$5.05	\$11.49	\$270.69
CY 2020³	54,397	\$38.13	\$94.29	\$128.70	\$5.62	\$12.19	\$278.92
January 2021	59,089	\$39.84	\$90.80	\$121.41	\$5.19	\$12.05	\$269.28
February 2021	59,414	\$28.31	\$79.03	\$104.49	\$4.63	\$9.52	\$225.97
March 2021	59,864	\$35.90	\$101.24	\$130.34	\$5.66	\$11.77	\$284.91
April 2021	60,010	\$32.59	\$99.73	\$127.33	\$6.30	\$10.74	\$276.69
May 2021	60,641	\$38.33	\$97.19	\$119.76	\$4.84	\$11.06	\$271.18
June 2021	61,139	\$41.28	\$103.00	\$130.16	\$5.18	\$11.45	\$291.07
July 2021	59,248	\$47.82	\$97.38	\$123.79	\$4.15	\$11.35	\$284.49
August 2021	56,422	\$67.01	\$98.19	\$139.10	\$4.58	\$12.62	\$321.51
September 2021	55,101	\$49.25	\$97.16	\$133.62	\$4.71	\$11.77	\$296.51
October 2021	53,607	\$39.49	\$97.95	\$123.31	\$4.31	\$11.66	\$276.72
November 2021	52,343	\$44.99	\$89.25	\$123.24	\$4.42	\$11.37	\$273.27
December 2021	51,472	\$40.21	\$97.08	\$122.43	\$4.01	\$11.75	\$275.48
CY 2021³	57,363	\$42.09	\$95.67	\$124.92	\$4.83	\$11.43	\$278.92
Annual PMPM Trends							
CY 2017 to CY 2018		-6.2%	5.7%	1.3%	-14.4%	4.5%	1.4%
CY 2018 to CY 2019		-5.8%	-1.3%	2.4%	-14.4%	5.1%	-0.4%
CY 2019 to CY 2020		-3.9%	-16.2%	-6.1%	-14.4%	-6.6%	-9.7%
CY 2020 to CY 2021		10.4%	1.5%	-2.9%	-14.1%	-6.2%	0.0%
CY 2019 to CY 2021 (Annualized)		3.0%	-7.8%	-4.5%	-14.2%	-6.4%	-5.0%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2021 to be directly comparable by month.

² CY 2019, and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021 IBNR as reported by CCOs in financial templates.

Exhibit 7D
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Children Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	320,319	\$55.67	\$39.04	\$80.84	\$26.28	\$6.29	\$208.12
February 2019	319,327	\$53.10	\$40.46	\$81.85	\$23.00	\$5.50	\$203.91
March 2019	318,406	\$57.85	\$35.01	\$71.62	\$23.53	\$6.01	\$194.02
April 2019	318,338	\$59.07	\$36.74	\$75.32	\$24.60	\$6.44	\$202.17
May 2019	319,304	\$59.21	\$35.26	\$68.20	\$20.94	\$5.60	\$189.21
June 2019	319,726	\$57.16	\$35.91	\$58.33	\$22.26	\$5.20	\$178.85
July 2019	318,036	\$60.63	\$35.85	\$67.68	\$27.46	\$6.93	\$198.55
August 2019	315,611	\$58.67	\$33.71	\$76.99	\$26.11	\$7.30	\$202.77
September 2019	314,977	\$56.41	\$35.03	\$75.83	\$24.40	\$6.63	\$198.30
October 2019	315,760	\$63.81	\$38.29	\$82.71	\$27.99	\$6.51	\$219.31
November 2019	317,116	\$52.44	\$37.62	\$76.98	\$22.49	\$5.96	\$195.49
December 2019	319,306	\$62.10	\$38.31	\$74.61	\$19.96	\$6.19	\$201.17
CY 2019²	318,019	\$58.01	\$36.77	\$74.25	\$24.09	\$6.21	\$199.32
January 2020	319,102	\$54.88	\$37.18	\$83.80	\$25.00	\$6.75	\$207.61
February 2020	316,814	\$48.69	\$36.25	\$79.49	\$22.97	\$6.18	\$193.58
March 2020	315,499	\$50.72	\$26.87	\$62.25	\$14.56	\$5.48	\$159.88
April 2020	315,874	\$48.82	\$11.98	\$42.94	\$1.09	\$3.59	\$108.42
May 2020	319,025	\$50.78	\$19.86	\$49.51	\$12.08	\$4.35	\$136.59
June 2020	325,575	\$54.01	\$24.97	\$59.74	\$19.55	\$5.07	\$163.33
July 2020	331,246	\$55.71	\$25.32	\$61.95	\$21.02	\$5.33	\$169.33
August 2020	336,372	\$51.62	\$25.07	\$63.33	\$20.74	\$5.92	\$166.68
September 2020	339,721	\$50.13	\$26.69	\$64.73	\$20.88	\$5.56	\$167.98
October 2020	343,702	\$50.76	\$27.87	\$68.64	\$21.55	\$5.61	\$174.43
November 2020	348,308	\$46.67	\$25.89	\$62.27	\$18.85	\$5.25	\$158.92
December 2020	352,599	\$55.21	\$25.10	\$61.11	\$18.58	\$5.17	\$165.16
CY 2020³	330,320	\$51.50	\$26.09	\$63.31	\$18.07	\$5.36	\$164.33
January 2021	356,200	\$57.23	\$25.49	\$63.40	\$19.45	\$5.15	\$170.71
February 2021	358,593	\$50.63	\$21.90	\$56.58	\$16.87	\$4.71	\$150.69
March 2021	360,981	\$59.18	\$30.18	\$68.64	\$23.23	\$6.07	\$187.30
April 2021	361,341	\$55.59	\$31.31	\$71.55	\$20.58	\$5.82	\$184.85
May 2021	363,512	\$60.41	\$32.23	\$66.82	\$17.49	\$5.85	\$182.79
June 2021	365,424	\$63.46	\$35.35	\$67.15	\$19.90	\$6.20	\$192.05
July 2021	351,735	\$57.70	\$36.07	\$70.98	\$20.83	\$6.32	\$191.90
August 2021	333,945	\$59.35	\$35.86	\$91.49	\$20.14	\$6.10	\$212.94
September 2021	322,748	\$54.14	\$32.79	\$80.85	\$21.74	\$5.81	\$195.33
October 2021	313,567	\$54.84	\$33.66	\$76.76	\$21.28	\$6.23	\$192.77
November 2021	305,361	\$49.26	\$33.14	\$77.69	\$22.14	\$5.58	\$187.82
December 2021	299,450	\$49.62	\$33.90	\$73.19	\$19.33	\$5.45	\$181.48
CY 2021³	341,071	\$55.95	\$31.82	\$72.09	\$20.25	\$5.77	\$185.89
Annual PMPM Trends							
CY 2017 to CY 2018		8.7%	-1.0%	3.8%	-6.5%	3.6%	2.7%
CY 2018 to CY 2019		8.9%	4.9%	10.1%	0.0%	8.5%	7.4%
CY 2019 to CY 2020		-11.2%	-29.1%	-14.7%	-25.0%	-13.8%	-17.6%
CY 2020 to CY 2021		8.6%	22.0%	13.9%	12.0%	7.8%	13.1%
CY 2019 to CY 2021 (Annualized)		-1.8%	-7.0%	-1.5%	-8.3%	-3.6%	-3.4%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2021 to be directly comparable by month.

² CY 2019, and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021 IBNR as reported by CCOs in financial templates.

Exhibit 7E
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Deliveries

Per-Delivery Costs by Month¹

Month	Deliveries	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	1,695	\$3,986.61	\$6.36	\$1,127.91	\$0.05	\$19.20	\$5,140.14
February 2019	1,415	\$3,944.71	\$12.76	\$1,101.04	\$0.04	\$17.57	\$5,076.12
March 2019	1,508	\$3,983.59	\$8.37	\$1,088.77	\$0.00	\$19.28	\$5,100.02
April 2019	1,468	\$3,904.85	\$9.85	\$1,086.34	\$0.08	\$26.65	\$5,027.76
May 2019	1,493	\$4,103.76	\$14.23	\$1,123.88	\$0.00	\$21.75	\$5,263.62
June 2019	1,449	\$3,936.77	\$15.86	\$1,076.32	\$0.00	\$21.09	\$5,050.04
July 2019	1,797	\$3,864.92	\$12.67	\$1,074.26	\$0.00	\$15.48	\$4,967.34
August 2019	1,721	\$3,920.93	\$10.89	\$1,113.94	\$0.03	\$20.65	\$5,066.44
September 2019	1,717	\$3,975.27	\$12.86	\$1,123.17	\$0.17	\$17.94	\$5,129.40
October 2019	1,732	\$4,080.55	\$13.20	\$1,178.12	\$0.00	\$22.64	\$5,294.51
November 2019	1,522	\$3,936.21	\$13.54	\$1,162.09	\$0.00	\$25.46	\$5,137.30
December 2019	1,741	\$4,067.36	\$8.60	\$1,161.10	\$0.00	\$21.76	\$5,258.81
CY 2019³	1,605	\$3,975.46	\$11.60	\$1,118.08	\$0.03	\$20.79	\$5,125.96
January 2020	1,684	\$4,005.61	\$15.08	\$1,148.37	\$0.07	\$16.84	\$5,185.97
February 2020	1,417	\$3,978.15	\$11.18	\$1,144.31	\$0.00	\$26.62	\$5,160.27
March 2020	1,479	\$3,996.25	\$11.88	\$1,122.11	\$0.00	\$20.04	\$5,150.28
April 2020	1,405	\$3,950.93	\$10.50	\$1,125.32	\$0.21	\$19.14	\$5,106.09
May 2020	1,449	\$4,018.44	\$16.20	\$1,162.58	\$0.00	\$19.58	\$5,216.80
June 2020	1,557	\$3,964.22	\$13.32	\$1,141.01	\$0.00	\$19.67	\$5,138.21
July 2020	1,668	\$3,983.33	\$13.39	\$1,168.78	\$0.00	\$14.82	\$5,180.31
August 2020	1,708	\$4,139.11	\$11.13	\$1,193.06	\$0.00	\$17.68	\$5,360.99
September 2020	1,698	\$3,954.77	\$6.72	\$1,125.55	\$0.07	\$15.07	\$5,102.18
October 2020	1,553	\$3,884.76	\$11.65	\$1,184.50	\$0.00	\$18.76	\$5,099.68
November 2020	1,535	\$3,846.04	\$12.77	\$1,120.32	\$0.00	\$22.37	\$5,001.49
December 2020	1,491	\$3,792.28	\$9.23	\$1,147.52	\$0.00	\$17.87	\$4,966.90
CY 2020³	1,554	\$3,959.49	\$11.92	\$1,148.62	\$0.03	\$19.04	\$5,139.10
January 2021	1,407	\$4,269.88	\$12.37	\$1,149.08	\$0.00	\$17.68	\$5,449.00
February 2021	1,314	\$4,338.51	\$7.37	\$1,105.84	\$0.04	\$15.96	\$5,467.73
March 2021	1,459	\$4,219.80	\$9.95	\$1,093.70	\$0.00	\$19.23	\$5,342.69
April 2021	1,218	\$4,353.13	\$10.97	\$1,139.38	\$0.00	\$15.08	\$5,518.56
May 2021	1,331	\$4,216.00	\$10.05	\$1,101.03	\$0.00	\$19.13	\$5,346.21
June 2021	1,424	\$4,281.00	\$12.71	\$1,107.79	\$0.00	\$23.12	\$5,424.63
July 2021	1,356	\$4,403.17	\$9.99	\$1,115.62	\$0.00	\$13.70	\$5,542.48
August 2021	1,480	\$4,574.54	\$11.38	\$1,112.47	\$0.00	\$20.46	\$5,718.86
September 2021	1,398	\$4,436.80	\$7.97	\$1,147.27	\$0.00	\$13.67	\$5,605.71
October 2021	1,354	\$4,347.47	\$6.05	\$1,100.21	\$0.08	\$11.60	\$5,465.42
November 2021	1,193	\$4,330.23	\$11.26	\$1,102.57	\$0.04	\$17.15	\$5,461.26
December 2021	1,258	\$4,335.88	\$11.09	\$1,093.18	\$0.00	\$17.63	\$5,457.78
CY 2021³	1,349	\$4,342.20	\$10.10	\$1,114.01	\$0.01	\$17.04	\$5,483.36
Annual PMPM Trends							
CY 2017 to CY 2018		1.7%	6.1%	-2.4%	145.9%	46.1%	1.0%
CY 2018 to CY 2019		0.4%	48.7%	-2.4%	12.8%	-35.8%	-0.3%
CY 2019 to CY 2020		-0.4%	2.8%	2.7%	-3.4%	-8.4%	0.3%
CY 2020 to CY 2021		9.7%	-15.3%	-3.0%	-52.4%	-10.5%	6.7%
CY 2019 to CY 2021 (Annualized)		4.5%	-6.7%	-0.2%	-32.2%	-9.5%	3.4%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2021 to be directly comparable by month.

² CY 2019, and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021 IBNR as reported by CCOs in financial templates.

Exhibit 8A Mississippi Division of Medicaid MississippiCAN Program Traditional Rx Trends by Therapeutic Class									
Drug Class	SSI Population			Adult Population			Children Population		
	CY 2021 PMPM	Projected SFY 2024 PMPM	Annualized CY 2021 to SFY 2024 PMPM Trend	CY 2021 PMPM	Projected SFY 2024 PMPM	Annualized CY 2021 to SFY 2024 PMPM Trend	CY 2021 PMPM	Projected SFY 2024 PMPM	Annualized CY 2021 to SFY 2024 PMPM Trend
Antiasthmatic and COPD Agents	\$16.17	\$16.62	1.1%	\$3.84	\$4.17	3.3%	\$2.63	\$2.79	2.4%
Anticoagulants	\$6.18	\$6.98	5.0%	\$1.56	\$1.85	7.1%	\$0.02	\$0.02	8.2%
Anticonvulsants	\$12.45	\$11.35	-3.6%	\$1.56	\$1.59	0.9%	\$0.48	\$0.50	2.3%
Antidepressants	\$4.84	\$5.36	4.1%	\$3.32	\$3.79	5.4%	\$0.23	\$0.27	5.7%
Antihistamines and Respiratory Agents	\$1.48	\$1.49	0.2%	\$0.89	\$0.89	0.2%	\$1.28	\$1.29	0.2%
Anti-Infective Agents	\$4.45	\$4.16	-2.7%	\$3.07	\$2.87	-2.7%	\$1.89	\$1.77	-2.7%
Antipsychotic	\$47.07	\$55.30	6.7%	\$4.85	\$5.70	6.7%	\$0.50	\$0.57	4.8%
Cardiovascular	\$11.12	\$11.74	2.2%	\$3.05	\$3.22	2.2%	\$0.39	\$0.41	2.1%
Contraceptives	\$0.87	\$0.88	0.7%	\$2.79	\$2.84	0.7%	\$0.64	\$0.65	0.7%
Dermatological	\$1.24	\$1.10	-4.7%	\$0.66	\$0.59	-4.7%	\$1.31	\$1.35	1.0%
Diabetes	\$44.72	\$54.12	7.9%	\$15.39	\$18.63	7.9%	\$0.99	\$1.20	7.9%
Diabetic Supplies	\$1.05	\$1.16	4.0%	\$0.40	\$0.45	4.0%	\$0.06	\$0.06	4.0%
Endocrine and Metabolic Agents	\$1.32	\$1.41	2.5%	\$0.76	\$0.81	2.5%	\$0.33	\$0.35	1.7%
Gastrointestinal Agents	\$7.67	\$7.72	0.2%	\$2.53	\$2.68	2.3%	\$1.24	\$1.27	1.1%
Hematological Agents	\$1.58	\$1.71	3.2%	\$0.26	\$0.29	3.2%	\$0.02	\$0.02	3.2%
HIV	\$27.66	\$33.46	7.9%	\$6.76	\$7.45	3.9%	\$0.11	\$0.12	3.9%
Neurological Agents	\$3.37	\$3.08	-3.5%	\$1.04	\$0.95	-3.5%	\$0.02	\$0.02	-3.5%
Ophthalmic Agents	\$1.75	\$1.92	3.7%	\$0.48	\$0.53	3.7%	\$0.15	\$0.17	3.7%
Other	\$3.24	\$4.13	10.3%	\$1.43	\$1.82	10.3%	\$0.91	\$0.97	2.5%
Pain	\$3.45	\$3.48	0.3%	\$2.18	\$2.20	0.3%	\$0.24	\$0.25	0.6%
Pain - Migraine	\$1.28	\$1.70	11.8%	\$1.26	\$1.66	11.8%	\$0.03	\$0.03	7.8%
Stimulants and Attention Disorders	\$8.99	\$8.50	-2.2%	\$1.41	\$1.33	-2.2%	\$7.48	\$7.16	-1.7%
Substance Abuse	\$2.30	\$2.53	3.9%	\$4.07	\$4.48	3.9%	\$0.01	\$0.01	2.3%
Transplant Agents	\$1.15	\$1.20	1.7%	\$0.17	\$0.17	1.7%	\$0.02	\$0.03	1.7%
Vaccines	\$1.13	\$0.83	-11.4%	\$0.82	\$0.60	-11.4%	\$0.34	\$0.25	-11.4%
Vitamins and Nutritionals	\$3.92	\$4.09	1.7%	\$0.79	\$0.83	1.7%	\$0.22	\$0.23	1.7%
Total Traditional	\$220.44	\$246.01	4.5%	\$65.35	\$72.37	4.2%	\$21.56	\$21.76	0.4%

Exhibit 8A
Mississippi Division of Medicaid
MississippiCAN Program
Specialty Rx Trends by Therapeutic Class

Drug Class	SSI Population			Adult Population			Children Population		
	CY 2021 PMPM	Projected SFY 2024 PMPM	Annualized CY 2021 to SFY 2024 PMPM Trend	CY 2021 PMPM	Projected SFY 2024 PMPM	Annualized CY 2021 to SFY 2024 PMPM Trend	CY 2021 PMPM	Projected SFY 2024 PMPM	Annualized CY 2021 to SFY 2024 PMPM Trend
Antiasthmatic and COPD Agents	\$0.74	\$0.96	10.6%	\$0.34	\$0.41	8.2%	\$0.14	\$0.17	8.2%
Anticonvulsants	\$4.00	\$5.23	11.3%	\$0.01	\$0.01	11.3%	\$0.13	\$0.17	11.3%
Anti-Inflammatory	\$32.00	\$35.30	4.0%	\$17.83	\$22.22	9.2%	\$2.55	\$3.03	7.1%
Atopic Dermatitis - Monoclonal Antibodies	\$2.27	\$3.18	14.4%	\$1.35	\$1.54	5.5%	\$1.10	\$1.72	19.6%
Cancer - Chemotherapy	\$0.39	\$0.47	8.1%	\$0.10	\$0.13	8.1%	\$0.03	\$0.04	8.1%
Cancer - Non-chemotherapy	\$16.99	\$19.21	5.0%	\$1.85	\$2.09	5.0%	\$0.18	\$0.20	5.0%
Cancer - Others	\$0.09	\$0.10	1.7%	\$0.00	\$0.00	1.7%	\$0.00	\$0.00	1.7%
Cardiovascular	\$5.29	\$6.17	6.3%	\$0.01	\$0.02	6.3%	\$0.05	\$0.06	6.3%
Chelating Agents	\$4.21	\$4.20	0.0%	\$0.00	\$0.00	0.0%	\$0.05	\$0.05	0.0%
Contraceptives	\$0.00	\$0.00	4.0%	\$0.12	\$0.13	4.0%	\$0.00	\$0.00	4.0%
Cystic Fibrosis Agents	\$9.86	\$11.76	7.3%	\$0.16	\$0.19	7.3%	\$1.43	\$1.71	7.3%
Endocrine and Metabolic Agents	\$4.65	\$6.09	11.4%	\$2.71	\$3.55	11.4%	\$1.89	\$2.48	11.4%
Gastrointestinal Agents	\$1.53	\$2.05	12.5%	\$0.00	\$0.00	0.0%	\$0.01	\$0.01	12.5%
Growth Hormones	\$2.03	\$2.41	7.1%	\$0.01	\$0.01	4.0%	\$0.73	\$0.87	7.1%
Hematological Agents	\$2.45	\$2.73	4.4%	\$0.41	\$0.46	4.4%	\$0.07	\$0.08	4.4%
Hemophilia	\$0.00	\$0.00	0.0%	\$0.00	\$0.00	0.0%	\$0.02	\$0.02	8.7%
Hepatitis	\$2.82	\$2.83	0.1%	\$1.23	\$1.28	1.8%	\$0.06	\$0.07	2.0%
Hereditary Angioedema Agents	\$1.01	\$1.20	7.1%	\$0.00	\$0.00	0.0%	\$0.26	\$0.31	7.1%
Immune Serums	\$3.23	\$3.72	5.9%	\$2.15	\$2.47	5.9%	\$0.07	\$0.08	5.9%
Multiple Sclerosis	\$4.53	\$4.82	2.5%	\$2.33	\$2.48	2.5%	\$0.05	\$0.06	2.5%
Neurological Agents	\$5.08	\$6.21	8.4%	\$0.34	\$0.38	5.3%	\$0.00	\$0.00	5.3%
Other	\$4.69	\$5.78	8.7%	\$4.55	\$3.69	-8.0%	\$0.80	\$0.98	8.7%
Total Specialty	\$107.88	\$124.43	5.9%	\$35.50	\$41.08	6.0%	\$9.64	\$12.11	9.6%

Exhibit 9 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Enhanced Match Services								
	Medical Portion of Capitation Rate	COVID-19 Vaccine Administration	Family Planning (Non-waiver)	Breast and Cervical Cancer	Indian Health Services	Home Health Services	Rehab Services	Private Duty Nursing
Non-Newborn SSI / Disabled	\$1,178.31	\$1.51	\$0.86	\$0.39	\$0.52	\$2.89	\$22.96	\$9.70
North Region	1,071.84	1.37	0.78	0.36	0.47	2.63	20.89	8.82
Central Region	1,222.99	1.56	0.89	0.41	0.54	3.00	23.83	10.06
South Region	1,247.29	1.59	0.91	0.41	0.55	3.06	24.31	10.26
Breast and Cervical Cancer	\$3,114.60	\$1.63	\$0.06	\$3,112.91	\$0.00	\$0.00	\$0.00	\$0.00
North Region	2,833.17	1.48	0.06	2,831.63	0.00	0.00	0.00	0.00
Central Region	3,232.72	1.69	0.07	3,230.97	0.00	0.00	0.00	0.00
South Region	3,296.93	1.72	0.07	3,295.14	0.00	0.00	0.00	0.00
MA Adult	\$497.58	\$1.09	\$4.71	\$0.00	\$0.18	\$0.35	\$1.12	\$0.00
North Region	473.42	1.03	4.48	0.00	0.17	0.34	1.07	0.00
Central Region	509.12	1.11	4.82	0.00	0.19	0.36	1.15	0.00
South Region	507.53	1.11	4.80	0.00	0.18	0.36	1.14	0.00
Pregnant Women	\$648.58	\$0.50	\$11.18	\$0.00	\$0.01	\$0.17	\$0.30	\$0.00
North Region	617.10	0.48	10.63	0.00	0.01	0.16	0.28	0.00
Central Region	663.63	0.51	11.44	0.00	0.01	0.17	0.30	0.00
South Region	661.56	0.51	11.40	0.00	0.01	0.17	0.30	0.00
SSI / Disabled Newborn	\$7,520.28	\$0.00	\$0.00	\$0.00	\$0.00	\$4.79	\$0.00	\$92.34
North Region	7,426.95	0.00	0.00	0.00	0.00	4.73	0.00	91.19
Central Region	7,735.85	0.00	0.00	0.00	0.00	4.92	0.00	94.99
South Region	7,373.62	0.00	0.00	0.00	0.00	4.69	0.00	90.54
Non-SSI Newborns 0 to 2 Months	\$2,039.06	\$0.00	\$0.00	\$0.00	\$0.96	\$0.07	\$0.00	\$0.03
North Region	2,013.75	0.00	0.00	0.00	0.95	0.07	0.00	0.03
Central Region	2,097.51	0.00	0.00	0.00	0.99	0.07	0.00	0.03
South Region	1,999.29	0.00	0.00	0.00	0.94	0.06	0.00	0.03
Non-SSI Newborns 3 to 12 Months	\$262.22	\$0.00	\$0.00	\$0.00	\$0.69	\$0.05	\$0.00	\$1.13
North Region	258.97	0.00	0.00	0.00	0.68	0.05	0.00	1.12
Central Region	269.74	0.00	0.00	0.00	0.71	0.05	0.00	1.16
South Region	257.11	0.00	0.00	0.00	0.67	0.05	0.00	1.11
Foster Care	\$650.29	\$0.79	\$0.98	\$0.00	\$0.02	\$0.00	\$22.22	\$7.16
North Region	642.22	0.78	0.97	0.00	0.02	0.00	21.95	7.07
Central Region	668.93	0.81	1.01	0.00	0.02	0.00	22.86	7.36
South Region	637.61	0.77	0.96	0.00	0.02	0.00	21.79	7.02
MYPAC	\$3,535.36	\$1.07	\$2.28	\$0.00	\$0.05	\$0.00	\$11.92	\$0.00
North Region	3,491.49	1.06	2.26	0.00	0.05	0.00	11.77	0.00
Central Region	3,636.70	1.10	2.35	0.00	0.06	0.00	12.26	0.00
South Region	3,466.41	1.05	2.24	0.00	0.05	0.00	11.69	0.00
MA Children	\$205.13	\$0.57	\$1.06	\$0.00	\$0.40	\$0.01	\$5.78	\$0.25
North Region	202.58	0.56	1.05	0.00	0.40	0.01	5.71	0.25
Central Region	211.01	0.58	1.09	0.00	0.41	0.02	5.94	0.26
South Region	201.12	0.55	1.04	0.00	0.40	0.01	5.67	0.24
Quasi-CHIP	\$216.99	\$1.10	\$1.98	\$0.00	\$0.30	\$0.01	\$4.05	\$0.00
North Region	214.30	1.09	1.96	0.00	0.30	0.01	4.00	0.00
Central Region	223.21	1.13	2.04	0.00	0.31	0.01	4.17	0.00
South Region	212.76	1.08	1.94	0.00	0.29	0.01	3.97	0.00

Exhibit 10A Mississippi Division of Medicaid Summary of CY 2021 MississippiCAN Encounter Claims Summary of Total Costs by Rate Cell														
Member Months	745,395	1,708	570,832	570,832	117,512	117,512	5,146	70,289	238,386	79,811	9,828	3,350,611	348,614	5,538,132
Total Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non- Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$42,515,207	\$140,988	\$7,642,740	\$0	\$273,976	\$0	\$926,992	\$2,027,472	\$3,058,123	\$196,459	\$82,934	\$7,873,668	\$782,459	\$65,521,016
Surgical	\$59,631,045	\$121,723	\$11,364,573	\$0	\$326,949	\$0	\$1,842,525	\$4,409,541	\$2,940,623	\$499,821	\$63,877	\$12,992,004	\$1,390,727	\$95,583,408
Maternity / Deliveries	\$2,018,335	\$0	\$1,560,891	\$15,299,062	\$2,500,390	\$50,872,673	\$17,462,603	\$86,170,901	\$482,559	\$69,261	\$7,864	\$3,513,448	\$376,668	\$180,334,655
Psychiatric / Substance Abuse	\$21,640,384	\$10,192	\$3,355,905	\$0	\$141,760	\$0	\$0	\$0	\$5,433	\$17,648,883	\$3,930,126	\$29,545,905	\$3,284,262	\$79,562,849
Skilled Nursing Facility	\$4,713	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,713
Missing Data	\$321,171	\$664	\$64,726	\$40,066	\$8,029	\$137,597	\$64,369	\$231,381	\$17,342	\$2,844	\$628	\$112,359	\$12,238	\$1,013,416
Inpatient Behavioral Health Total	\$7,368,400	\$0	\$805,357	\$0	\$45,207	\$0	\$0	\$0	\$0	\$16,546,301	\$3,010,904	\$25,071,862	\$2,668,744	\$55,516,774
Inpatient Facility Total	\$126,130,856	\$273,566	\$23,988,835	\$15,339,129	\$3,251,104	\$51,010,270	\$20,296,488	\$92,839,295	\$6,504,079	\$18,417,268	\$4,085,429	\$54,037,384	\$5,846,354	\$422,020,058
Outpatient Facility Services														
Emergency Room	\$22,398,304	\$42,932	\$14,507,752	\$9,059	\$3,403,797	\$30,732	\$260,099	\$1,456,487	\$5,199,939	\$575,007	\$220,530	\$28,534,785	\$2,160,197	\$78,799,620
Urgent Care	\$0	\$0	\$0	\$0	\$0	\$0	\$147	\$0	\$294	\$0	\$107	\$2,956	\$137	\$3,877
Radiology / Pathology	\$23,538,125	\$457,258	\$12,045,774	\$5,485	\$3,317,862	\$24,885	\$162,105	\$723,400	\$2,742,955	\$512,724	\$148,828	\$19,215,783	\$1,883,645	\$64,778,830
Psychiatric / Alcohol & Drug Abuse	\$3,837,018	\$0	\$115,129	\$0	\$4,155	\$0	\$0	\$0	\$0	\$842,050	\$26,014	\$9,068,840	\$441,573	\$14,334,779
Pharmacy	\$35,673,482	\$834,232	\$5,897,660	\$5,059	\$1,230,167	\$18,608	\$15,930	\$88,015	\$234,989	\$91,028	\$23,979	\$5,312,712	\$566,500	\$49,992,352
Other	\$56,204,488	\$434,356	\$20,556,059	\$26,095	\$3,860,056	\$41,255	\$669,938	\$1,302,517	\$3,882,727	\$1,388,861	\$189,881	\$36,059,874	\$3,450,129	\$128,066,236
Missing Data	\$451,050	\$4,008	\$176,871	\$165	\$35,106	\$376	\$3,279	\$12,515	\$34,958	\$8,433	\$3,620	\$398,012	\$40,218	\$1,168,612
Outpatient Behavioral Health Total	\$3,577,373	\$0	\$11,979	\$0	\$490	\$0	\$0	\$0	\$0	\$841,979	\$26,028	\$9,055,103	\$443,905	\$13,956,856
Outpatient Facility Total	\$142,102,467	\$1,772,777	\$53,299,245	\$45,863	\$11,851,142	\$115,855	\$1,111,498	\$3,582,934	\$12,095,861	\$3,418,103	\$612,960	\$98,592,963	\$8,542,635	\$337,144,306
Physician Services														
IP Visits	\$11,756,317	\$28,230	\$2,080,933	\$81,107	\$296,711	\$185,583	\$6,354,299	\$12,542,533	\$1,909,157	\$254,284	\$167,865	\$2,693,443	\$288,426	\$38,638,890
IP Surgery	\$3,758,289	\$14,628	\$957,283	\$31,939	\$87,771	\$67,949	\$342,187	\$443,196	\$315,250	\$51,073	\$15,555	\$1,328,464	\$148,873	\$7,562,462
Office / Home Visits	\$32,951,187	\$142,089	\$19,421,745	\$1,912	\$1,327,155	\$3,569	\$384,348	\$2,826,008	\$8,567,405	\$2,124,164	\$361,125	\$66,401,757	\$6,519,600	\$141,032,063
Preventive Exams & Immunizations	\$4,480,916	\$15,284	\$6,861,261	\$154,310	\$11,060,181	\$363,829	\$197,194	\$8,107,592	\$9,162,687	\$657,989	\$87,471	\$22,948,064	\$1,651,252	\$65,748,031
Urgent Care Visits	\$361,486	\$1,024	\$658,179	\$0	\$66,227	\$0	\$789	\$113,962	\$76,122	\$13,294	\$2,563,864	\$283,353	\$4,140,178	\$4,140,178
ER Visits and Observation Care	\$7,395,036	\$13,769	\$4,726,002	\$15,278	\$1,214,250	\$58,919	\$83,211	\$513,102	\$1,682,305	\$191,079	\$78,903	\$9,380,426	\$701,414	\$26,053,694
OP Surgery	\$11,146,181	\$120,146	\$5,891,490	\$179	\$315,805	\$1,245	\$100,054	\$211,009	\$838,249	\$374,165	\$45,429	\$10,743,625	\$1,077,100	\$30,864,677
Physical Therapy	\$8,126,988	\$12,436	\$1,379,715	\$0	\$40,330	\$0	\$181,084	\$11,473	\$358,867	\$756,223	\$30,054	\$9,293,434	\$726,492	\$20,917,096
Psychiatric / Substance Abuse	\$29,834,578	\$13,503	\$4,467,091	\$1,302	\$242,104	\$1,824	\$980	\$2,571	\$2,938	\$3,982,305	\$18,505,714	\$31,802,813	\$3,625,175	\$92,482,899
Radiology / Pathology	\$12,191,813	\$173,512	\$10,200,463	\$147,139	\$5,765,373	\$436,029	\$201,656	\$617,547	\$2,812,490	\$573,138	\$110,724	\$22,373,113	\$2,199,284	\$57,802,281
Vision, Hearing, and Speech Exams	\$2,852,452	\$6,531	\$1,698,694	\$73	\$279,045	\$166	\$25,462	\$20,830	\$78,545	\$293,955	\$41,984	\$7,690,964	\$1,064,887	\$14,053,587
Other	\$24,648,428	\$943,832	\$5,051,861	\$3,730,824	\$907,953	\$12,565,313	\$403,304	\$459,533	\$523,676	\$952,268	\$4,440,133	\$7,357,766	\$1,142,725	\$63,127,616
Missing Data	\$284,422	\$3,634	\$143,952	\$9,111	\$53,138	\$35,392	\$14,247	\$77,739	\$61,089	\$5,630	\$2,099	\$396,572	\$42,497	\$1,129,523
Physician Behavioral Health Total	\$32,276,695	\$14,427	\$4,843,313	\$1,477	\$262,048	\$1,588	\$3,069	\$11,071	\$116,809	\$4,460,714	\$22,866,978	\$35,570,294	\$4,033,095	\$104,461,576
Physician Total	\$149,788,094	\$1,488,618	\$63,538,671	\$4,173,173	\$21,656,043	\$13,719,818	\$8,288,815	\$25,835,012	\$26,426,621	\$10,292,394	\$23,900,350	\$194,974,304	\$19,471,080	\$563,552,998
Pharmacy Services														
Pharmacy	\$244,050,225	\$937,031	\$64,635,824	\$88,015	\$4,651,709	\$241,212	\$3,083,084	\$797,579	\$5,639,218	\$7,135,304	\$1,777,312	\$96,386,398	\$13,445,110	\$442,868,023
Missing Data	\$709,635	\$2,391	\$184,277	\$296	\$12,282	\$649	\$5,765	\$2,737	\$17,275	\$3,314	\$3,113	\$331,235	\$45,889	\$1,332,557
Pharmacy Total	\$244,759,861	\$939,423	\$64,820,101	\$88,311	\$4,663,991	\$241,861	\$3,088,849	\$800,317	\$5,656,492	\$7,152,317	\$1,780,425	\$96,717,634	\$13,490,999	\$444,200,580
Dental Services														
Dental	\$6,203,061	\$6,081	\$2,908,628	\$110	\$424,147	\$109	\$3,972	\$41,723	\$259,455	\$1,987,397	\$300,649	\$71,343,280	\$9,790,370	\$93,268,982
Missing Data	\$19,381	\$22	\$8,256	\$0	\$1,252	\$0	\$5	\$32	\$67	\$3,314	\$180	\$217,179	\$34,272	\$283,961
Dental Total	\$6,222,442	\$6,103	\$2,916,885	\$110	\$425,399	\$109	\$3,977	\$41,755	\$259,522	\$1,990,711	\$300,829	\$71,560,459	\$9,824,641	\$93,552,942
Other Services														
Ambulance	\$9,399,082	\$14,684	\$2,544,149	\$87,803	\$434,239	\$169,891	\$125,108	\$772,501	\$510,350	\$146,924	\$124,493	\$3,978,738	\$337,317	\$18,645,278
Non-Emergency Transportation	\$8,433,615	\$47,169	\$888,161	\$4,584	\$197,050	\$6,159	\$117,118	\$32,220	\$109,594	\$30,955	\$31,111	\$1,113,900	\$61,989	\$11,073,624
DME	\$19,249,003	\$48,369	\$2,408,939	\$1,682	\$262,612	\$5,651	\$624,281	\$98,965	\$556,710	\$564,533	\$18,131	\$5,679,924	\$932,499	\$30,451,300
Glasses / Contacts	\$1,198,643	\$3,178	\$816,944	\$86	\$152,224	\$108	\$194	\$194	\$1,654	\$159,670	\$26,825	\$4,186,406	\$628,251	\$7,174,331
Other	\$10,973,062	\$32,309	\$123,013	\$0	\$7,733	\$18	\$408,038	\$9,107	\$236,380	\$390,802	\$16,973	\$1,221,311	\$104,522	\$13,523,268
Missing Data	\$5,315,554	\$9,818	\$957,956	\$10,234	\$132,930	\$21,815	\$27,225	\$99,138	\$346,102	\$578,060	\$28,524	\$6,329,942	\$634,125	\$14,491,423
Other Behavioral Health Total	\$608,903	\$443	\$73,974	\$0	\$3,304	\$0	\$0	\$0	\$0	\$32,327	\$6,031	\$509,980	\$75,879	\$1,310,842
Other Total	\$54,568,959	\$155,527	\$7,739,161	\$104,389	\$1,186,788	\$203,642	\$1,301,918	\$1,012,125	\$1,760,790	\$1,870,943	\$246,057	\$22,510,221	\$2,698,704	\$95,359,224
Total Behavioral Health	\$43,831,370	\$14,870	\$5,734,623	\$1,477	\$131,049	\$1,588	\$3,069	\$11,071	\$116,809	\$21,881,321	\$25,909,941	\$70,207,239	\$7,221,623	\$175,246,048
Grand Total	\$723,572,679	\$4,636,014	\$216,302,898	\$19,750,975	\$43,034,467	\$65,291,555	\$34,091,546	\$124,111,438	\$52,703,365	\$43,141,736	\$30,926,050	\$538,392,966	\$59,874,417	\$1,955,830,108

Exhibit 10B Mississippi Division of Medicaid Summary of CY 2021 MississippiCAN Encounter Claims Summary of Allowed PMPM by Rate Cell														
Member Months	745,395	1,708	570,832	570,832	117,512	117,512	5,146	70,289	238,386	79,811	9,828	3,350,611	348,614	5,538,132
PMPM Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$57.04	\$82.55	\$13.39	\$0.00	\$2.33	\$0.00	\$180.14	\$28.84	\$12.83	\$2.46	\$8.44	\$2.35	\$2.24	\$11.83
Surgical	\$80.00	\$71.27	\$19.91	\$0.00	\$2.78	\$0.00	\$358.05	\$62.73	\$12.34	\$6.26	\$6.50	\$3.88	\$3.99	\$17.26
Maternity / Deliveries	\$2.71	\$0.00	\$2.73	\$26.80	\$21.28	\$432.91	\$3,393.43	\$1,225.95	\$2.02	\$0.87	\$0.80	\$1.05	\$1.08	\$32.56
Psychiatric / Substance Abuse	\$29.03	\$5.97	\$5.88	\$0.00	\$1.21	\$0.00	\$0.00	\$0.00	\$0.02	\$221.13	\$399.89	\$8.82	\$9.42	\$14.37
Skilled Nursing Facility	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Missing Data	\$0.43	\$0.39	\$0.11	\$0.07	\$0.07	\$1.17	\$12.51	\$3.29	\$0.07	\$0.04	\$0.06	\$0.03	\$0.04	\$0.18
Inpatient Behavioral Health Total	\$9.89	\$0.00	\$1.41	\$0.00	\$0.38	\$0.00	\$0.00	\$0.00	\$0.00	\$207.32	\$306.36	\$7.48	\$7.66	\$10.02
Inpatient Facility Total	\$169.21	\$160.17	\$42.02	\$26.87	\$27.67	\$434.09	\$3,944.13	\$1,320.82	\$27.28	\$230.76	\$415.69	\$16.13	\$16.77	\$76.20
Outpatient Facility Services														
Emergency Room	\$30.05	\$25.14	\$25.42	\$0.02	\$28.97	\$0.26	\$50.54	\$20.72	\$21.81	\$7.20	\$22.44	\$8.52	\$6.20	\$14.23
Urgent Care	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.03	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00
Radiology / Pathology	\$31.58	\$267.72	\$21.10	\$0.01	\$28.23	\$0.21	\$31.50	\$10.29	\$11.51	\$6.42	\$15.14	\$5.74	\$5.40	\$11.70
Psychiatric / Alcohol & Drug Abuse	\$5.15	\$0.00	\$0.20	\$0.00	\$0.04	\$0.00	\$0.00	\$0.00	\$0.00	\$10.55	\$2.65	\$2.71	\$1.27	\$2.59
Pharmacy	\$47.86	\$488.42	\$10.33	\$0.01	\$10.47	\$0.16	\$3.10	\$1.25	\$0.99	\$1.14	\$2.44	\$1.59	\$1.63	\$9.03
Other	\$75.40	\$254.31	\$36.01	\$0.05	\$32.85	\$0.35	\$130.19	\$18.53	\$16.29	\$17.40	\$19.32	\$10.76	\$9.90	\$23.12
Missing Data	\$0.61	\$2.35	\$0.31	\$0.00	\$0.30	\$0.00	\$0.64	\$0.18	\$0.15	\$0.11	\$0.37	\$0.12	\$0.12	\$0.21
Outpatient Behavioral Health Total	\$4.80	\$0.00	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.55	\$2.65	\$2.70	\$1.27	\$2.52
Outpatient Facility Total	\$190.64	\$1,037.93	\$93.37	\$0.08	\$100.85	\$0.99	\$215.99	\$50.97	\$50.74	\$42.83	\$62.37	\$29.43	\$24.50	\$60.88
Physician Services														
IP Visits	\$15.77	\$16.53	\$3.65	\$0.14	\$2.52	\$1.58	\$1,234.80	\$178.44	\$8.01	\$3.19	\$17.08	\$0.80	\$0.83	\$6.98
IP Surgery	\$5.04	\$8.56	\$1.68	\$0.06	\$0.75	\$0.58	\$66.50	\$6.31	\$1.32	\$0.64	\$1.58	\$0.40	\$0.43	\$1.37
Office / Home Visits	\$44.21	\$83.19	\$34.02	\$0.00	\$11.29	\$0.03	\$74.69	\$40.21	\$35.94	\$26.61	\$36.74	\$19.82	\$18.70	\$25.47
Preventive Exams & Immunizations	\$6.01	\$8.95	\$12.02	\$0.27	\$94.12	\$3.10	\$38.32	\$115.35	\$38.44	\$8.24	\$8.90	\$6.85	\$4.74	\$11.87
Urgent Care Visits	\$0.48	\$0.60	\$1.15	\$0.00	\$0.56	\$0.00	\$0.15	\$0.03	\$0.48	\$0.95	\$1.35	\$0.77	\$0.81	\$0.75
ER Visits and Observation Care	\$9.92	\$8.06	\$8.28	\$0.03	\$10.33	\$0.50	\$16.17	\$7.30	\$7.06	\$2.39	\$8.03	\$2.80	\$2.01	\$4.70
OP Surgery	\$14.95	\$70.34	\$10.32	\$0.00	\$2.69	\$0.01	\$19.44	\$3.00	\$3.52	\$4.69	\$4.62	\$3.21	\$3.09	\$5.57
Physical Therapy	\$10.90	\$7.28	\$2.42	\$0.00	\$0.34	\$0.00	\$35.19	\$0.16	\$1.51	\$9.48	\$3.06	\$2.77	\$2.08	\$3.78
Psychiatric / Substance Abuse	\$40.03	\$7.91	\$7.83	\$0.00	\$2.06	\$0.02	\$0.19	\$0.04	\$0.01	\$49.90	\$1,882.96	\$9.49	\$10.40	\$16.70
Radiology / Pathology	\$16.36	\$101.59	\$17.87	\$0.26	\$49.06	\$3.71	\$39.19	\$8.79	\$11.80	\$7.18	\$11.27	\$6.68	\$6.31	\$10.44
Vision, Hearing, and Speech Exams	\$3.83	\$3.82	\$2.98	\$0.00	\$2.37	\$0.00	\$4.95	\$0.30	\$0.33	\$3.68	\$4.27	\$2.30	\$3.05	\$2.54
Other	\$33.07	\$552.60	\$8.85	\$6.54	\$7.73	\$106.93	\$78.37	\$6.54	\$2.20	\$11.93	\$451.78	\$2.20	\$3.28	\$11.40
Missing Data	\$0.38	\$2.13	\$0.25	\$0.02	\$0.45	\$0.30	\$2.77	\$1.11	\$0.26	\$0.07	\$0.21	\$0.12	\$0.12	\$0.20
Physician Behavioral Health Total	\$43.30	\$8.45	\$8.48	\$0.00	\$2.23	\$0.01	\$0.60	\$0.16	\$0.49	\$55.89	\$2,326.72	\$10.62	\$11.57	\$18.86
Physician Total	\$200.95	\$871.56	\$111.31	\$7.31	\$184.29	\$116.75	\$1,610.73	\$367.55	\$110.86	\$128.96	\$2,431.86	\$58.19	\$55.85	\$101.76
Pharmacy Services														
Pharmacy	\$327.41	\$548.61	\$113.23	\$0.15	\$39.58	\$2.05	\$599.12	\$11.35	\$23.66	\$89.40	\$180.84	\$28.77	\$38.57	\$79.97
Missing Data	\$0.95	\$1.40	\$0.32	\$0.00	\$0.10	\$0.01	\$1.12	\$0.04	\$0.07	\$0.21	\$0.32	\$0.10	\$0.13	\$0.24
Pharmacy Total	\$328.36	\$550.01	\$113.55	\$0.15	\$39.69	\$2.06	\$600.24	\$11.39	\$23.73	\$89.62	\$181.16	\$28.87	\$38.70	\$80.21
Dental Services														
Dental	\$8.32	\$3.56	\$5.10	\$0.00	\$3.61	\$0.00	\$0.77	\$0.59	\$1.09	\$24.90	\$30.59	\$21.29	\$28.08	\$16.84
Missing Data	\$0.03	\$0.01	\$0.01	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.04	\$0.02	\$0.06	\$0.10	\$0.05
Dental Total	\$8.35	\$3.57	\$5.11	\$0.00	\$3.62	\$0.00	\$0.77	\$0.59	\$1.09	\$24.94	\$30.61	\$21.36	\$28.18	\$16.89
Other Services														
Ambulance	\$12.61	\$8.60	\$4.46	\$0.15	\$3.70	\$1.45	\$24.31	\$10.99	\$2.14	\$1.84	\$12.67	\$1.19	\$0.97	\$3.37
Non-Emergency Transportation	\$11.31	\$27.62	\$1.56	\$0.01	\$1.68	\$0.05	\$22.76	\$0.46	\$0.46	\$0.39	\$3.17	\$0.33	\$0.18	\$2.00
DME	\$25.82	\$28.32	\$4.22	\$0.00	\$2.23	\$0.05	\$121.31	\$1.41	\$2.34	\$7.07	\$1.84	\$0.70	\$2.67	\$5.50
Glasses / Contacts	\$1.61	\$1.86	\$1.43	\$0.00	\$1.30	\$0.00	\$0.03	\$0.00	\$0.01	\$2.00	\$2.73	\$1.25	\$1.80	\$1.30
Other	\$14.72	\$18.92	\$0.22	\$0.00	\$0.07	\$0.00	\$79.29	\$0.13	\$0.99	\$4.90	\$1.73	\$0.36	\$0.30	\$2.44
Missing Data	\$7.13	\$5.75	\$1.68	\$0.02	\$1.13	\$0.19	\$5.29	\$1.41	\$1.45	\$7.24	\$2.90	\$1.89	\$1.82	\$2.62
Other Behavioral Health Total	\$0.82	\$0.26	\$0.13	\$0.00	\$0.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.41	\$0.61	\$0.15	\$0.22	\$0.24
Other Total	\$73.21	\$91.06	\$13.56	\$0.18	\$10.10	\$1.73	\$253.00	\$14.40	\$7.39	\$23.44	\$25.04	\$6.72	\$7.74	\$17.22
Total Behavioral Health	\$58.80	\$8.71	\$10.05	\$0.00	\$2.65	\$0.01	\$0.60	\$0.16	\$0.49	\$274.16	\$2,636.34	\$20.95	\$20.72	\$31.64
Grand Total	\$970.72	\$2,714.29	\$378.93	\$34.60	\$366.21	\$555.62	\$6,624.86	\$1,765.73	\$221.08	\$540.55	\$3,146.73	\$160.69	\$171.75	\$353.16

Exhibit 10C Mississippi Division of Medicaid Summary of CY 2021 MississippiCAN Encounter Claims Summary of Total Costs by Rate Cell														
Member Months	745,395	1,708	570,832	570,832	117,512	117,512	5,146	70,289	238,386	79,811	9,828	3,350,611	348,614	5,538,132
% of Total Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	5.9%	3.0%	3.5%	0.0%	0.6%	0.0%	2.7%	1.6%	5.8%	0.5%	0.3%	1.5%	1.3%	3.4%
Surgical	8.2%	2.6%	5.3%	0.0%	0.8%	0.0%	5.4%	3.6%	5.6%	1.2%	0.2%	2.4%	2.3%	4.9%
Maternity / Deliveries	0.3%	0.0%	0.7%	77.5%	5.8%	77.9%	51.2%	69.4%	0.9%	0.2%	0.0%	0.7%	0.6%	9.2%
Psychiatric / Substance Abuse	3.0%	0.2%	1.6%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	40.9%	12.7%	5.5%	5.5%	4.1%
Skilled Nursing Facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing Data	0.0%	0.0%	0.0%	0.2%	0.0%	0.2%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Inpatient Behavioral Health Total	1.0%	0.0%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	38.4%	9.7%	4.7%	4.5%	2.8%
Inpatient Facility Total	17.4%	5.9%	11.1%	77.7%	7.6%	78.1%	59.5%	74.8%	12.3%	42.7%	13.2%	10.0%	9.8%	21.6%
Outpatient Facility Services														
Emergency Room	3.1%	0.9%	6.7%	0.0%	7.9%	0.0%	0.8%	1.2%	9.9%	1.3%	0.7%	5.3%	3.6%	4.0%
Urgent Care	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Radiology / Pathology	3.3%	9.9%	5.6%	0.0%	7.7%	0.0%	0.5%	0.6%	5.2%	1.2%	0.5%	3.6%	3.1%	3.3%
Psychiatric / Alcohol & Drug Abuse	0.5%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.1%	1.7%	0.7%	0.7%
Pharmacy	4.9%	18.0%	2.7%	0.0%	2.9%	0.0%	0.0%	0.1%	0.4%	0.2%	0.1%	1.0%	0.9%	2.6%
Other	7.8%	9.4%	9.5%	0.1%	9.0%	0.1%	2.0%	1.0%	7.4%	3.2%	0.6%	6.7%	5.8%	6.5%
Missing Data	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%
Outpatient Behavioral Health Total	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.1%	1.7%	0.7%	0.7%
Outpatient Facility Total	19.6%	38.2%	24.6%	0.2%	27.5%	0.2%	3.3%	2.9%	23.0%	7.9%	2.0%	18.3%	14.3%	17.2%
Physician Services														
IP Visits	1.6%	0.6%	1.0%	0.4%	0.7%	0.3%	18.6%	10.1%	3.6%	0.6%	0.5%	0.5%	0.5%	2.0%
IP Surgery	0.5%	0.3%	0.4%	0.2%	0.2%	0.1%	1.0%	0.4%	0.6%	0.1%	0.1%	0.2%	0.2%	0.4%
Office / Home Visits	4.6%	3.1%	9.0%	0.0%	3.1%	0.0%	1.1%	2.3%	16.3%	4.9%	1.2%	12.3%	10.9%	7.2%
Preventive Exams & Immunizations	0.6%	0.3%	3.2%	0.8%	25.7%	0.6%	0.6%	6.5%	17.4%	1.5%	0.3%	4.3%	2.8%	3.4%
Urgent Care Visits	0.0%	0.0%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.5%	0.5%	0.2%
ER Visits and Observation Care	1.0%	0.3%	2.2%	0.1%	2.8%	0.1%	0.2%	0.4%	3.2%	0.4%	0.3%	1.7%	1.2%	1.3%
OP Surgery	1.5%	2.6%	2.7%	0.0%	0.7%	0.0%	0.3%	0.2%	1.6%	0.9%	0.1%	2.0%	1.8%	1.6%
Physical Therapy	1.1%	0.3%	0.6%	0.0%	0.1%	0.0%	0.5%	0.0%	0.7%	1.8%	0.1%	1.7%	1.2%	1.1%
Psychiatric / Substance Abuse	4.1%	0.3%	2.1%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	9.2%	59.8%	5.9%	6.1%	4.7%
Radiology / Pathology	1.7%	3.7%	4.7%	0.7%	13.4%	0.7%	0.6%	0.5%	5.3%	1.3%	0.4%	4.2%	3.7%	3.0%
Vision, Hearing, and Speech Exams	0.4%	0.1%	0.8%	0.0%	0.6%	0.0%	0.1%	0.0%	0.1%	0.7%	0.1%	1.4%	1.8%	0.7%
Other	3.4%	20.4%	2.3%	18.9%	2.1%	19.2%	1.2%	0.4%	1.0%	2.2%	14.4%	1.4%	1.9%	3.2%
Missing Data	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%
Physician Behavioral Health Total	4.5%	0.3%	2.2%	0.0%	0.6%	0.0%	0.0%	0.0%	0.2%	10.3%	73.9%	6.6%	6.7%	5.3%
Physician Total	20.7%	32.1%	29.4%	21.1%	50.3%	21.0%	24.3%	20.8%	50.1%	23.9%	77.3%	36.2%	32.5%	28.8%
Pharmacy Services														
Pharmacy	33.7%	20.2%	29.9%	0.4%	10.8%	0.4%	9.0%	0.6%	10.7%	16.5%	5.7%	17.9%	22.5%	22.6%
Missing Data	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
Pharmacy Total	33.8%	20.3%	30.0%	0.4%	10.8%	0.4%	9.1%	0.6%	10.7%	16.6%	5.8%	18.0%	22.5%	22.7%
Dental Services														
Dental	0.9%	0.1%	1.3%	0.0%	1.0%	0.0%	0.0%	0.0%	0.5%	4.6%	1.0%	13.3%	16.4%	4.8%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Dental Total	0.9%	0.1%	1.3%	0.0%	1.0%	0.0%	0.0%	0.0%	0.5%	4.6%	1.0%	13.3%	16.4%	4.8%
Other Services														
Ambulance	1.3%	0.3%	1.2%	0.4%	1.0%	0.3%	0.4%	0.6%	1.0%	0.3%	0.4%	0.7%	0.6%	1.0%
Non-Emergency Transportation	1.2%	1.0%	0.4%	0.0%	0.5%	0.0%	0.3%	0.0%	0.2%	0.1%	0.1%	0.2%	0.1%	0.6%
DME	2.7%	1.0%	1.1%	0.0%	0.6%	0.0%	1.8%	0.1%	1.1%	1.3%	0.1%	1.6%	1.6%	1.6%
Glasses / Contacts	0.2%	0.1%	0.4%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.4%	0.1%	0.8%	1.0%	0.4%
Other	1.5%	0.7%	0.1%	0.0%	0.0%	0.0%	1.2%	0.0%	0.4%	0.9%	0.1%	0.2%	0.2%	0.7%
Missing Data	0.7%	0.2%	0.4%	0.1%	0.3%	0.0%	0.1%	0.1%	0.7%	1.3%	0.1%	1.2%	1.1%	0.7%
Other Behavioral Health Total	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.1%
Other Total	7.5%	3.4%	3.6%	0.5%	2.8%	0.3%	3.8%	0.8%	3.3%	4.3%	0.8%	4.2%	4.5%	4.9%
Total Behavioral Health	6.1%	0.3%	2.7%	0.0%	0.7%	0.0%	0.0%	0.0%	0.2%	50.7%	83.8%	13.0%	12.1%	9.0%
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Exhibit 10D Mississippi Division of Medicaid Summary of CY 2021 MississippiCAN Encounter Claims Summary of Utilization/1000 and Average Charge by Rate Cell														
Member Months	745,395	1,708	570,832	570,832	117,512	117,512	5,146	70,289	238,386	79,811	9,828	3,350,611	348,614	5,538,132
Utilization/1000														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	66.5	77.3	16.5	0.0	3.6	0.0	228.5	44.4	24.3	5.0	13.4	4.1	3.6	15.4
Surgical	41.8	63.2	13.2	0.0	4.0	0.0	130.6	28.7	7.4	4.1	4.9	2.4	2.3	9.6
Maternity / Deliveries	4.5	0.0	4.7	53.0	49.8	997.7	408.1	3,072.9	0.2	1.4	1.2	2.2	2.4	69.6
Psychiatric / Substance Abuse	47.0	21.1	12.9	0.0	2.9	0.0	0.0	0.0	0.0	100.3	451.8	8.2	9.8	15.6
Skilled Nursing Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inpatient Behavioral Health Total	12.3	0.0	2.5	0.0	1.0	0.0	0.0	0.0	0.0	78.8	319.9	5.9	6.8	7.6
Inpatient Facility Total	159.8	161.6	47.4	53.0	60.2	997.7	767.2	3,145.9	31.8	110.7	471.3	16.9	18.1	110.2
Pharmacy Services														
Pharmacy	26,685.1	34,742.4	15,820.4	93.9	8,433.1	1,506.9	12,830.2	3,284.2	6,458.9	11,003.9	23,943.8	5,411.7	5,593.8	9,612.5
Pharmacy Total	26,685.1	34,742.4	15,820.4	93.9	8,433.1	1,506.9	12,830.2	3,284.2	6,458.9	11,003.9	23,943.8	5,411.7	5,593.8	9,612.5
Average Charge														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$10,294.24	\$12,817.09	\$9,723.59	\$0.00	\$7,827.89	\$0.00	\$9,459.10	\$7,797.97	\$6,344.65	\$5,953.29	\$7,539.42	\$6,811.13	\$7,523.64	\$9,220.52
Surgical	\$22,970.36	\$13,524.78	\$18,096.45	\$0.00	\$8,383.32	\$0.00	\$32,902.22	\$26,247.27	\$20,004.24	\$18,511.91	\$15,969.21	\$19,105.89	\$21,071.62	\$21,625.21
Maternity / Deliveries	\$7,208.34	\$0.00	\$6,937.29	\$6,068.65	\$5,123.75	\$5,207.03	\$99,786.30	\$4,787.54	\$160,852.87	\$7,695.64	\$7,863.86	\$5,846.00	\$5,305.19	\$5,610.39
Psychiatric / Substance Abuse	\$7,406.02	\$3,397.22	\$5,465.64	\$0.00	\$5,062.84	\$0.00	\$0.00	\$0.00	\$0.00	\$26,460.09	\$10,621.96	\$12,913.42	\$11,523.73	\$11,085.81
Skilled Nursing Facility	\$4,713.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,713.44
Inpatient Behavioral Health Total	\$9,631.90	\$0.00	\$6,767.71	\$0.00	\$4,520.74	\$0.00	\$0.00	\$0.00	\$0.00	\$31,576.91	\$11,492.00	\$15,259.81	\$13,478.50	\$15,767.33
Inpatient Facility Total	\$12,703.28	\$11,894.19	\$10,647.51	\$6,084.54	\$5,510.35	\$5,221.11	\$61,691.45	\$5,038.22	\$10,291.26	\$25,023.46	\$10,584.01	\$11,436.48	\$11,114.74	\$8,299.80
Pharmacy Services														
Pharmacy	\$147.23	\$189.49	\$85.89	\$19.70	\$56.33	\$16.35	\$560.36	\$41.46	\$43.95	\$97.50	\$90.63	\$63.79	\$82.74	\$99.83
Pharmacy Total	\$147.66	\$189.97	\$86.13	\$19.77	\$56.48	\$16.39	\$561.40	\$41.60	\$44.08	\$97.73	\$90.79	\$64.01	\$83.02	\$100.13

Exhibit 11
Mississippi Division of Medicaid
Encounter Data - 5% Assessment Categories

COS	COS Description	Rendering Provider Code	Rendering Provider Type Description	Mapped Broad Category of Service	Percent of Total 2021 Allowed in COS and Rendering Provider
03	LABORATORY AND RADIOLOGY	B00	INDEPENDENT LAB	Physician	0.54%
05	PHYSICIAN	A08	CHIROPRACITOR	Physician	0.02%
05	PHYSICIAN	A09	PODIATRIST	Physician	0.02%
06	HOME & COMM BASED SERVICES	L00	HHA UNCLASSIFIED	N/A - No Claims	0.00%
06	HOME & COMM BASED SERVICES	L02	HHA HOSPITAL BASED PROGRAM	N/A - No Claims	0.00%
06	HOME & COMM BASED SERVICES	W01	PERSONAL CARE SERVICES	Other	0.00%
06	HOME & COMM BASED SERVICES	W03	RESPIRE CARE, IN HOME	N/A - No Claims	0.00%
06	HOME & COMM BASED SERVICES	W04	ADULT DAY CARE	N/A - No Claims	0.00%
06	HOME & COMM BASED SERVICES	WC0	ASSISTED LIVING SERVICES PROV	N/A - No Claims	0.00%
07	HOME HEALTH SERVICES	L00	HHA UNCLASSIFIED	Outpatient	0.04%
07	HOME HEALTH SERVICES	L02	HHA HOSPITAL BASED PROGRAM	Outpatient	0.02%
09	MENTAL HEALTH CLINIC SERVICES	X00	COMMUNITY MENTAL HEALTH	Physician, Outpatient	0.17%
09	MENTAL HEALTH CLINIC SERVICES	X01	PRIVATE MENTAL HEALTH	Physician	0.53%
10	EPSDT SCREENING	E00	NURSE SCREENING	Physician	0.14%
10	EPSDT SCREENING	E01	NURSE SCREENING WITH CASE MGMT	N/A - No Claims	0.00%
10	EPSDT SCREENING	E04	PHYSICIANS SCREENER	Physician	0.35%
10	EPSDT SCREENING	E06	FEDERAL CLINIC, SCREEN ONLY	Physician	0.01%
10	EPSDT SCREENING	ED0	SCHOOL BASED SCREEN & CS MGT	Physician	0.00%
10	EPSDT SCREENING	EVO	VACCINE FOR CHILDREN PROVIDER	Physician	0.10%
11	EMERG/NON-EMERG TRANS	J00	AMBULANCE	Other	0.46%
12	DENTAL SERVICES	K00	DENTIST, UNCLASSIFIED	Dental	0.14%
13	EYEGLASS SERVICES	N00	OPTOMETRIST	Physician, Other	0.15%
13	EYEGLASS SERVICES	N01	OPTICAL DISPENSARY	Other	0.01%
16	DENTAL SCREENING	K00	DENTIST, UNCLASSIFIED	Dental	2.29%
17	EYEGLASS SCREENING	N00	OPTOMETRIST	Physician, Other	0.31%
17	EYEGLASS SCREENING	N01	OPTICAL DISPENSARY	Other	0.02%
18	HEARING SCREENING	M00	AUDIOLOGIST	Other, Physician	0.01%
24	MEDICAL SUPPLY (DME)	I00	DME, MEDICAL EQUIP SUPPLIES	Other, Physician	0.78%
24	MEDICAL SUPPLY (DME)	I01	DME, HOME HEALTH	Other	0.01%
24	MEDICAL SUPPLY (DME)	I03	DME, PHARMACY BASED, COMMUNITY	Other, Physician	0.07%
24	MEDICAL SUPPLY (DME)	S02	NURSE PRACTITIONER	Physician, Other	0.00%
24	MEDICAL SUPPLY (DME)	Y03	NF, COUNTY OWNED	N/A - No Claims	0.00%
24	MEDICAL SUPPLY (DME)	ZA0	GROUP, PHYSICIANS	N/A - No Claims	0.00%
24	MEDICAL SUPPLY (DME)	ZZ0	GROUP, OTHERS	N/A - No Claims	0.00%
25	THERAPY SERVICES (OUTSIDE HH)	T00	OCCUPATIONAL THERAPISTS	Physician	0.13%
25	THERAPY SERVICES (OUTSIDE HH)	T01	PHYSICAL THERAPISTS	Physician	0.22%
25	THERAPY SERVICES (OUTSIDE HH)	T02	SPEECH/LANGUAGE THERAPISTS	Physician	0.21%
28	NURSE SERVICES	S00	NURSE ANESTHETIST	Physician	0.15%
28	NURSE SERVICES	S01	NURSE MIDWIVES	Physician	0.01%
28	NURSE SERVICES	S02	NURSE PRACTITIONER	Physician	1.15%
28	NURSE SERVICES	S05	PRIVATE DUTY NURSING	Other	0.17%
28	NURSE SERVICES	S06	PHYSICIAN ASSISTANT	Physician	0.08%
29	AMBULATORY SURGICAL CENTER	V00	AMBULATORY SURGICAL CENTERS	Physician, Outpatient	0.21%
30	PERSONAL CARE SERVICES	W06	PERSONAL CARE ATTENDANT	N/A - No Claims	0.00%
33	MENTAL HEALTH PRIVATE SERVICES	X02	SOCIAL WORKER	Physician	0.09%
33	MENTAL HEALTH PRIVATE SERVICES	X03	PSYCHOLOGIST	Physician	0.02%
33	MENTAL HEALTH PRIVATE SERVICES	X05	IDD COMMUNITY SUPPORT PROGRAM	Outpatient, Physician	0.00%
33	MENTAL HEALTH PRIVATE SERVICES	X07	LICENSED PROFESIONAL COUNSELOR	Physician	0.20%
33	MENTAL HEALTH PRIVATE SERVICES	X08	BOARD CERTIFD BEHAVIOR ANALYST	Physician	0.02%
35	FREE STANDING DIALYSIS	Q01	KIDNEY DIALYSIS FREESTANDING	Outpatient	0.30%
35	FREE STANDING DIALYSIS	Q02	KIDNEY DIALYSIS HOSPITAL BASED	Outpatient	0.00%
61	PRESCRIBED PED EXT CARE CENTER	S07	PRESCRIBED PED EXT CARE CENTER	Physician	0.18%
57	MYPAC SERVICES	X04	N/A	Physician	0.64%
Percent of Allowed Eligible for 5% Assessment (A)					9.97%
5% Assessment Adjustment (B) = 1 - (A) * 0.05					0.9950

Exhibit 12
Mississippi Division of Medicaid
Summary of Program, Population, and Reimbursement Changes

Change	Change Type	Effective Date	Impacted Rate Cells	Where Reflected in Rate Development
PDL Adjustment	Program	Annually on January 1	All	Exhibit 2A
Seasonal Virus Adjustment	Program	March 15, 2021	All	Exhibit 2A
Acuity Adjustment - Shift to FFS	Program	June 1, 2021	MA Adult, MA Children, Quasi-CHIP	Exhibit 2A
Pharmacy Rate Freeze Repricing	Reimbursement	July 1, 2021	All	Exhibit 1
SSI Children - COE Change	Program	July 1, 2021	SSI	Exhibit 1
Removal of 5% Assessment	Reimbursement	July 1, 2021	All	Exhibit 2A
Preventative and Diagnostic Dental Reimbursement Change	Reimbursement	July 1, 2021, July 1, 2022 and July 1, 2023	All	Exhibit 2A
Psychiatric Residential Treatment Facilities (PRTF) Fee Schedule Update	Reimbursement	January 1, 2023 and January 1, 2024	All	Exhibit 2A
Restorative Dental Reimbursement Change	Reimbursement	July 1, 2022, July 1, 2023 and July 1, 2024	All	Exhibit 2A
Prescribed Pediatric Extended Care (PPEC) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2A
Private Duty Nursing Services (PDN) Fee Schedule Update	Reimbursement	October 1, 2022 and July 1, 2023	All	Exhibit 2A
Behavioral Health Services (BHS) Fee Schedule Update	Reimbursement	July 1, 2023 and November 1, 2023	All	Exhibit 2A
Mississippi Youth Program Around the Clock (MYPAC) Fee Schedule Update	Reimbursement	November 1, 2023	All	Exhibit 2A
Orthodontia Services Fee Schedule Update	Reimbursement	October 1, 2023	All	Exhibit 2A
Ambulatory Surgical Center (ASC) Fee Schedule Update	Reimbursement	October 1, 2023 and January 1, 2024	All	Exhibit 2A
Home Health Agency (HHA) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2A
Autism Spectrum Disorder (ASD) Fee Schedule Update	Reimbursement	January 1, 2023	All	Exhibit 2A
Postpartum Coverage Extension	Reimbursement	July 1, 2023	Pregnant Women	Exhibit 2A
MYPAC Member Identification Change	Population	July 1, 2022	Non-Newborn SSI / Disabled, Foster Care, MYPAC, MA Children, Quasi-CHIP	Exhibit 1

Exhibit 11A Mississippi Division of Medicaid Projected SFY 2023 and SFY 2024 Exposures		
Cap. Cell	SFY 2023 Exposures	SFY 2024 Exposures
Non-Newborn SSI / Disabled	719,346	713,375
Breast and Cervical Cancer	992	947
MA Adult	469,546	551,911
Pregnant Women	93,502	175,053
SSI / Disabled Newborn	4,066	7,065
Non-SSI Newborns 0 to 2 Months	74,603	67,990
Non-SSI Newborns 3 to 12 Months	215,942	234,084
Foster Care	86,381	90,993
MYPAC	5,177	13,368
MA Children	2,631,991	2,821,371
Quasi-CHIP	287,026	319,128
Total - All Cap Cells	4,586,971	4,995,247

Exhibit 11B Mississippi Division of Medicaid Components of SFY 2023 Cancellation Rates					
Cap. Cell	Non-Service Expenses		Quality Withhold	Total	
	PMFPM	PMFPM		Capitation Rate Prior to Withhold	Capitation Rate after Withhold
Non-Newborn SSI / Disabled	\$1,079.30	\$129.04	(\$12.08)	\$1,206.34	\$1,196.25
Breast and Cervical Cancer	\$3,488.34	\$390.92	(\$38.79)	\$3,879.26	\$3,840.47
MA Adult	\$490.24	\$65.00	(\$5.55)	\$555.24	\$549.69
Pregnant Women	\$1,033.58	\$123.85	(\$11.55)	\$1,155.43	\$1,143.87
SSI / Disabled Newborn	\$8,000.01	\$881.38	(\$88.81)	\$8,881.39	\$8,792.57
Non-SSI Newborns 0 to 2 Month	\$2,834.16	\$211.10	(\$20.45)	\$2,045.26	\$2,024.81
Non-SSI Newborns 3 to 12 Month	\$248.67	\$38.74	(\$2.87)	\$287.41	\$284.54
Foster Care	\$639.31	\$81.20	(\$7.21)	\$720.51	\$713.31
MYPAC	\$417.95	\$417.80	(\$41.53)	\$4,103.40	\$4,111.86
MA Children	\$200.39	\$33.49	(\$2.34)	\$233.88	\$231.54
Quasi-CHIP	\$202.70	\$33.74	(\$2.39)	\$236.44	\$234.08
Total - All Cap Cells ¹	\$433.42	\$58.82	(\$4.92)	\$492.24	\$487.32
Using SFY 2023 Exposures	\$440.81	\$59.63	(\$5.00)	\$500.43	\$495.43
Using SFY 2024 Exposures					
Total Expenditures					
Using SFY 2023 Exposures	\$1,988,078,377	\$269,817,313	(\$22,578,957)	\$2,257,895,690	\$2,238,316,733
Using SFY 2024 Exposures	\$2,201,344,072	\$297,485,714	(\$24,997,898)	\$2,499,795,796	\$2,474,793,889

¹ Non-Benefit Expenses PMFPM include margin, administrative costs, and premium tax prior to MYPAC.

Exhibit 11C Mississippi Division of Medicaid Components of SFY 2024 Cancellation Rates					
Cap. Cell	Non-Service Expenses		Quality Withhold	Total	
	PMFPM	PMFPM		Capitation Rate Prior to Withhold	Capitation Rate after Withhold
Non-Newborn SSI / Disabled	\$1,178.31	\$142.06	(\$13.28)	\$1,328.36	\$1,307.16
Breast and Cervical Cancer	\$3,114.60	\$356.12	(\$34.70)	\$3,469.71	\$3,435.02
MA Adult	\$497.58	\$67.15	(\$5.65)	\$564.73	\$559.08
Pregnant Women	\$648.98	\$83.77	(\$7.22)	\$732.35	\$725.03
SSI / Disabled Newborn	\$7,520.28	\$839.89	(\$83.60)	\$8,360.17	\$8,276.57
Non-SSI Newborns 0 to 2 Month	\$2,039.08	\$236.77	(\$22.78)	\$2,275.83	\$2,253.07
Non-SSI Newborns 3 to 12 Month	\$262.22	\$41.26	(\$3.03)	\$303.48	\$300.44
Foster Care	\$650.29	\$83.96	(\$7.34)	\$734.25	\$726.91
MYPAC	\$3,535.36	\$401.41	(\$39.37)	\$3,936.78	\$3,897.41
MA Children	\$206.13	\$34.97	(\$2.48)	\$240.10	\$237.70
Quasi-CHIP	\$216.99	\$36.28	(\$2.53)	\$253.27	\$250.74
Total - All Cap Cells ¹	\$449.08	\$61.82	(\$5.11)	\$510.90	\$505.79
Using SFY 2023 Exposures	\$448.26	\$61.73	(\$5.10)	\$509.99	\$504.89
Using SFY 2024 Exposures					
Total Expenditures					
Using SFY 2023 Exposures	\$2,059,904,605	\$283,556,932	(\$23,434,615)	\$2,343,461,536	\$2,320,026,921
Using SFY 2024 Exposures	\$2,235,182,626	\$308,345,715	(\$25,475,083)	\$2,547,058,341	\$2,522,033,258

¹ Non-Benefit Expenses PMFPM include margin, administrative costs, and premium tax prior to MYPAC.

Milliman

Exhibit 15 Mississippi Division of Medicaid SFY 2024 MississippiCAN Capitation Rate Development Seasonal Virus Adjustment												
Year	SSI ¹			Newborns ²			Children ³			Adults ⁴		
	COVID-19	Flu/RSV	Total	COVID-19	Flu/RSV	Total	COVID-19	Flu/RSV	Total	COVID-19	Flu/RSV	Total
CY 2018	\$0.00	\$5.78	\$5.78	\$0.00	\$34.76	\$34.76	\$0.00	\$4.68	\$4.68	\$0.00	\$2.51	\$2.51
CY 2019	\$0.00	\$5.67	\$5.67	\$0.00	\$34.00	\$34.00	\$0.00	\$7.41	\$7.41	\$0.00	\$2.94	\$2.94
CY 2021	\$26.29	\$4.10	\$30.39	\$11.37	\$30.48	\$41.85	\$6.41	\$2.45	\$8.85	\$19.98	\$1.04	\$21.02
SFY 2024 Estimate ⁵	\$13.14	\$5.73	\$18.87	\$5.68	\$34.38	\$40.07	\$3.20	\$6.05	\$9.25	\$9.99	\$2.73	\$12.72
SFY 2024 Adjustment	-\$13.14	\$1.63	-\$11.52	-\$5.68	\$3.90	-\$1.78	-\$3.20	\$3.60	\$0.40	-\$9.99	\$1.69	-\$8.30

¹ SSI includes the Non-Newborn SSI / Disabled rate cell.
² Newborns include the SSI / Disabled Newborn, Non-SSI Newborns 0 to 2 Months, and Non-SSI Newborns 3 to 12 months rate cells.
³ Children include the CHIP, Foster Care, MA Children, Quasi-CHIP, and MYPAC rate cells.
⁴ Adults include the MA Adult, Pregnant Women, and Breast and Cervical Cancer rate cells.
⁵ The SFY 2024 estimate includes 50% of the observed CY 2021 COVID-19 costs and 100% of the average CY 2018 and CY 2019 historical flu/RSV costs.

Exhibit 16														
Mississippi Division of Medicaid														
SFY 2024 MississippiCAN Capitation Rate Development														
SFY 2024 MississippiCAN Expenditure Estimate														
	a	b	c	d	e	f	g	h	i	j	k = sum of b through j	l = a + k	m	n = l + m
Rate Cell	Projected SFY 2024 Member Months	SFY 2024 Statewide Capitation Rates ¹	MHAP-FSA PMPM	Premium Tax on MHAP-FSA PMPM	MHAP-QIPP PMPM	Premium Tax on MHAP-QIPP PMPM	TREAT PMPM	Premium Tax on TREAT PMPM	MAPS PMPM	Premium Tax on MAPS PMPM	Total Rate at 1.0 Risk Score after Withhold	MississippiCAN Estimated Cost	FMAP / EFMAP ²	Federal Estimated Cost
Non-Newborn SSI / Disabled	713,375	\$1,320.36	\$340.85	\$10.54	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$1,846.89	\$1,317,451,277	78.42%	\$1,033,112,355
North Region	244,896	1,201.06	299.06	9.25	157.86	4.88	4.13	0.13	7.89	0.24	1,684.50	412,526,199	78.42%	323,492,732
Central Region	259,544	1,370.44	367.15	11.36	157.86	4.88	4.13	0.13	7.89	0.24	1,924.08	499,575,274	78.42%	391,754,441
South Region	208,835	1,397.66	357.17	11.05	157.86	4.88	4.13	0.13	7.89	0.24	1,941.00	405,349,804	78.42%	317,865,182
Breast and Cervical Cancer	947	\$3,469.71	\$971.18	\$30.04	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$4,648.07	\$4,475,890	78.42%	\$3,509,873
North Region	179	3,156.19	649.59	23.09	157.86	4.88	4.13	0.13	7.89	0.24	4,001.01	714,636	78.42%	560,400
Central Region	365	3,601.30	767.10	24.72	157.86	4.88	4.13	0.13	7.89	0.24	4,567.26	1,667,022	78.42%	1,307,237
South Region	404	3,672.83	1,297.88	40.14	157.86	4.88	4.13	0.13	7.89	0.24	5,185.99	2,094,221	78.42%	1,642,236
MA Adult	551,911	\$564.73	\$158.43	\$4.90	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$903.19	\$498,590,458	78.42%	\$390,982,173
North Region	166,853	537.32	144.36	4.48	157.86	4.88	4.13	0.13	7.89	0.24	861.89	143,898,665	78.42%	112,771,160
Central Region	185,364	577.83	166.82	5.16	157.86	4.88	4.13	0.13	7.89	0.24	924.94	171,450,609	78.42%	134,447,282
South Region	199,694	576.03	161.89	5.01	157.86	4.88	4.13	0.13	7.89	0.24	918.06	183,331,183	78.42%	143,763,731
Pregnant Women	175,053	\$732.35	\$334.23	\$10.34	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$1,252.06	\$219,066,286	78.42%	\$171,786,304
North Region	56,212	696.80	327.55	10.13	157.86	4.88	4.13	0.13	7.89	0.24	1,209.62	67,995,779	78.42%	53,320,590
Central Region	62,792	749.24	347.21	10.74	157.86	4.88	4.13	0.13	7.89	0.24	1,282.42	80,526,403	78.42%	63,146,792
South Region	56,049	747.01	326.39	10.09	157.86	4.88	4.13	0.13	7.89	0.24	1,258.62	70,544,103	78.42%	55,318,922
SSI / Disabled Newborn	7,065	\$8,360.17	\$4,896.46	\$151.44	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$13,583.21	\$96,182,241	78.42%	\$75,423,709
North Region	2,080	8,256.42	5,016.37	155.15	157.86	4.88	4.13	0.13	7.89	0.24	13,603.07	28,294,957	78.42%	22,188,198
Central Region	3,084	8,599.82	5,625.75	173.99	157.86	4.88	4.13	0.13	7.89	0.24	14,574.69	44,943,664	78.42%	35,243,697
South Region	1,902	6,197.13	3,582.54	110.80	157.86	4.88	4.13	0.13	7.89	0.24	12,065.71	22,943,621	78.42%	17,991,814
Non-SSI Newborns 0 to 2 Months	67,950	\$2,275.83	\$1,619.20	\$50.08	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$4,120.24	\$280,010,335	78.42%	\$219,577,105
North Region	21,286	2,247.59	1,544.41	47.77	157.86	4.88	4.13	0.13	7.89	0.24	4,014.89	85,462,253	78.42%	67,017,362
Central Region	24,738	2,341.07	1,711.23	52.92	157.86	4.88	4.13	0.13	7.89	0.24	4,280.35	105,885,250	78.42%	83,032,566
South Region	21,926	2,231.45	1,587.99	49.11	157.86	4.88	4.13	0.13	7.89	0.24	4,043.68	88,662,832	78.42%	69,527,177
Non-SSI Newborns 3 to 12 Months	234,084	\$303.48	\$67.53	\$2.09	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$548.22	\$128,356,867	78.42%	\$100,654,246
North Region	73,573	299.71	68.29	2.11	157.86	4.88	4.13	0.13	7.89	0.24	545.25	40,115,549	78.42%	31,457,611
Central Region	85,736	312.18	75.33	2.33	157.86	4.88	4.13	0.13	7.89	0.24	564.97	48,438,771	78.42%	37,984,473
South Region	74,775	297.56	57.82	1.79	157.86	4.88	4.13	0.13	7.89	0.24	532.30	39,802,546	78.42%	31,212,162
Foster Care	90,993	\$734.25	\$337.32	\$10.43	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$1,257.13	\$114,186,207	78.42%	\$89,541,969
North Region	26,774	725.14	333.89	10.33	157.86	4.88	4.13	0.13	7.89	0.24	1,244.49	33,319,604	78.42%	26,128,401
Central Region	27,117	755.30	443.89	13.73	157.86	4.88	4.13	0.13	7.89	0.24	1,388.05	37,639,873	78.42%	29,516,247
South Region	37,102	719.93	351.90	8.10	157.86	4.88	4.13	0.13	7.89	0.24	1,165.96	43,226,730	78.42%	33,897,321
MYPAC	13,368	\$3,936.78	\$653.78	\$20.22	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$4,785.91	\$63,845,936	78.42%	\$50,066,387
North Region	4,563	3,887.92	578.25	17.88	157.86	4.88	4.13	0.13	7.89	0.24	4,659.18	21,261,020	78.42%	16,672,360
Central Region	4,046	4,049.62	676.11	20.91	157.86	4.88	4.13	0.13	7.89	0.24	4,921.78	19,911,771	78.42%	15,614,313
South Region	4,759	3,860.00	707.23	21.87	157.86	4.88	4.13	0.13	7.89	0.24	4,764.24	22,673,146	78.42%	17,779,714
MA Children	2,821,371	\$240.10	\$46.14	\$1.43	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$462.80	\$1,305,753,371	78.42%	\$1,023,939,150
North Region	876,676	227.12	42.96	1.33	157.86	4.88	4.13	0.13	7.89	0.24	456.54	400,240,176	78.42%	313,856,340
Central Region	1,014,288	246.98	48.48	1.50	157.86	4.88	4.13	0.13	7.89	0.24	472.09	478,835,605	78.42%	375,490,911
South Region	930,407	235.42	46.60	1.44	157.86	4.88	4.13	0.13	7.89	0.24	458.59	426,677,590	78.42%	334,589,899
Quasi-CHIP	319,128	\$253.27	\$42.91	\$1.33	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$472.64	\$150,879,320	84.55%	\$127,560,921
North Region	103,227	250.13	37.29	1.15	157.86	4.88	4.13	0.13	7.89	0.24	463.70	47,866,131	84.55%	40,468,420
Central Region	117,778	260.53	44.05	1.36	157.86	4.88	4.13	0.13	7.89	0.24	481.07	56,659,446	84.55%	47,902,728
South Region	98,124	248.33	47.47	1.47	157.86	4.88	4.13	0.13	7.89	0.24	472.40	46,353,743	84.55%	39,189,772
Total - All Rate Cells	4,995,247	\$509.99	\$146.89	\$4.54	\$157.86	\$4.88	\$4.13	\$0.13	\$7.89	\$0.24	\$836.55	\$4,178,798,177	78.64%	\$3,296,154,101
North Region	1,576,319	495.74	137.90	4.26	157.86	4.88	4.13	0.13	7.89	0.24	813.04	1,281,604,970	78.65%	1,007,935,574
Central Region	1,784,952	526.94	158.88	4.91	157.86	4.88	4.13	0.13	7.89	0.24	865.87	1,545,533,688	78.64%	1,215,440,687
South Region	1,633,976	505.21	142.47	4.41	157.86	4.88	4.13	0.13	7.89	0.24	827.22	1,351,659,519	78.63%	1,062,777,929

¹ Capitation rates prior to quality withhold, excluding MHAP, MAPS, and TREAT.

² Calculated using a premium tax of 3.00%.

³ For SFY 2024, FMAP is calculated as the blend of three months using an FMAP of 80.36%, three months using an FMAP of 78.77%, and six months using an FMAP of 77.27%. For SFY 2024, EFMAP is calculated as the blend of six months using an EFMAP of 85.00% and six months using an EFMAP of 84.09%. These FMAP and EFMAP projections include the phase-down of the additional federal match as described in the 2023 Consolidated Appropriations Act.

Exhibit 17A
Mississippi Division of Medicaid
SFY 2024 MississippiCAN Capitation Rate Development
High-Cost Pharmacy Risk Corridor
Illustrative Settlement Calculation

	a	b	c	d = c / a
	Illustrative Actual SFY 2024 Membership ¹	SFY 2024 Regional High-Cost Pharmacy Target PMPM	Illustrative Actual SFY 2024 High-Cost Pharmacy Costs ^{2,3}	Illustrative Actual SFY 2024 High-Cost Pharmacy PMPM
Rate Cell				
Non-Newborn SSI / Disabled	713,000	\$65.99	\$49,700,000	\$69.71
Breast and Cervical Cancer	1,000	\$0.00	\$0	\$0.00
MA Adult	552,000	\$1.26	\$1,400,000	\$2.54
Pregnant Women	175,000	\$0.00	\$0	\$0.00
SSI / Disabled Newborn	7,000	\$0.00	\$0	\$0.00
Non-SSI Newborns 0 to 2 Months	68,000	\$24.96	\$1,700,000	\$25.00
Non-SSI Newborns 3 to 12 Months	234,000	\$7.36	\$1,900,000	\$8.12
Foster Care	91,000	\$9.58	\$2,600,000	\$28.57
MYPAC	13,000	\$15.71	\$200,000	\$15.38
MA Children	2,821,000	\$2.08	\$11,100,000	\$3.93
Quasi-CHIP	319,000	\$0.00	\$500,000	\$1.57
Total	4,994,000	\$11.63	\$69,100,000	\$13.84

Illustrative Actual Risk Corridor Eligible Costs	\$69,100,000	e = c
Illustrative Target Risk Corridor Eligible Costs	\$58,101,612	f = a × b
Difference (\$)	\$10,998,388	g = e - f
Difference (%)	18.93%	h = g / f

Risk Corridor Bands	% i	\$ j = i × f	Settlement k = j × DOM %
< -6%: 0% CCO / 100% DOM	0.00%	\$0	\$0
-6% to -3%: 50% CCO / 50% DOM	0.00%	\$0	\$0
-3% to 0%: 100% CCO / 0% DOM	0.00%	\$0	\$0
0% to 3%: 100% CCO / 0% DOM	3.00%	\$1,743,048	\$0
3% to 6%: 50% CCO / 50% DOM	3.00%	\$1,743,048	(\$871,524)
> 6%: 0% CCO / 100% DOM	12.93%	\$7,512,291	(\$7,512,291)

Total Risk Corridor Settlement Received (Paid) by DOM **(\$8,383,815)**

¹ Illustrative values demonstrate projected regional enrollment mix. Actual values will use CCO-specific regional enrollment mix.

² PMPM calculation will be populated with actual SFY 2024 CCO-specific values.

³ Includes all costs incurred during SFY 2024 eligible for the risk corridor, as outlined in the rate certification. Actual costs, but not target costs, will be populated with actual SFY 2024 CCO-specific experience.

⁴ Costs and premiums associated with the High-Cost Pharmacy Risk Corridor will not be accounted for or included in the calculation of the Program-Wide Risk Corridor.

Exhibit 17B																											
Mississippi Division of Medicaid																											
SFY 2024 Mississippi/CAN Capitation Rate Development																											
Illustrative MLR Development																											
A B C D=BxC E F=DxE(1+50)/(1-150) G H I J K=D+I+G+B+I+J L M N O P Q=G+D+I+J+L+N																											
SPFY 2024 Regional		Risk		Risk		PMPM		MHAP-QPP		MAPS		TREAT		High-Cost Pharmacy		SPFY 2024		Illustrative High-Cost Pharmacy		Projected		Projected		Illustrative		Actual	
Rate Cell	Membership ¹	Capitation Rates ² net of Withhold ³	Risk Score ⁴	Adjusted Premium Net % of Withhold ⁵	Withhold Returned	Gross of Premium Tax ⁷	Gross of Premium Tax ⁷	Gross of Premium Tax ⁷	Gross of Premium Tax ⁷	Gross of Premium Tax ⁷	Gross of Premium Tax ⁷	Total Revenue ¹¹	Target PMPM	Actual SFY 2024 PMPM	Costs PMPM ¹²	Total Service Costs PMPM	Actual SFY 2024 Medical Costs PMPM ¹³	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM	Actual Total Service Costs PMPM
Non-Newborn SSI / Disabled Breast and Cervical Cancer	713,376	\$1,307.16	1,000	\$1,307.16	100%	\$13.39	\$162.74	\$8.14	\$4.25	\$1,466.89	\$66.95	\$69.71	\$1,178.31	\$1,638.06	\$1,240.00	\$1,696.82	92.0%	95.3%	\$1,696.82	\$1,696.82	\$1,696.82	\$1,696.82	\$1,696.82	\$1,696.82	\$1,696.82	\$1,696.82	\$1,696.82
MA Adult	947	\$3,435.02	1,000	\$3,435.02	100%	\$34.70	\$1,003.22	\$162.74	\$8.14	\$4.25	\$4,646.07	\$0.00	\$0.00	\$3,114.60	\$4,290.95	\$3,270.00	\$4,446.35	92.4%	95.7%	\$4,446.35	\$4,446.35	\$4,446.35	\$4,446.35	\$4,446.35	\$4,446.35	\$4,446.35	\$4,446.35
Pregnant Women	151,911	\$659.08	1,000	\$659.08	100%	\$5.65	\$162.74	\$8.14	\$4.25	\$663.19	\$1.29	\$2.54	\$467.58	\$634.77	\$620.00	\$695.92	92.0%	94.9%	\$695.92	\$695.92	\$695.92	\$695.92	\$695.92	\$695.92	\$695.92	\$695.92	\$695.92
SSI / Disabled Newborn	175,053	\$725.03	1,000	\$725.03	100%	\$7.32	\$344.57	\$162.74	\$8.14	\$4.25	\$1,252.06	\$0.00	\$0.00	\$648.58	\$1,168.29	\$680.00	\$1,199.70	93.3%	95.8%	\$1,199.70	\$1,199.70	\$1,199.70	\$1,199.70	\$1,199.70	\$1,199.70	\$1,199.70	\$1,199.70
Non-SSI Newborns 0 to 2 Months	7,065	\$8,276.57	1,000	\$8,276.57	100%	\$83.60	\$5,047.90	\$162.74	\$8.14	\$4.25	\$13,583.21	\$0.00	\$0.00	\$7,520.28	\$12,743.31	\$7,900.00	\$13,123.03	93.8%	96.0%	\$13,123.03	\$13,123.03	\$13,123.03	\$13,123.03	\$13,123.03	\$13,123.03	\$13,123.03	\$13,123.03
Non-SSI Newborns 3 to 12 Months	67,860	\$2,753.07	1,000	\$2,753.07	100%	\$27.76	\$1,668.28	\$162.74	\$8.14	\$4.25	\$4,120.24	\$24.96	\$25.00	\$2,039.06	\$3,864.51	\$2,140.00	\$3,999.41	94.2%	96.7%	\$3,999.41	\$3,999.41	\$3,999.41	\$3,999.41	\$3,999.41	\$3,999.41	\$3,999.41	\$3,999.41
Foster Care	234,084	\$300.44	1,000	\$300.44	100%	\$3.03	\$69.62	\$162.74	\$8.14	\$4.25	\$548.22	\$7.36	\$8.12	\$262.22	\$499.61	\$280.00	\$516.63	92.4%	95.5%	\$516.63	\$516.63	\$516.63	\$516.63	\$516.63	\$516.63	\$516.63	\$516.63
MYCAC	60,993	\$726.51	1,000	\$726.51	100%	\$7.34	\$347.75	\$162.74	\$8.14	\$4.25	\$1,257.13	\$0.00	\$29.57	\$650.29	\$1,163.60	\$660.00	\$1,174.31	93.3%	94.1%	\$1,174.31	\$1,174.31	\$1,174.31	\$1,174.31	\$1,174.31	\$1,174.31	\$1,174.31	\$1,174.31
MI Children	13,368	\$3,897.41	1,000	\$3,897.41	100%	\$39.37	\$674.01	\$162.74	\$8.14	\$4.25	\$4,785.91	\$15.71	\$15.38	\$3,535.36	\$4,368.79	\$3,710.00	\$4,543.75	91.6%	95.3%	\$4,543.75	\$4,543.75	\$4,543.75	\$4,543.75	\$4,543.75	\$4,543.75	\$4,543.75	\$4,543.75
Quasi-CHIP	2,821,371	\$237.70	1,000	\$237.70	100%	\$2.40	\$47.57	\$162.74	\$8.14	\$4.25	\$463.86	\$7.00	\$3.93	\$205.13	\$425.75	\$220.00	\$438.77	92.4%	95.2%	\$438.77	\$438.77	\$438.77	\$438.77	\$438.77	\$438.77	\$438.77	\$438.77
Total	4,939,347	\$504.89	1,000	\$504.89	100%	\$5.10	\$151.44	\$162.74	\$8.14	\$4.25	\$856.55	\$11.63	\$13.84	\$676.39	\$763.19	\$476.66	\$763.19	92.0%	95.3%	\$763.19	\$763.19	\$763.19	\$763.19	\$763.19	\$763.19	\$763.19	\$763.19

Illustrative Actual MLR	95.33%
Illustrative Target MLR	92.52%
MLR Difference	-2.81%
MLR Difference Exceeding Corridor	-0.83%
Total Revenue ¹	=====
Risk Corridor Settlement Received (Paid) by DOM	(\$33,479,785)
¹ MLR calculation will be populated with actual SFY 2024 CCO-specific values.	
² Illustrative values demonstrate projected regional enrollment mix. Actual values will use CCO-specific regional enrollment mix.	
³ Includes all services incurred during SFY 2024 with payments made to providers as defined in Exhibit C of the CCO Contract, including fee-for-service payments, subcapitation payments, and settlement payments. Actual MLR, but not target MLR, will be populated with actual SFY 2024 CCO-specific values. Additionally, both actual and target costs will use CCO-specific regional enrollment mix. Actual MLR will include adjustments for items found in MLR audits and adjustments to remove services not covered by the Mississippi state plan.	
⁴ Costs and premium associated with the High-Cost Pharmacy Risk Corridor will not be accounted for or included in the calculation of the Program-Wide Risk Corridor.	
⁵ Excluding high-cost pharmacy target PMPM.	

Exhibit 17C Mississippi Division of Medicaid SFY 2024 High Cost Pharmacy Risk Corridor Development																							
		Non-Newborn SSI / Disabled		Breast and Cervical Cancer		MA Adult		Pregnant Women		SSI / Disabled Newborn		Non-SSI Newborns 0 to 2 Months		Non-SSI Newborns 3 to 12 Months		Foster Care		MYPAC		MA Children		Quasi-CHIP	
		PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total	PMPM	Total
Step One: Remove cost of program changes from SFY 2024 pharmacy PMPM																							
(a)	Projected SFY 2024 Pharmacy Spend ¹	\$438.09	\$326,661,485	\$611.17	\$1,043,871	\$141.22	\$80,612,270	\$34.99	\$4,112,000	\$635.82	\$3,271,949	\$44.83	\$3,151,337	\$34.36	\$8,191,777	\$101.34	\$8,083,923	\$192.01	\$1,914,168	\$37.88	\$126,902,626	\$48.53	\$16,919,738
(b)	Hemophilia A Population Curve-In Pharmacy Spend ²	\$3.16	\$2,359,742	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.16	\$38,995	\$2.35	\$187,315	\$0.00	\$0	\$0.40	\$1,325,790	\$0.92	\$320,801
(c)	Hemophilia B Population Curve-In Pharmacy Spend ²	\$1.37	\$1,024,882	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.01	\$405	\$0.00	\$0	\$0.13	\$444,990	\$0.00	\$0
(d)	Hemophilia A Gene Therapy	\$6.71	\$5,000,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.75	\$2,500,000	\$0.00	\$0
	Gross Pharmacy Costs	\$0.56	\$414,066	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.06	\$207,033	\$0.00	\$0
	Anticipated Pharmacy Savings	\$6.15	\$4,585,934	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.69	\$2,292,967	\$0.00	\$0
(e)	Hemophilia B Gene Therapy	\$4.69	\$3,500,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Gross Pharmacy Costs	\$0.14	\$105,692	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Anticipated Pharmacy Savings	\$4.55	\$3,394,308	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(f)	Sickle Cell Disease Gene Therapy	\$50.96	\$38,000,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.60	\$2,000,000	\$0.00	\$0
	Gross Pharmacy Costs	\$0.33	\$247,695	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$13,037	\$0.00	\$0
	Anticipated Pharmacy Savings	\$50.63	\$37,752,305	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.59	\$1,986,963	\$0.00	\$0
(g)	Duchenne Muscular Dystrophy Gene Therapy	\$4.29	\$3,200,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Gross Pharmacy Costs	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Anticipated Pharmacy Savings	\$4.29	\$3,200,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(h)	Spinal Muscular Atrophy Gene Therapy	\$3.02	\$2,254,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$32.07	\$2,254,412	\$9.46	\$2,254,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Gross Pharmacy Costs	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Anticipated Pharmacy Savings	\$3.02	\$2,254,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$32.07	\$2,254,412	\$9.46	\$2,254,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(i)	Beta-Thalassemia Gene Therapy	\$3.76	\$2,800,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Gross Pharmacy Costs	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Anticipated Pharmacy Savings	\$3.76	\$2,800,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(j) = (a) - sum((b) to (i)) Adjusted SFY 2024 Pharmacy Spend		\$356.86	\$266,089,903	\$611.17	\$1,043,871	\$141.22	\$80,612,270	\$34.99	\$4,112,000	\$635.82	\$3,271,949	\$12.76	\$896,925	\$24.74	\$5,898,370	\$98.98	\$7,896,203	\$192.01	\$1,914,168	\$36.07	\$120,851,915	\$47.61	\$16,998,937
Step Two: Using CY 2021 encounter data, estimate the percentage of pharmacy costs that will exceed the risk corridor threshold.																							
(k)	Historical Percentage of Claims Over Threshold ³	1.2%	1.2%	0.0%	0.0%	0.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.7%	9.7%	8.2%	8.2%	2.7%	2.7%	0.0%	0.0%
(l) = (j) x (k) Anticipated SFY 2024 Pharmacy Cost Over Threshold, Prior to Program Changes		\$4.17	\$3,108,401	\$0.00	\$0	\$1.26	\$721,264	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$9.58	\$763,919	\$15.71	\$156,632	\$2.08	\$6,961,949	\$0.00	\$0
Step Three: Add the cost of new pharmacy covered services for SFY 2024 to Step Two.																							
(m)	Hemophilia A Population Curve-In	\$3.16	\$2,359,742	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.16	\$38,995	\$2.35	\$187,315	\$0.00	\$0	\$0.40	\$1,325,790	\$0.92	\$320,801
	Total Pharmacy Spend	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Historical Percentage of Claims Over Threshold	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(n)	Hemophilia B Population Curve-In	\$1.37	\$1,024,882	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.01	\$405	\$0.00	\$0	\$0.13	\$444,990	\$0.00	\$0
	Total Pharmacy Spend	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Historical Percentage of Claims Over Threshold	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(o)	Hemophilia A Gene Therapy	\$5.18	\$3,863,551	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.59	\$1,982,966	\$0.00	\$0
	Risk Corridor Eligible Spend ⁴																						
		\$5.18	\$3,863,551	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.59	\$1,982,966	\$0.00	\$0
(p)	Hemophilia B Gene Therapy	\$4.01	\$2,987,480	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Risk Corridor Eligible Spend ⁴																						
		\$4.01	\$2,987,480	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(q)	Sickle Cell Disease Gene Therapy	\$43.30	\$32,288,109	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.52	\$1,748,458	\$0.00	\$0
	Risk Corridor Eligible Spend ⁴																						
		\$43.30	\$32,288,109	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.52	\$1,748,458	\$0.00	\$0
(r)	Duchenne Muscular Dystrophy Gene Therapy	\$3.62	\$2,700,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Risk Corridor Eligible Spend ⁴																						
		\$3.62	\$2,700,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(s)	Spinal Muscular Atrophy Gene Therapy	\$2.35	\$1,754,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$24.96	\$1,754,412	\$7.36	\$1,754,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Risk Corridor Eligible Spend ⁴																						
		\$2.35	\$1,754,412	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(t)	Beta-Thalassemia Gene Therapy	\$3.35	\$2,500,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
	Risk Corridor Eligible Spend ⁴																						
		\$3.35	\$2,500,000	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0
(ul) = sum((l) to (t)) Anticipated SFY 2024 Pharmacy Cost Over Threshold, Including Program Changes		\$65.99	\$49,201,953	\$0.00	\$0	\$1.26	\$721,264	\$0.00	\$0	\$0.00	\$0	\$24.96	\$1,754,412	\$7.36	\$1,754,412	\$9.58	\$763,919	\$15.71	\$156,632	\$2.08	\$6,961,949	\$0.00	\$0

¹ PMPM amounts tie to the projected SFY 2024 PMPM costs of Exhibit 2A for each rate cell.
² CY 2021 claims for anticipated members transitioning from FFS to MSCAN trended forward to SFY 2024.
³ SFY 2024 threshold of \$500,000 adjusted to a CY 2021 level using the population specific specialty unit cost pharmacy trend.
⁴ See Exhibit 17D for the development of the risk corridor eligible spend for each gene therapy.

Exhibit 17D												
Mississippi Division of Medicaid												
SFY 2024 High Cost Pharmacy Risk Corridor Development - Gene Therapy Supplemental Support												
		Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP
Hemophilia A Gene Therapy												
(a)	Expected Number of Therapies	2	0	0	0	0	0	0	0	0	1	0
(b)	Net Pharmacy Cost for Gene Therapy ¹	\$4,585,934	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,292,967	\$0
(c)	Applicable Inpatient Hospital Cost for Gene Therapy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(d) = (b) + (c)	Total Gene Therapy Cost	\$4,585,934	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,292,967	\$0
(e) = (d) / (a)	Total Cost per Therapy	\$2,292,967	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,292,967	\$0
(f)	Average Prior Pharmacy Spend per Member ²	\$138,808	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$189,399	\$0
(g)	Pharmacy RC Threshold per Member	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0
(h) = max[(e) + (f) - (g), 0]	RC Eligible Dollars per Member	\$1,931,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,982,366	\$0
(i) = (h) x (a)	Total RC Eligible Dollars	\$3,863,551	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,982,366	\$0
Hemophilia B Gene Therapy												
(a)	Expected Number of Therapies	1	0	0	0	0	0	0	0	0	0	0
(b)	Net Pharmacy Cost for Gene Therapy ¹	\$3,394,308	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(c)	Applicable Inpatient Hospital Cost for Gene Therapy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(d) = (b) + (c)	Total Gene Therapy Cost	\$3,394,308	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(e) = (d) / (a)	Total Cost per Therapy	\$3,394,308	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(f)	Average Prior Pharmacy Spend per Member ²	\$93,171	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$148,330	\$0
(g)	Pharmacy RC Threshold per Member	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0
(h) = max[(e) + (f) - (g), 0]	RC Eligible Dollars per Member	\$2,987,480	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(i) = (h) x (a)	Total RC Eligible Dollars	\$2,987,480	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sickle Cell Disease Gene Therapy												
(a)	Expected Number of Therapies	19	0	0	0	0	0	0	0	0	1	0
(b)	Net Pharmacy Cost for Gene Therapy ¹	\$37,752,305	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,986,963	\$0
(c)	Applicable Inpatient Hospital Cost for Gene Therapy	\$3,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0
(d) = (b) + (c)	Total Gene Therapy Cost	\$41,552,305	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,186,963	\$0
(e) = (d) / (a)	Total Cost per Therapy	\$2,186,963	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,186,963	\$0
(f)	Average Prior Pharmacy Spend per Member ²	\$12,411	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$61,494	\$0
(g)	Pharmacy RC Threshold per Member	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0
(h) = max[(e) + (f) - (g), 0]	RC Eligible Dollars per Member	\$1,699,374	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,748,458	\$0
(i) = (h) x (a)	Total RC Eligible Dollars	\$32,288,109	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,748,458	\$0
Duchene Muscular Dystrophy Gene Therapy												
(a)	Expected Number of Therapies	1	0	0	0	0	0	0	0	0	0	0
(b)	Net Pharmacy Cost for Gene Therapy ¹	\$3,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(c)	Applicable Inpatient Hospital Cost for Gene Therapy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(d) = (b) + (c)	Total Gene Therapy Cost	\$3,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(e) = (d) / (a)	Total Cost per Therapy	\$3,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(f)	Average Prior Pharmacy Spend per Member ²	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(g)	Pharmacy RC Threshold per Member	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(h) = max[(e) + (f) - (g), 0]	RC Eligible Dollars per Member	\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(i) = (h) x (a)	Total RC Eligible Dollars	\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Spinal Muscular Atrophy Gene Therapy												
(a)	Expected Number of Therapies	1	0	0	0	0	1	1	0	0	0	0
(b)	Net Pharmacy Cost for Gene Therapy ¹	\$2,254,412	\$0	\$0	\$0	\$0	\$2,254,412	\$2,254,412	\$0	\$0	\$0	\$0
(c)	Applicable Inpatient Hospital Cost for Gene Therapy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(d) = (b) + (c)	Total Gene Therapy Cost	\$2,254,412	\$0	\$0	\$0	\$0	\$2,254,412	\$2,254,412	\$0	\$0	\$0	\$0
(e) = (d) / (a)	Total Cost per Therapy	\$2,254,412	\$0	\$0	\$0	\$0	\$2,254,412	\$2,254,412	\$0	\$0	\$0	\$0
(f)	Average Prior Pharmacy Spend per Member ²	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(g)	Pharmacy RC Threshold per Member	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0	\$0	\$0	\$0
(h) = max[(e) + (f) - (g), 0]	RC Eligible Dollars per Member	\$1,754,412	\$0	\$0	\$0	\$0	\$1,754,412	\$1,754,412	\$0	\$0	\$0	\$0
(i) = (h) x (a)	Total RC Eligible Dollars	\$1,754,412	\$0	\$0	\$0	\$0	\$1,754,412	\$1,754,412	\$0	\$0	\$0	\$0
Beta-Thalassemia Gene Therapy												
(a)	Expected Number of Therapies	1	0	0	0	0	0	0	0	0	0	0
(b)	Net Pharmacy Cost for Gene Therapy ¹	\$2,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(c)	Applicable Inpatient Hospital Cost for Gene Therapy	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(d) = (b) + (c)	Total Gene Therapy Cost	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(e) = (d) / (a)	Total Cost per Therapy	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(f)	Average Prior Pharmacy Spend per Member ²	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(g)	Pharmacy RC Threshold per Member	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(h) = max[(e) + (f) - (g), 0]	RC Eligible Dollars per Member	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(i) = (h) x (a)	Total RC Eligible Dollars	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

¹ Reconciles to Exhibit 17C items (d) through (i).
² CY 2021 average pharmacy spend trended forward to SFY 2024 for gene therapies with more than 10 potential patients.

Exhibit 18A			
Mississippi Division of Medicaid			
Procedure Codes for Non-Psychiatric Physician Visits			
W9009	90066	90544	92004
W9348	90067	90545	92012
W9349	90068	90546	92014
90000	90069	90547	99062
90001	90070	90548	99063
90002	90071	90549	99064
90003	90072	90550	99065
90004	90073	90551	99241
90005	90074	90552	99242
90006	90075	90553	99243
90007	90076	90554	99244
90008	90077	90555	99245
90009	90078	90556	99271
90010	90079	90557	99272
90011	90080	90558	99273
90012	90500	90559	99274
90013	90501	90560	99275
90014	90502	90561	99341
90015	90503	90562	99342
90016	90504	90563	99343
90017	90505	90564	99344
90018	90506	90565	99345
90019	90507	90566	99347
90020	90508	90567	99348
90040	90509	90568	99349
90041	90510	90569	99350
90042	90511	90570	
90043	90512	90571	
90044	90513	90572	
90045	90514	90573	
90046	90515	90574	
90047	90516	90575	
90048	90517	90576	
90049	90518	90577	
90050	90519	90578	
90051	90520	90579	
90052	90530	90580	
90053	90531	90600	
90054	90532	90605	
90055	90533	90610	
90056	90534	90620	
90057	90535	90630	
90058	90536	90640	
90059	90537	90641	
90060	90538	90642	
90061	90539	90643	
90062	90540	90650	
90063	90541	90651	
90064	90542	90652	
90065	90543	92002	

Exhibit 18B
Mississippi Division of Medicaid
Procedure Codes for Psychiatric Physician Visits

90791
90792
90832
90834
90837
90846
90847
90849
90853
90870
99201
99202
99203
99204
99205
99212
99213
99214
99215

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																											
00002763511	00052060302	00135052001	00223004963	00378699789	00891057101	01741002986	05388000856	08011123520	08011750107	08011968624	08080159611	08080226100	08080311149	08080361900	08080441215	08080531046	08080611100	08080660218	08080708401								
00002763611	00052433001	00135052904	00223004975	00409005101	00891059101	01741004075	05388000857	08011123530	08011750301	08011971015	08080160405	08080226200	08080311248	08080361900	08080441216	08080532900	08080611200	08080660320	08080708500								
00002763711	00064022002	00135055701	00223004986	004040731560	00891059111	01741006089	05388000858	08011123620	08011750307	08026465400	08080161200	08080226300	08080311347	08080362300	08080441217	08080533000	08080611300	08080660330	08080708600								
00002956001	00065018002	00135050901	00223004987	00440731790	00891059201	01741006857	05388000859	08011150101	08011750379	08026763800	08080161400	08080229000	08080311446	08080363100	08080441218	08080536000	08080611400	08080660340	08080708700								
00002956101	00065018007	00135059301	00223004988	00440731791	00891059211	01741009789	05388000860	08011150102	08011770715	08080000555	08080161600	08080229100	08080311545	08080368500	08080441219	08080540111	08080611500	08080660350	08080708800								
00002956201	00065082650	00135060201	00223004989	00456074413	00891059301	01741009808	05388000436	08011150103	08011771114	08080000777	08080161900	08080229200	08080311743	08080383400	08080441250	08080540400	08080611600	08080660400	08080710000								
00002967301	00065920073	00135060301	00223041124	00456074513	00891059311	01741053610	05388000448	08011150108	08011771215	08080032010	08080162100	08080229300	08080314100	08080392200	08080441251	08080540500	08080612000	08080664100	08080710500								
00003052620	00065920074	00143929501	00223041493	00456074613	00891059401	01741053814	05388018382	08011150111	08011772414	08080055535	08080162200	08080230000	08080314400	08080393000	08080441400	08080541034	08080612100	08080664200	08080710701								
00005010001	00067097840	00143929601	00223042024	00456315467	00891061100	01741061314	053880049375	08011150121	08011772415	08080055544	08080162400	08080233601	08080314400	08080396700	08080441401	08080541067	08080612200	08080664700	08080710826								
00005010005	00069041102	00143952901	00223042027	00487900360	00891061101	02594001806	053880050378	08011150131	08011772416	08080055566	08080162500	08080234600	08080315700	08080396800	08080441402	08080541400	08080613200	08080664800	08080710842								
00005010010	00069041110	00169185189	00223042030	00487900760	00891061200	02594001814	053880050379	08011150200	08011772514	08080072030	08080162600	08080241910	08080317000	08080399500	08080441403	08080555220	08080614000	08080665100	08080710859								
00005197101	00069090120	00169185250	00223042036	00516001312	00891061201	02594001818	053880056446	08011150201	08011775516	08080094700	08080162800	08080241911	08080319500	08080400616	08080441404	08080555221	08080615300	08080666000	08080710867								
00005197102	00069091198	00169185274	00223043850	005361110301	00891061300	02594001822	053880057722	08011150202	08011782100	08080096800	08080163100	08080241912	08080320112	08080401400	08080441405	08080555330	08080615400	08080666200	08080711006								
00005197105	00069092198	00169185275	00223043851	00536111932	00891061301	02594001828	053880087811	08011150203	08011782102	08080098400	08080170000	08080243800	08080320157	08080402718	08080441406	08080555331	08080615500	08080666500	08080711246								
00005200002	00074182078	00169185389	00223043852	00548540000	00891061400	02594001842	05928090901	08011150319	08011800316	08080098800	08080171010	08080245000	08080320256	08080403200	08080441407	08080555332	08080615600	08080669901	08080711253								
00005200010	00074183268	00169185459	00223043853	00548540025	00891061401	02594001847	062780009069	08011150332	08011800318	08080099500	08080171300	08080248000	08080320800	08080403728	08080441408	08080555351	08080617500	08080670000	08080711500								
00006404701	00074240902	00169185550	00223043854	00548541000	00891063101	02594001852	06278000398	08011150419	08011800516	08080100005	08080176250	08080250000	08080321100	08080420200	08080441410	08080555440	08080620112	08080670930	08080711501								
00006404720	00074583002	00169776411	00223044128	00548541025	00891063201	02594001857	062780005267	08011150432	08011800518	08080100555	08080179200	08080250600	08080321112	08080420300	08080441411	08080555441	08080620600	08080670950	08080711519								
00006404741	00074722218	00169776413	00223044137	00548570100	00891063301	02594001860	07411060007	08011150501	08011802001	08080100707	08080180100	08080253300	08080321700	08080420400	08080441412	08080555442	08080620800	08080671500	08080711550								
00006409301	00074722220	00179872402	00223044140	00548571100	00891063401	02813303400	07411089003	08011150502	08011802002	08080100777	08080180600	08080253900	08080322100	08080420600	08080441500	08080555443	08080620900	08080671600	08080711568								
00006409302	00074791501	00179901012	00223044146	00573300502	00891064101	04351044050	080004041300	08011150503	08011802010	08080103800	08080181030	08080254600	08080322110	08080426500	08080441501	08080555480	08080621000	08080672000	08080712080								
00006409401	00074808378	00193146550	00223044190	00573300503	00891064201	04351052510	080004042800	08011150507	08011802011	08080104000	08080181400	08080255600	08080322112	08080427100	08080441502	08080555481	08080621100	08080672500	08080712100								
00006409402	00085121701	00193146621	00223044896	00573300504	00891064301	04351062510	080004046500	08011150520	08011802015	08080104200	08080181700	08080256200	08080322200	08080427800	08080441503	08080555550	08080621112	08080673000	08080712120								
00006409501	00085121702	00193252350	00223044905	00573300905	00891064401	04351063506	080004047300	08011150525	08011802016	08080104400	08080181800	08080256300	08080322210	08080427900	08080441504	08080555660	08080621212	08080673500	08080712150								
00006409502	00085460202	00193280221	00223044911	00573300913	00891071010	04351078710	08000404940	08011150615	08011802018	08080104600	08080182400	08080256400	08080323100	08080428000	08080441505	08080555661	08080622901	08080676434	08080712170								
00006409601	00085460203	00193280250	00223044920	00573301001	00891071011	04351078810	08000405200	08011150619	08011802030	08080105000	08080189200	08080256500	08080325000	08080428100	08080441506	08080555662	08080624100	08080678000	08080712200								
00006409602	00093301101	00193288021	00223045277	00573301002	00891071020	04351079510	08004054800	08011150632	08011802031	08080105800	08080190300	08080258500	08080325058	08080428200	08080441507	08080555880	08080624200	08080678030	08080712230								
00006411901	00093308601	00193288050	00223045278	00573301003	00891071021	04351079710	08004054900	08011150702	08011802035	08080109300	08080191300	08080260000	08080325100	08080428300	08080441602	08080555881	08080624250	0									

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																									
08080717600	08080730790	08080783400	080808941110	08137002281	08137002603	08137004414	08137005390	08137006655	08137102126	08137116894	08137607623	08173909101	08214028739	08214057601	08214114027	08222094193	08225002602	08225005486	08225008702						
08080718080	08080731000	08080791100	0808080941210	08137002283	08137002604	08137004424	08137005501	08137006660	08137102390	08137117120	08164100125	08179002810	08214028755	08214057716	08214115027	08222094931	08225002603	08225005523	08225008703						
08080718100	08080731100	08080808000	0808080941310	08137002285	08137002607	08137004430	08137005505	08137006665	08137102394	08137117121	08164100525	08179002827	08214029721	08214057717	08214130001	08222094599	08225002605	08225005525	08225008705						
08080718120	08080731300	08080808001	0808080941410	08137002287	08137002608	08137004431	08137005518	08137006670	08137102488	08137117128	08164100625	08179002834	08214029724	08214057761	08214131001	08222095121	08225002802	08225005533	08225008706						
08080718150	08080731901	08080804200	0808080941610	08137002301	08137002613	08137004434	08137005520	08137006675	08137102491	08137117120	08164100725	08179002841	08214029727	08214058539	08214131101	08222095435	08225002803	08225005555	08225009010						
08080718170	08080732300	08080804300	0808080940000	08137002302	08137002618	08137004436	08137005523	08137006680	08137102561	08137117297	08173000201	08179010204	08214029735	08214058716	08214210001	08222095459	08225002805	08225005582	08225011601						
08080718200	08080732501	08080804400	0808080940000	08137002303	08137002619	08137004438	08137005532	08137006685	08137102760	08137117299	08173000301	08179010303	08214029737	08214058717	08214215001	08222095534	08225002806	08225005583	08225011602						
08080718230	08080733100	08080804500	0808080940100	08137002304	08137002623	08137004444	08137005534	08137006690	08137102765	08137117400	08173000525	08179015209	08214029739	08214058733	08214300001	08222095626	08225002902	08225005585	08225011701						
08080718250	08080733200	08080804600	0808080950000	08137002305	08137002628	08137004446	08137005536	08137006693	08137102799	08137117401	08173001510	08179041208	08214029740	08214059080	08214310001	08222095633	08225002903	08225005593	08225011702						
08080718270	08080733900	08080804700	0808080950100	08137002331	08137002633	08137004452	08137005540	08137006931	08137102802	08137117419	08173001610	08179041802	08214029748	08214060001	08214352719	08222095657	08225002905	08225005595	08225011801						
08080718300	08080733901	08080810055	0808080950000	08137002322	08137002638	08137004458	08137005544	08137006937	08137102837	08137117420	08173001720	08179042502	08214029750	08214061001	08214352901	08222095831	08225002906	08225005612	08225011802						
08080718350	08080734600	08080812200	0808080964000	08137002329	08137002643	08137004488	08137005548	08137006981	08137102902	08137117459	08173003001	08179048009	08214029755	08214065711	08214352933	08222095855	08225003020	08225005613	08225011881						
08080718400	08080741805	08080812701	0808080964200	08137002331	08137002644	08137004582	08137005549	08137007201	08137102922	08137117460	08173003102	08179050101	08214030001	08214065724	08214353001	08222142387	08225003030	08225005615	08225011882						
08080718450	08080741813	08080812801	0808080965200	08137002344	08137002648	08137004633	08137005556	08137007202	08137102933	08137117461	08173003201	08179071205	08214030101	08214065726	08214353033	08222142394	08225003040	08225005616	08225011891						
08080718500	08080741821	08080818100	0808080982010	08137002354	08137002659	08137004634	08137005560	08137007238	08137102943	08137117462	08173003301	08179072509	08214030201	08214065727	08214353719	08222142400	08225003080	08225005623	08225011892						
08080719300	08080742000	08080818112	0808080988800	08137002355	08137002738	08137004644	08137005561	08137007239	08137102973	08137117468	08173003401	08193000730	08214030721	08214065735	08214354033	08222143896	08225003090	08225005625	08225011901						
08080719401	08080748000	08080818113	0808080988600	08137002356	08137002770	08137004650	08137005562	08137007610	08137103003	08137117472	08173003501	08193000744	08214030724	08214065739	08214354719	08222172396	08225003302	08225005633	08225011902						
08080719810	08080750095	08080819010	0808080989000	08137002357	08137002771	08137004651	08137005563	08137007612	08137103004	08137117473	08173003601	08193000812	08214030727	08214065740	08214355719	08222173195	08225003303	08225005635	08225011951						
08080720080	08080750300	08080819100	0808080989100	08137002358	08137002772	08137004666	08137005566	08137007623	08137103005	08137117474	08173003510	08193100576	08214030735	08214065748	08214359001	08222173393	08225003305	08225005683	08225011952						
08080720100	08080751622	08080819112	0808080989200	08137002359	08137002774	08137004669	08137005571	08137007902	08137103007	08137117475	08173005410	08193100579	08214030737	08214065750	08214359033	08222173591	08225003382	08225005685	08225011991						
08080720120	08080752042	08080819210	0808080989300	08137002361	08137002778	08137004670	08137005576	08137007928	08137104653	08137117477	08173005510	08193100583	08214030739	08214065755	08214359719	08222174192	08225003383	08225005813	08225011992						
08080720150	08080752505	08080820100	0808080989400	08137002362	08137002779	08137004678	08137005583	08137007929	08137105834	08137117478	08173005610	08193102501	08214030740	08214065757	08214380001	08222174390	08225003385	08225005815	08225034402						
08080720163	08080752513	08080820112	08137001258	08137002363	08137002780	08137004711	08137005616	08137007962	08137108922	08137117479	08173005710	08193178801	08214030748	08214070001	08214381001	08222174598	08225003386	08225005816	08225034403						
08080720170	08080753901	08080821100	08137001760	08137002364	08137002781	08137004723	08137005620	08137008042	08137108923	08137117480	08173005810	08193178901	08214030750	08214070201	08214383034	08222182180	08225003387	08225005823	08225034405						
08080720189	08080754000	08080821112	08137001775	08137002365	08137002782	08137004731	08137005621	08137008043	08137109163	08137117483	08173005920	08195020312	08214030755	08214070721	08214384034	08222182586	08225003393	08225005825	08225034406						
08080720200	08080754100	08080822100	08137002060	08137002378	08137002783	08137004751	08137005622	08137008045	08137109218	08137117501	08173006020	08195040501	08214030757	08214070726	08214385034	08222192196	08225003395	08225005833	08225044502						
08080720205	08080754200	08080822112	08137002061	08137002380	08137002790	08137004752	08137005634	08137008047	08137109222	08137117547	08173006120	08195060601	08214035721	08214070727	08214500712	08222192592	08225003396	08225005835	08225044503						
08080720221	08080754400	08080822300	08137002062	08137002381	08137002791	08137004754	08137005635	08137008056	08137109237	08137117548	08173006220	08195030150	08214035726	08214070729	08214501712	08222193155	08225004020	08225006282	08225044505						
08080720230	0808075975																								

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																									
08225215500	08225582400	08287126042	08287126504	08290001101	08290002507	08290004339	08290201033	08290203952	08290301037	08290305195	08290305491	08290305945	08290320550	08290366356	08290371340	08290384183	08290405092	08290490901	08317110000						
08225218100	08225594300	08287126044	08287126504	08290001114	08290002860	08290004348	08290201034	08290203953	08290301625	08290305196	08290305492	08290305946	08290320551	08290366357	08290371341	08290384221	08290405093	08290491001	08317111000						
08225218400	08225602410	08287126048	08287126505	08290001118	08290002861	08290004358	08290201035	08290203954	08290301629	08290305197	08290305493	08290305950	08290320552	08290366359	08290371431	08290384232	08290405094	08290491101	08317112000						
08225233300	08225603410	08287126061	08287126506	08290001120	08290002870	08290004402	08290201036	08290203955	08290302830	08290305198	08290305500	08290305951	08290320553	08290366362	08290371432	08290384304	08290405132	08290491201	08317113000						
08225241600	08225606000	08287126063	08287126507	08290001135	08290002871	08290004403	08290201037	08290203956	08290302831	08290305199	08290305512	08290308341	08290320554	08290366363	08290371433	08290384308	08290405145	08290498041	08317114000						
08225242600	08225607000	08287126101	08287126555	08290001136	08290002874	08290004406	08290201038	08290203957	08290302832	08290305200	08290305513	08290309301	08290320555	08290366364	08290371434	08290384357	08290405146	08290498042	08317115000						
08225243600	08225608000	08287126102	08287126556	08290001137	08290002875	08290004407	08290201039	08290203958	08290302833	08290305201	08290305514	08290309305	08290320556	08290366365	08290371435	08290384358	08290405147	08290511005	08317116000						
08225256600	08225609000	08287126103	08287126557	08290001138	08290002878	08290005071	08290201042	08290204015	08290303005	08290305207	08290305536	08290309306	08290322025	08290367292	08290371436	08290384463	08290405148	08290511012	08317117000						
08225257600	08225621000	08287126104	08287126558	08290001139	08290002879	08290005149	08290201043	08290204016	08290303006	08290305208	08290305537	08290309310	08290322026	08290367294	08290371437	08290384464	08290405149	08290511252	08317118000						
08225260600	08225622000	08287126105	08287126559	08290001140	08290002900	08290005160	08290201044	08290204017	08290303007	08290305209	08290305538	08290309311	08290322050	08290367297	08290371438	08290384465	08290405160	08290511341	08317190000						
08225261600	08225626000	08287126107	08287126560	08290001141	08290002901	08290005173	08290201045	08290204018	08290303008	08290305210	08290305539	08290309540	08290322057	08290367298	08290371439	08290384466	08290405161	08290511346	08317210000						
08225262600	08225626400	08287126108	08287126562	08290001142	08290002902	08290005211	08290201051	08290204041	08290303009	08290305211	08290305540	08290309541	08290322065	08290367341	08290371525	08290384467	08290405162	08290511348	08317215500						
08225264600	08225627000	08287126109	08287126601	08290001143	08290002903	08290005500	08290201052	08290204042	08290303010	08290305213	08290305541	08290309569	08290322200	08290367342	08290371610	08290384468	08290405164	08290511349	08317220000						
08225265600	08225631000	08287126110	08287126602	08290001147	08290002904	08290005528	08290201053	08290204043	08290303011	08290305214	08290305542	08290309570	08290322201	08290371030	08290371611	08290384481	08290405170	08290511403	08317240000						
08225272600	08225632000	08287126111	08287126603	08290001148	08290002905	08290005540	08290201054	08290204045	08290303012	08290305215	08290305553	08290309571	08290322202	08290371031	08290371612	08290384490	08290405171	08290512027	08317315500						
08225272700	08225636000	08287126112	08287126605	08290001150	08290002906	08290006711	08290201055	08290204047	08290303013	08290305216	08290305554	08290309572	08290322203	08290371032	08290371613	08290384499	08290405172	08290512146	08317340000						
08225273600	08225641000	08287126115	08287126608	08290001172	08290002907	08290006713	08290201056	08290205031	08290303014	08290305217	08290305557	08290309574	08290323487	08290371036	08290371615	08290384516	08290405174	08290515003	08317210291						
08225280600	08225646000	08287126127	08287126611	08290001196	08290002908	08290006715	08290201070	08290205020	08290303015	08290305218	08290305558	08290309575	08290323488	08290371040	08290371620	08290384566	08290405180	08290515100	08317210295						
08225280800	08225653000	08287126129	08287126702	08290001198	08290003050	08290006719	08290201090	08290205021	08290303134	08290305219	08290305559	08290309577	08290324702	08290371041	08290371621	08290384575	08290405181	08290515102	08317220501						
08225281600	08225655000	08287126200	08287126703	08290001209	08290003052	08290006721	08290201161	08290205022	08290303345	08290305220	08290305561	08290309578	08290324703	08290371046	08290371623	08290384584	08290405182	08290515104	08317220602						
08225292600	08225671500	08287126201	08287126704	08290001219	08290003054	08290006723	08290201206	08290206006	08290303346	08290305222	08290305564	08290309579	08290324704	08290371050	08290371630	08290384620	08290405183	08290515105	08317220801						
08225296600	08225691000	08287126210	08287126705	08290001252	08290003056	08290006726	08290201207	08290206012	08290303347	08290305223	08290305577	08290309580	08290324705	08290371060	08290371631	08290384621	08290405184	08290515200	08317221000						
08225297600	08225700000	08287126211	08287126706	08290001284	08290003070	08290006731	08290201208	08290206147	08290303348	08290305224	08290305615	08290309581	08290324906	08290371070	08290371632	08290384635	08290405202	08290515202	08317225050						
08225298600	08225702000	08287126212	08287126707	08290001285	08290003075	08290006735	08290201209	08290206161	08290303365	08290305225	08290305617	08290309582	08290324907	08290371080	08290371633	08290385100	08290405203	08290515301	08317230129						
08225299600	08225708000	08287126213	08287126708	08290001293	08290003081	08290006983	08290201210	08290206228	08290303366	08290305227	08290305618	08290309587	08290324908	08290371090	08290371634	08290385102	08290405206	08290515304	08317232129						
08225299700	08225742000	08287126214	08287126709	08290001295	08290003084	08290006999	08290201211	08290206231	08290303367	08290305230	08290305620	08290309588	08290324909	08290371110	08290371635	08290385108	08290405207	08290515306	08317234132						
08225300500	08225790000	08287126218	08287126729	08290001296	08290003092	08290007167	08290201212	08290206235	08290303368	08290305231	08290305677	08290309589	08290324910	08290371111	08290371641	08290400106	08290405211	08290515400	08317234932						
08225301200	08225791000	08287126219	08287126730	08290001300	08290003096	08290007178	08290201255	08290206244	08290303369	08290305232	08290305678	08290309592	08290324911	08290371112	08290371670	08290400434	08290405234	08290515401	08317235131						
08225303500	08225793000	08287126230	08287126731	0829002																					

Exhibit 18C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

0831750005	0831778005	0832631098	0833305380	0833316105	0833359301	0837304900	0838001064	0838003615	0838003824	0838007910	0838000859	0838000894	0838000982	0838001493	0838001814	0838001915	0838008872	0838009782	0839507836
0831750006	0831778010	0832631108	0833315071	0833316201	0833356201	0837304910	0838001132	0838003616	0838003826	0838007917	0838000859	0838000897	0838000982	0838001494	0838001815	0838001915	0838008873	0838009783	0839507837
0831750003	0831778201	0832631901	0833315250	0833316211	0833356401	0837304990	0838001433	0838003617	0838003827	0838008081	0838000859	0838000897	0838000982	0838001495	0838001815	0838001915	0838008873	0838009783	0839507839
0831750005	0831778310	0832631903	0833315251	0833316225	0833356401	0837305251	0838001434	0838003630	0838003832	0838008083	0838000859	0838000897	0838000982	0838001496	0838001815	0838001920	0838008874	0838009784	0839507840
0831750010	0831778401	0832631905	0833315252	0833316245	0833356401	0837305300	0838001438	0838003631	0838003833	0838008084	0838000859	0838000897	0838000982	0838001497	0838001816	0838001923	0838008880	0838009792	0839507842
0831750230	0831788012	0832631906	0833315270	0833316249	0833385141	0837305310	0838001439	0838003632	0838003834	0838008084	0838000859	0838000897	0838000982	0838001498	0838001816	0838001924	0838008882	0838009792	0839507843
0831753001	0831788012	0832631903	0833315271	0833316261	0833385161	0837305530	0838001460	0838003633	0838003837	0838008084	0838000859	0838000897	0838000982	0838001499	0838001816	0838001925	0838008883	0838009793	0839507844
0831753006	0831788013	0832632004	0833315272	0833316265	0833390600	0837305975	0838001466	0838003634	0838003842	0838008084	0838000859	0838000897	0838000982	0838001499	0838001817	0838001925	0838008883	0838009793	0839507845
0831753005	0831788025	0832632094	0833315273	0833316271	0833390610	0837307100	0838001481	0838003636	0838003843	0838008084	0838000859	0838000897	0838000982	0838001499	0838001817	0838001925	0838008884	0838009794	0839507846
0831753011	0831788022	0832633001	0833315271	0833316281	0833390620	0837307180	0838001482	0838003638	0838003844	0838008084	0838000859	0838000897	0838000982	0838001502	0838001817	0838001930	0838008901	0838420122	0839507847
0831753205	0831788030	0832633101	0833315272	0833316291	0833390630	0837307190	0838001483	0838003639	0838003847	0838008084	0838000859	0838000897	0838000982	0838001503	0838001817	0838003731	0838008902	0838430010	0839507849
0831754001	0831788251	0832640101	0833315281	0833316305	0833390640	0837307200	0838001484	0838003662	0838003872	0838008084	0838000859	0838000897	0838000982	0838001504	0838001818	0838003731	0838008903	0838502265	0839507850
0831754005	0831788281	0832640202	0833315282	0833316331	0833390650	0837307220	0838001485	0838003663	0838003873	0838008084	0838000859	0838000897	0838000982	0838001502	0838001818	0838003731	0838008904	0838502651	0839507851
0831754005	0831788505	0832700629	0833315283	0833316341	0833390610	0837307240	0838001486	0838003664	0838003874	0838008084	0838000859	0838000897	0838000982	0838001503	0838001818	0838007112	0838008905	0838506601	0839507890
0831754110	0831795000	0832700619	0833315284	0833316351	0833390611	0837307250	0838001487	0838003665	0838003892	0838008084	0838000859	0838000897	0838000982	0838001504	0838001819	0838007414	0838008951	0838506670	0839507892
0831754211	0831795500	0832700628	0833315300	0833316501	0833390612	0837307250	0838001488	0838003668	0838003893	0838008084	0838000859	0838000897	0838000982	0838001502	0838001819	0838007850	0838009062	0838511057	0839507893
0831754311	0831797012	0832700627	0833315301	0833316551	0833390613	0837307350	0838001196	0838003669	0838003894	0838008084	0838000859	0838000897	0838000982	0838001503	0838001819	0838007851	0838009082	0838511057	0839507894
0831754411	0831797018	0832700629	0833315302	0833316831	0833390614	0837307400	0838001314	0838003680	0838003897	0838008084	0838000859	0838000897	0838000982	0838001503	0838001820	0838007930	0838009102	0838511057	0839507895
0831755011	0831797021	0832700629	0833315303	0833316881	0833390615	0837307420	0838001314	0838003681	0838003902	0838008084	0838000859	0838000897	0838000982	0838001504	0838001820	0838007931	0838009104	0839503569	0839507896
0831755062	0831797025	0832700709	0833315301	0833320811	0833390616	0837307500	0838001314	0838003682	0838003903	0838008084	0838000859	0838000897	0838000982	0838001504	0838001820	0838007940	0838009122	0839504110	0839507897
0831755100	0831797028	0832700729	0833315302	0833320821	0833390619	0837307550	0838001314	0838003683	0838003904	0838008084	0838000859	0838000897	0838000982	0838001504	0838001822	0838007950	0838009124	0839504110	0839508110
0831755505	0831798012	0832700809	0833315330	0833320831	0833390620	0837307560	0838001314	0838003684	0838003907	0838008084	0838000859	0838000897	0838000982	0838001503	0838001823	0838007950	0838009142	0839504130	0839508110
0831756001	0831798012	0832700876	0833315331	0833320831	0833390621	0837307650	0838001314	0838003685	0838003907	0838008084	0838000859	0838000897	0838000982	0838001503	0838001824	0838007950	0838009144	0839504132	0839508130
0831756006	0831798012	0832700880	0833315332	0833320841	0833390622	0837307651	0838001386	0838003702	0838007163	0838008084	0838000859	0838000897	0838000982	0838001504	0838001822	0838007950	0838009164	0839504133	0839508130
0831756005	0831798025	0832700886	0833315340	0833320841	0833390623	0837307655	0838001386	0838003703	0838007166	0838008084	0838000859	0838000897	0838000982	0838001505	0838001823	0838007950	0838009184	0839504134	0839508132
0831756010	0831798028	0832700899	0833315341	0833320843	0833390624	0837308011	0838001322	0838003706	0838007166	0838008084	0838000859	0838000897	0838000982	0838001506	0838001824	0838007950	0838009184	0839504135	0839508133
0831757001	0831798032	0832700896	0833315342	0833320861	0833390625	0837308021	0838001322	0838003707	0838007168	0838008084	0838000859	0838000897	0838000982	0838001506	0838001824	0838007950	0838009184	0839504136	0839508134
0831757005	0831799012	0832700912	0833315343	0833320861	0833390626	0837308031	0838001322	0838003722	0838007169	0838008084	0838000859	0838000897	0838000982	0838001506	0838001824	0838007950	0838009184	0839504137	0839508135
0831757015	0831799013	0832700929	0833315350	0833320941	0833390627	0837308110	0838001325	0838003723	0838007179	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504138	0839508136
0831757005	0831799020	0832701719	0833315351	0833328611	0833395191	0837308111	0838001325	0838003728	0838007179	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504139	0839508137
0831757110	0831799025	0832701713	0833315352	0833328621	0833395191	0837308121	0838001325	0838003728	0838007179	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504140	0839508138
0831757205	0831799040	0832701729	0833315353	0833328623	0833395361	0837308121	0838001325	0838003727	0838007150	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504141	0839508140
0831763005	0831799060	0832701723	0833315371	0833328631	0833395431	0837308131	0838001323	0838003730	0838007150	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504142	0839508141
0831763005	0831799070	0832701730	0833315380	0833328641	0833395451	0837308131	0838001324	0838003731	0838007150	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504143	0839508142
0831763111	0831799075	0832701733	0833315381	0833328643	0833395461	0837308070	0838001328	0838003732	0838007157	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504144	0839508144
0831766001	0831799080	0832701749	0833315382	0833328661	0833395481	0837309294	0838001329	0838003733	0838007151	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504145	0839508145
0831766015	0831799090	0832701743	0833315383	0833328663	0833710134	0837314310	0838001323	0838003734	0838007151	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504146	0839508146
0831766016	0831799095	0832704869	0833315381	0833328681	0834710001	0837320880	0838001327	0838003735	0838007151	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504147	0839508147
0831766121	0832600301	0832704869	0833315382	0833329501	0834720001	0837322860	0838001327	0838003736	0838007151	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504148	0839508148
0831770025	0832621221	0832704869	0833315391	0833329501	0834800011	0837322990	0838001327	0838003736	0838007152	0838008084	0838000859	0838000897	0838000982	0838001507	0838001824	0838007950	0838009184	0839504149	0839508149
0831770050																			

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																									
08395099120	08396900900	08462102013	08466093100	08470119001	08484032500	08489728750	08496019401	08496031801	08496281501	08517342901	08525011300	08554229701	08590000900	08595042500	08626412301	08881200573	08881513512	08881833210	08887630229						
08395099150	08396900934	08462103104	08468430050	08470130001	08484032800	08489728850	08496019501	08496031901	08496281511	08517343001	08525011401	08554232701	08590001000	08595042700	08627001101	08881200714	08881513538	08881833215	08887630245						
08395099180	08396901034	08462104001	08468430505	08470131001	08484050362	08489728950	08496019601	08496032101	08496281801	08517344001	08525011501	08554264901	08590001300	08595052700	08627001301	08881200755	08881513744	08881833310	08887630260						
08396081300	08396901134	08462109750	08468431100	08470131101	08484051885	08489729050	08496019801	08496032201	08496285501	08517345001	08528003101	08554318802	08590001400	08595060000	08627001401	08881200805	08881513918	08881833315	08887660085						
08396500122	08396901234	08462109751	08470011001	08470140201	08484051890	08489749610	08496019901	08496032901	08496285511	08517349001	08528003301	08554332901	08590004800	08595060100	08627001601	08881202017	08881513934	08881833558	08887660101						
08396500125	08396901334	08462109912	08470010401	08470140401	08484052800	08489749710	08496020001	08496032401	08496285801	08517352930	08528003501	08554333702	08590004900	08595060200	08627002011	08881202033	08881516051	08881866015	08887660127						
08396500126	08396901434	08462122015	08470010501	08470141201	08484053310	08489749810	08496020101	08496032701	08496290201	08517353036	08528004101	08554338401	08590005100	08595060300	08627002021	08881202363	08881516135	08881866110	08887660143						
08396500144	08396901534	08462122064	08470026001	08470141401	08484053350	08489749910	08496020201	08496032801	08496290205	08517354036	08528004501	08554362901	08590005200	08595060400	08627002031	08881202371	08881516150	08881866115	08887660168						
08396500175	08396901634	08462122069	08470026501	08470142201	08484070120	08489786609	08496020301	08496032901	08496290501	08517355036	08528004901	08554376402	08590005400	08595060500	08627003011	08881204005	08881516200	08881866215	08887660184						
08396500225	08396901734	08462122200	08470027001	08470142401	08484070802	08489787009	08496020401	08496033101	08496290801	08517356036	08528010001	08554386401	08590005500	08595060600	08627003021	08881250016	08881516911	08881882712	08887660903						
08396500244	08396902000	08462122220	08470027101	08470144201	08484071950	08489787209	08496020501	08496033201	08496291501	08517359036	08528010301	08554402401	08590005700	08595060700	08627003031	08881250024	08881516937	08881882812	08887665183						
08396500291	08396902400	08462123200	08470027401	08470144401	08484072500	08489791010	08496020601	08496033501	08496291511	08517359536	08528010501	08554402501	08590005900	08595060800	08627005011	08881250032	08881520178	08881892910	08887665209						
08396500375	08396902700	08462130045	08470027601	08470161401	08484073200	08489791410	08496020701	08496033701	08496295501	08517382919	08528010601	08554403601	08590006100	08595060900	08627005021	08881250040	08881520251	08881892930	08887665225						
08396500425	08396902900	08462141001	08470030001	08470163401	08484074300	08489816210	08496021001	08496033801	08496295511	08517382936	08528067701	08554408801	08590006200	08595070050	08627005031	08881250057	08881520657	08881892950	08887665241						
08396500426	08396903100	08462141007	08470030101	08470164401	08484075050	08489816310	08496021101	08496033901	08496300301	08517383019	08528080501	08554424001	08590006400	08595070150	08627005104	08881250065	08881520665	08881893010	08887665241						
08396500444	08396903200	08462141086	08470030201	08470182901	08484075300	08489830710	08496021201	08496034001	08496300501	08517383036	08528080570	08554442601	08590006600	08595070250	08627005303	08881250073	08881520673	08881893030	08887665241						
08396500475	08396903300	08462142601	08470040001	08470183001	08484081028	08489830810	08496021301	08496034101	08496300601	08517383065	08528146404	08554444201	08590007000	08595070350	08627006011	08881250081	08881535101	08881893050	08887665241						
08396500525	08396903400	08462142602	08470044101	08470184001	08484082026	08489830910	08496021401	08496034201	08496300801	08517384019	08528146704	08554453801	08590007100	08595070450	08627006021	08881250099	08881535762	08881901006	08887665203						
08396500526	08396903500	08462142603	08470044181	08470185001	08484990310	08489831100	08496021601	08496035001	08496301001	08517384036	08528147401	08554454601	08590007200	08595070550	08627006031	08881250107	08881535770	08881901014	08887665206						
08396500544	08396903700	08462143001	08470043001	08470189001	08484990328	08489831110	08496021701	08496035201	08496301201	08517384065	08528110028	08556094001	08590007300	08595080050	08627008011	08881250115	08881535788	08881903002	08887665241						
08396500575	08423112613	08462142601	084700443501	08470202901	08484990338	08489831210	08496021801	08496035201	08496301501	08517385019	08531010030	08560940002	08590007400	08595080150	08627008021	08881250123	08881535796	08881903010	08887665241						
08396500622	08423112617	08462142601	08470044401	08470203001	08484990355	08489831310	08496021901	08496036301	08496301511	08517385036	08531381800	08560940003	08590007500	08595080250	08627008031	08881250149	08881540122	08881906005	08887665241						
08396500625	08423112721	08462143010	08470044501	08470204001	08484990430	08489831410	08496022001	08496036401	08496301601	08517385065	08531382000	08564000000	08590007600	08595080350	08627009011	08881250172	08881540166	08881906104	08887665241						
08396500644	08423112731	08462143010	08470045001	08470205001	08484990432	08489831510	08496022101	08496038801	08496301611	08517386036	08531388800	08566015915	08590007700	08595080450	08627009111	08881250206	08881541034	08881907000	08887665241						
08396500675	08423112742	08462143020	08470045501	08470209001	08484990435	08489846710	08496022201	08496038901	08496303001	08517389019	08536010000	08566016915	08590007800	08595080550	08630010001	08881250214	08881541067	08884540500	08887665241						
08396500691	08423112906	08462143022	08470046001	08470210001	08484990437	08489846810	08496023101	08496039001	08496303501	08517389036	08536011000	08566017915	08590007900	08595080650	08630020002	08881250222	08881560125	08884541300	08887665241						
08396500725	08423112908	08462550047	08470046501	08470215001	08484990438	08489846910	08496023201	08496039601	08496303511	08521000131	08536011500	08565044415	08590008000	08597111113	08633900001	08881250230	08881560141	08884541400	08887665241						
08396500744	08423112910	08462551000	08470051001	08470282901	08489900110	08489847010	08496023301	08496039801	08496303601	08521000231	08536012000	08566123401	08590008100	08605010001	08636012301	08881250255	08881560182	08884700108	08887665241						
08396500791	08423162126	08462551095	08470051501	0847																					

Exhibit 18C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

09038000728	10075017621	10725002346	11509000410	11640000511	11701071201	11701071770	11701072551	11701073020	11701073334	11701074807	11701075410	11701080725	11701082225	11701084535	11701085850	11701087524	11701088691	11701090353	11701090560
09038000730	10075018796	10725002349	11509000446	11640000512	11701071202	11701071780	11701072551	11701073030	11701073340	11701074808	11701075411	11701080726	11701082230	11701084540	11701085855	11701087525	11701088692	11701090354	11701090610
09038000732	10075018863	10725002352	11509000462	11640000600	11701071203	11701071781	11701072551	11701073031	11701073341	11701074809	11701075420	11701080727	11701082235	11701084610	11701085910	11701087526	11701088693	11701090355	11701090611
09038000734	10075020523	10725002354	11509000500	11640000601	11701071204	11701071780	11701072552	11701073032	11701073350	11701074901	11701075421	11701080728	11701082240	11701084615	11701085915	11701087564	11701088694	11701090370	11701090612
09038000736	10119040307	10725002427	11509006007	11640000605	11701071205	11701071780	11701072553	11701073033	11701073351	11701074902	11701075430	11701080729	11701082310	11701084620	11701085920	11701087565	11701088695	11701090371	11701090613
09038000738	10119041502	10725002501	11509006047	11640000606	11701071206	11701071780	11701072554	11701073034	11701073352	11701074903	11701075431	11701080810	11701082410	11701084625	11701085925	11701087566	11701088696	11701090372	11701090614
09038000740	10119043001	10725002506	11509006057	11640000610	11701071301	11701071804	11701072560	11701073035	11701073353	11701074904	11701075440	11701080811	11701082510	11701084630	11701085930	11701087574	11701088697	11701090401	11701090620
09038022300	10119043002	10725002507	11509006508	11640000622	11701071302	11701071810	11701072561	11701073036	11701073354	11701074905	11701075441	11701080812	11701082610	11701084635	11701085935	11701087575	11701088710	11701090402	11701090621
09038022301	10119043004	10725002508	11509006709	11640000632	11701071303	11701071811	11701072562	11701073037	11701073355	11701074906	11701075450	11701080813	11701082615	11701084710	11701085940	11701087576	11701088720	11701090403	11701090622
09038022302	10119043013	10725002509	11509006710	11640000633	11701071310	11701071815	11701072563	11701073038	11701073356	11701074907	11701075451	11701080814	11701082620	11701084715	11701085945	11701087584	11701088721	11701090404	11701090623
09038022303	10119043014	10725002726	11509008900	11640000634	11701071401	11701071816	11701072570	11701073101	11701073360	11701074908	11701075460	11701080815	11701082710	11701084720	11701085950	11701087585	11701088722	11701090405	11701090624
09038022304	10119043015	10939003433	11509013100	11640000655	11701071402	11701071850	11701072571	11701073102	11701073361	11701074909	11701075461	11701080816	11701082715	11701084811	11701085955	11701087586	11701088723	11701090406	11701090650
09038022305	10119043016	10939003533	11509014900	11640000678	11701071403	11701071851	11701072572	11701073103	11701073362	11701075001	11701075470	11701080817	11701082810	11701084816	11701086010	11701087640	11701088724	11701090407	11701090651
09038022306	10119043017	10939003633	11640000001	11640000701	11701071404	11701071852	11701072573	11701073104	11701073370	11701075002	11701075471	11701080818	11701082815	11701084821	11701086015	11701087644	11701088730	11701090408	11701090652
09038022307	10119043018	10939004233	11640000002	11640000702	11701071405	11701071853	11701072580	11701073105	11701073371	11701075003	11701075480	11701080819	11701082820	11701084831	11701086020	11701087645	11701088731	11701090409	11701090653
09038022308	10119043019	10939004433	11640000003	11640000703	11701071406	11701071860	11701072581	11701073106	11701073372	11701075004	11701075481	11701080820	11701082825	11701084836	11701086025	11701087646	11701088732	11701090411	11701090654
09038022309	10119043020	10939009393	11640000034	11640000704	11701071407	11701071861	11701072582	11701073107	11701073373	11701075005	11701075490	11701080821	11701082831	11701084841	11701086030	11701087660	11701088733	11701090412	11701090655
09038022310	10119043042	10939010633	11640000044	11640000705	11701071408	11701071870	11701072583	11701073108	11701073374	11701075006	11701075491	11701080822	11701082831	11701084851	11701086035	11701087670	11701088734	11701090414	11701090656
09038022311	10119081180	10939010733	11640000049	11640000719	11701071409	11701071901	11701072584	11701073109	11701073401	11701075007	11701075501	11701080823	11701083125	11701084856	11701086040	11701087681	11701088811	11701090416	11701090657
09869541523	10119081195	10939019433	11640000100	11640000722	11701071410	11701071902	11701072589	11701073110	11701073402	11701075008	11701075502	11701080810	11701083130	11701084861	11701086045	11701087682	11701088812	11701090417	11701090658
09958000512	10119081501	10939019633	11640000101	11640000725	11701071501	11701071903	11701072591	11701073111	11701073501	11701075011	11701075510	11701080811	11701083135	11701084871	11701086050	11701087683	11701088804	11701090418	11701090660
09958000522	10147092103	10939022822	11640000102	11640000729	11701071502	11701071904	11701072591	11701073120	11701073502	11701075012	11701075511	11701080812	11701083310	11701084876	11701086055	11701087762	11701088905	11701090419	11701090670
09958000562	10147092205	10939028544	11640000103	11640000732	11701071503	11701071905	11701072620	11701073121	11701073503	11701075013	11701075520	11701080813	11701083315	11701084881	11701086110	11701087782	11701088911	11701090426	11701090675
09958000585	10158005306	10939028644	11640000104	11640000735	11701071504	11701071901	11701072701	11701073122	11701073601	11701075014	11701075521	11701080814	11701083320	11701084905	11701086115	11701087792	11701088912	11701090427	11701090676
09958000592	10158005308	10939029444	11640000105	11640000738	11701071505	11701072002	11701072702	11701073123	11701073602	11701075015	11701075530	11701080815	11701083325	11701084910	11701086120	11701087846	11701088914	11701090428	11701090685
09958000602	10158005315	10939030444	11640000106	11640000741	11701071511	11701072010	11701072703	11701073124	11701073603	11701075016	11701075531	11701080816	11701083330	11701084915	11701086125	11701087856	11701088915	11701090429	11701090686
09958000611	10158005450	10939030544	11640000107	11640000810	11701071512	11701072011	11701072704	11701073125	11701073802	11701075017	11701075540	11701080817	11701083335	11701084920	11701086130	11701087870	11701088921	11701090431	11701090701
09958000642	10158005455	10939030644	11640000108	11640000811	11701071513	11701072012	11701072710	11701073126	11701073810	11701075018	11701075541	11701080818	11701083340	11701084925	11701086135	11701087880	11701088922	11701090432	11701090702
09958000672	10158006202	10939030844	11640000109	11640000812	11701071514	11701072013	11701072711	11701073130	11701073811	11701075019	11701075550	11701080819	11701083341	11701084930	11701086140	11701087885	11701088923	11701090433	11701090703
09958000682	10158006204	10939040544	11640000110	11640000813	11701071515	11701072014	11701072712	11701073131	11701073820	11701075102	11701075551	11701080820	11701083345	11701084935	11701086145	11701087890	11701088924	11701090434	11701090704
09958000692	10158007801	10939042502	11640000111	11640000814	11701071550	11701072015	11701072713	11701073132	11701073821	11701075103	11701075560	11701080821	11701083340	11701084940	11701086150	11701087895	11701088925	11701090441	11701090705
09958000702	10158008025	10939049444	11640000112	11640000815	11701071551	11701072101	11701072714	11701073133	11701073830	11701075104	11701075561	11701080822	11701083345	11701084945	11701086155	11701087899	11701088932	11701090442	11701090801
09958000712	10158008111	10939059233	11640000113	11640000821	11701071552	11701072102	11701072715	11701073155	11701073831	11701075105	11701075570	11701080823	11701083340	11701085010	11701086210	11701087910	11701088934	11701090444	11701090802
09958000722	10158009206	10939059333	11640000114	11640000822	11701071553	11701072103	11701072720	11701073157	11701073840	11701075106	11701075571	11701080824	11701083345	11701085015	11701086215	11701087911	11701088935	11701090446	11701090803
09958000732	10158009213	10939059433	11640000122	11640000823	11701071554	11701072104	11701072721	11701073158	11701073850	11701075107	11701079301	11701080825	11701083340	11701085020	11701086220	11701087910	11701088941	11701090447	11701090804
09958000742	10158008704	10939059533	11640000125	11640000824	11701071560	11701072201	11701072722	11701073159	11701073851	11701075111	11701079310	11701080826	11701083345	11701085025	11701086310	11701087911	11701088942	11701090448	11701091003
09958000850	10158009824	10939059733	11640000129	11640000825	11701071561	11701072202	11701072723	11701073201	11701073852	11701075112	11701079401	11701080827	11701083350	11701085030	11701086410	11701088190	11701088944	11701090449	11701091300
09958000860	10481100901	10939070944	11640000132	11640000831	11701071562	11701072203	11701072730	11701073202	11701073853	11701075113	11701079410								

		Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																			
11701092070	11701093157	11822037140	11822302180	11822330490	11822485410	11822825480	11822854870	11917004245	11917005468	11917006749	11917007789	11917009540	11917011187	11917013786	11917015104	11917015899	11917017235	12547063966	13703024120	14613020122	
11701092072	11701093201	11822037870	11822303500	11822330500	11822488930	11822854880	11822854880	11917004428	11917005469	11917006750	11917007980	11917009541	11917011208	11917013787	11917015198	11917015900	11917017274	13533031300	13703024121	14613020183	
11701092074	11701093202	11822039300	11822303200	11822331270	11822488940	11822870800	11822870800	11917004250	11917005470	11917006823	11917007981	11917009542	11917011210	11917013790	11917015204	11917015901	11917017277	13533031301	13703024130	14613020218	
11701092076	11701093203	11822039380	11822303210	11822332280	11822489010	11822872850	11822872850	11917004251	11917005471	11917006824	11917007982	11917009543	11917011211	11917013819	11917015205	11917015902	11917017364	13551090010	13703002413	14613020253	
11701092181	11701093205	11822039460	11822302740	11822332920	11822489320	11822877060	11822877060	11917004479	11917005472	11917006825	11917007983	11917009544	11917011212	11917013820	11917015207	11917015903	11917017365	13551090301	13703031221	14613020274	
11701092182	11701093206	11822039470	11822302920	11822337370	11822489330	11822877080	11822877080	11917004480	11917005473	11917006861	11917007985	11917009545	11917011213	11917014090	11917015217	11917015904	11917017366	13551090302	13703031331	14613020374	
11701092183	11701093207	11822039480	11822303320	11822339880	11822489340	11822877140	11822877140	11917004482	11917005479	11917006865	11917007995	11917009546	11917011222	11917014091	11917015220	11917015905	11917017389	13551090303	13703031441	14613033908	
11701092191	11701093208	11822039490	11822303540	11822340680	11822493960	11822882140	11822882140	11917004490	11917005480	11917006877	11917007996	11917009547	11917011291	11917014111	11917015222	11917015917	11917017419	13703010130	13703031541	14613033909	
11701092192	11701093209	11822039630	11822305630	11822340850	11822504320	11822882210	11822882210	11917004494	11917005481	11917006879	11917007997	11917009548	11917011292	11917014131	11917015232	11917015929	11917017442	13703010131	13703035221	14613033914	
11701092193	11701093220	11822039640	11822305940	11822343910	11822511340	11822893960	11822893960	11917004793	11917005482	11917006880	11917007998	11917009549	11917011293	11917014163	11917015343	11917015932	11917017454	13703010133	13703035331	14613033922	
11701092194	11701093250	11822041593	11822306640	11822344390	11822511490	11822893970	11822893970	11917004794	11917005483	11917006881	11917007999	11917009550	11917011294	11917014167	11917015488	11917015933	11917017521	13703010134	13703035441	14832001001	
11701092195	11701093251	11822042345	11822308400	11822345740	11822511500	11822893980	11822893980	11917004795	11917005484	11917006883	11917008000	11917009551	11917011295	11917014168	11917015517	11917015934	11917017572	13703010150	13703035541	14832001002	
11701092196	11701093252	11822050390	11822308430	11822345750	11822511510	11822893990	11822893990	11917004813	11917005485	11917006884	11917008027	11917009552	11917011296	11917014176	11917015518	11917015979	11917017619	13703010151	13703050300	14832001003	
11701092197	11701093254	11822051913	11822309060	11822348010	11822512920	11822894990	11822894990	11917004814	11917005486	11917006885	11917008091	11917009553	11917011297	11917014177	11917015519	11917015981	11917017638	13703010160	13703050301	14832001004	
11701092198	11701093255	11822051915	11822309230	11822350380	11822512930	11822895000	11822895000	11917004815	11917005487	11917006886	11917008108	11917009554	11917011298	11917014192	11917015520	11917015984	11917017639	13703010161	13703050500	14832001005	
11701092207	11701093256	11822051916	11822309670	11822350390	11822513160	11822915390	11822915390	11917004871	11917005488	11917006888	11917008109	11917009556	11917011299	11917014203	11917015521	11917015992	11917017640	13703010162	13703050501	14832001006	
11701092321	11701093257	11822052570	11822309700	11822350540	11822513880	11822933500	11822933500	11917004874	11917005489	11917006907	11917008110	11917009556	11917011300	11917014204	11917015522	11917015999	11917017781	13703010210	13703051000	14832001021	
11701092325	11701093258	11822054179	11822309860	11822350880	1182513890	11822935010	11822935010	11917004875	11917005501	11917006909	11917008152	11917009559	11917011301	11917014205	11917015524	11917016005	11917017839	13703010211	13703051001	14832001030	
11701092328	11701093415	11822054253	11822309870	11822351030	11822514090	11822935030	11822935030	11917004876	11917005502	11917006910	11917008154	11917009600	11917011302	11917014206	11917015525	11917016007	11917017843	13703010270	13703052000	14832001031	
11701092329	11701093513	11822054269	11822309950	11822351350	11822515260	11822935050	11822935050	11917004877	11917005565	11917006935	11917008155	11917009601	11917011303	11917014207	11917015526	11917016045	11917018336	13703010271	13703052001	14832001271	
11701092350	11701093517	11822054270	11822310270	11822351410	11822515660	11822935080	11822935080	11917004887	11917005568	11917006951	11917008159	11917009602	11917011344	11917014223	11917015528	11917016179	11917018337	13703010280	13703053000	14832001276	
11701092351	11701093702	11822054298	11822311150	11822353810	11822515800	11822935090	11822935090	11917004888	11917005569	11917006960	11917008185	11917009603	11917011345	11917014233	11917015551	11917016180	11917018338	13703010281	13703053001	14832001304	
11701092352	11701093901	11822054299	11822311250	11822358490	11822515810	11822935100	11822935100	11917004891	11917005565	11917006966	11917008196	11917009604	11917011364	11917014266	11917015553	11917016181	11917018339	13703010290	13703056000	14844000000	
11701092353	11701093902	11822054300	11822311260	11822358500	1182511600	11822935210	11822935210	11917004892	11917005566	11917007008	11917008197	11917009623	11917011375	11917014267	11917015554	11917016184	11917018340	13703010291	13703056001	14844000001	
11701092617	11822000040	11822054313	11822311440	11822359130	11822516630	11822935230	11822935230	11917004893	11917005595	11917007010	11917008198	11917009650	11917011379	11917014268	11917015557	11917016186	11917018368	13703010300	13703082010	14844000006	
11701092622	11822000710	11822054316	11822359140	11822527990	11822985610	11822985610	11822985610	11917004894	11917005747	11917007036	11917008200	11917009643	11917011381	11917014269	11917015580	11917016187	11917018370	13703010301	13703082011	14844000007	
11701092801	11822001887	11822055793	11822311520	11822359150	11822527990	11822985620	11822985620	11917004896	11917005748	11917007037	11917008201	11917009863	11917011383	11917014296	11917015600	11917016188	11917018375	13703010310	13703082030	14844000008	
11701092802	11822001890	11822056559	11822311530	11822359160	11822528000	11822985630	11822985630	11917004897	11917005762	11917007038	11917008216	11917009864	11917011384	11917014323	11917015606	11917016189	11917018497	13703010311	13703082031	14844000009	
11701092803	11822002120	11822056560	11822311550	11822361630	11822528010	11822985640	11822985640	11917004898	11917005801	11917007039	11917008240	11917009865	11917011385	11917014338	11917015625	11917016201	11917018565	13703010320	13703082090	14844000010	
11701092902	11822002600	11822056562	11822311560	11822361650	11822528020	11822985650	11822985650	11917004899	11917005812	11917007040	11917008241	11917009866	11917011434	11917014339	11917015632	11917016216	11917018575	13703010321	13703082091	14844000011	
11701092903	11822002610	11822056725	11822311570	11822364390	11822528030	11822985660	11822985660	11917004900	11917005813	11917007048	11917008243	11917009892	11917011568	11917014346	11917015693	11917016227	11917018806	13703010330	13703085010	14844000012	
11701092904	11822002640	11822062242	11822312030	11822367950	11822536510	11822985670	11822985670	11917004901	11917005814	11917007049	11917008288	11917009893	11917011569	11917014376	11917015694	11917016265	11917018808	13703010331	13703085021	14844000013	
11701092905	11822003060	11822064168	11822312580	11822368820	11822538110	11822985680	11822985680	11917004910	11917005815	11917007050	11917008337	11917009896	11917011570	11917014384	11917015695	11917016305	11917018877	13703010340	13703085031	14844000014	
11701092906	11822003790	11822064221	11822312590	11822370480	11822538160	11822985690	11822985690	11917004916	11917005903	11917007051	11917008338	11917009897	11917011572	11917014387	11917015743	11917016342	11917019163	13703010341	13703085041	14844000015	
11701092907	11822005830	11822064222	11822312600	11822370520	11822538170	11822985700	11822985700	11917005047	11917005929	11917007052	11917008382	11917009921	11917011815	11917014451	11917015750	11917016343	11917019176	13703010350	13703085051	14844000016	
11701092908	11822005831	11822065587	11822312680	11822370660	11822545820	11822985710	11822985710	11917005059	11917006071	119170											

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																			
15630004674	16042001183	16784069303	16784070273	17922010075	19869000148	19869052952	19869053508	19869053698	19869054309	22319076211	23601000719	23601022871	23601087401	25715067169	28785031014	32252003026	32671000500	33332011710	35515095852
15630004675	16042001197	16784069313	16784070283	17922010273	19869000172	19869052953	19869053509	19869053699	19869054310	22319076220	23601000720	23601022900	23601087402	25715067223	28785031314	32252003033	32671000501	33332011711	35515095948
15630004676	16042001198	16784069323	16784070303	17922010280	19869000173	19869052954	19869053510	19869053700	19869054311	22319076290	23601000725	23601023100	23601087500	25715067401	28785033001	32252003034	32671000502	33332011810	35515096502
15630004677	16042001199	16784069333	16784070312	18029048147	19869000174	19869052955	19869053511	19869053701	19869054312	22319076501	23601000728	23601023200	23601087501	25715067767	28785040002	32252003051	32671000503	33332011811	35515096503
15630004678	16042001200	16784069342	16784070322	18029071001	19869000175	19869052956	19869053512	19869053702	19869054313	22319076520	23601000729	23601023300	23601087502	25715067790	28785040520	32252003066	32671000504	33332012120	35515096586
15630004884	16042001201	16784069352	16784070332	18029071002	19869000176	19869052957	19869053513	19869053703	19869054314	22319076551	23601000756	23601023407	23601087600	25715067820	28785050040	32252003067	32671000505	33332012121	35515096587
15630004931	16042001203	16784069403	16784070342	18029071003	19869000177	19869052958	19869053514	19869053704	19869054315	22319076561	23601000761	23601023572	23601087601	25715067825	28785050041	32252003068	32671000506	33332022020	35515096929
15630004992	16042001204	16784069413	16784070352	18029071004	19869000178	19869052959	19869053515	19869053705	19869054316	22319076571	23601000773	23601031013	23601087602	25715067830	28785050820	32252003069	32671000507	33332022121	35515096931
15630004993	16042001271	16784069423	16784070362	18029072001	19869000179	19869052960	19869053516	19869053706	19869054317	22319076590	23601000805	23601031217	23601087603	25715067856	28785050900	32252003070	32671000508	33332022120	35515096932
15630004994	16042001272	16784069433	16784070372	18029072003	19869000180	19869052961	19869053517	19869053707	19869054533	22319076819	23601001221	23601032001	23601087900	25715067977	28785050911	32252003071	32671000509	33332022121	35515096983
15630004995	16042001273	16784069443	16784070383	18029078066	19869000181	19869052962	19869053518	19869053708	19869054534	22319076820	23601001222	23601033600	23601087901	25715068352	28785050920	32252003072	32671000510	33332017011	35515097002
15630004996	16042001274	16784069453	16784070393	18029078078	19869000182	19869052963	19869053519	19869053709	19869054543	22319076830	23601001223	23601036021	23601087902	25715069642	28785050925	32252003073	32671000511	33332017072	35515098260
15630004997	16042001297	16784069463	16784070403	18029079032	19869000183	19869052964	19869053520	19869053710	19869054544	22319076990	23601001333	23601040350	23601088000	25715071091	28785050932	32252003074	32671000512	33332013101	35515098263
15630046089	16042001307	16784069473	16784070413	18029079044	19869000184	19869052965	19869053521	19869053711	19869054545	22383025896	23601001335	23601043010	23601088001	25715090703	28785050934	32252003075	32671000513	33332013102	35515099148
15630048601	16042001333	16784069483	16784070423	18029079046	19869000185	19869052966	19869053522	19869053712	19869054546	22383057131	23601002650	23601044010	23601088100	25715094991	28785050935	32252003076	32671000514	33332013103	35515099149
15630088275	16042001339	16784069493	16784070433	18029079061	19869000186	19869052967	19869053523	19869053713	19869054547	22600003002	23601002651	23601045010	23601088101	25715098000	28785050955	32252003077	32671000515	33332013102	35515099150
15630088311	16042001340	16784069503	16784070443	18029080004	19869000187	19869052968	19869053524	19869053816	19869054548	226000040512	23601005144	23601045011	23601088400	25866056494	28785050965	32252003081	32671000516	33332032001	35515099151
15630088380	16054000022	16784069513	16784070453	18029080019	19869000192	19869052969	19869053525	19869053817	19869054549	22600004076	23601005175	23601045050	23601088401	25866056504	28785050971	32252003086	32671000517	33332032002	35515099152
15630088435	16140002007	16784069523	16784070463	18029080020	19869000805	19869052970	19869053526	19869053818	19869054558	226000040812	23601007030	23601045280	23601088402	26704031825	28785050977	32252006577	32671000518	33332032101	35515099153
15630088436	16169060050	16784069533	16784070473	18029080022	19869050897	19869052971	19869053527	19869053819	19869054559	226000040912	23601007040	23601045290	23601088500	26704032389	28785060110	32252011410	32671000519	33332032102	35515099155
15630088437	16169070050	16784069543	16784070482	18029080030	19869052774	19869052972	19869053528	19869053821	19869054560	22600062031	23601007360	23601045300	23601088501	26704038758	28785060115	32252011440	32671000520	33332041710	35664000173
15630088438	16169080050	16784069553	16784070492	18029080090	19869052775	19869052973	19869053529	19869053822	19869054561	22600063432	23601007460	23601045310	23601088502	26704055130	28785060118	32252011518	32671000532	33332041711	35664000231
15630088439	16169090050	16784069563	16784070502	18029080091	19869052887	19869052974	19869053535	19869053823	19869054562	22600090054	23601007612	23601045320	23601089100	26704061313	28785060710	32252011548	32671000533	33332041810	35664000269
15630088440	16500054298	16784069573	16784070512	18029080093	19869052888	19869052975	19869053536	19869053824	19869054563	22600090125	23601007810	23601045330	23601089101	26704062654	28785060750	32252013010	32671000534	33332041811	35664000879
15630088441	16714002801	16784069583	16784070522	18029081032	19869052889	19869052976	19869053537	19869053825	19869054564	22600090127	23601008210	23601045340	23601089102	27437002401	28785060910	32252013580	32671000535	33332041910	35664001052
15630088442	16714002825	16784069593	16784070532	18029081046	19869052890	19869052977	19869053538	19869053826	19869054565	23185002241	23601008250	23601045350	23734001108	27437002601	28785060950	32252013680	32671000802	33332041911	35664001310
15630088443	16714098101	16784069603	16784070542	18029081047	19869052899	19869052978	19869053539	19869053849	19869054628	23185005605	23601008570	23601045360	23734002108	27437002601	28785060970	32252013780	32671000803	33332042010	35664001428
15630088500	16714098102	16784069613	16784070563	18029081054	19869052900	19869052979	19869053540	19869053850	19869054630	23185006103	23601009510	23601045378	23734005108	27437004301	28785060980	32252017250	32671000804	33332042011	35664001940
15630088861	16714099901	16784069623	16784070602	18029081055	19869052901	19869052980	19869053548	19869053851	19869054631	23185006093	23601009520	23601045380	23734011310	28400070017	28785061000	32252017260	32671000805	33332042110	35664002089
15630088862	16729014101	16784069633	16784070612	18029082117	19869052902	19869052981	19869053549	19869053852	19869054632	23185008150	23601009750	23601045390	23734011410	28465001212	28785061201	32252017270	32671000806	33332042111	35664010303
15630088863	16729014116	16784069643	16784070622	18029083010	19869052903	19869052982													

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																											
35664015001	36000001394	36000016178	36000019381	36000021912	36000037429	36000043362	36000051357	36000055033	36652030418	37000026003	37000050585	37000082752	383960000425	38396033070	38396044464	38415030021	38472036905	38472044316	38472058451								
35664015002	36000001400	36000016179	36000019468	36000022193	36000037430	36000043364	36000051358	36000055034	36800033102	37000026006	37000051308	37000082753	383960000056	38396034264	38396044564	38415030026	38472036906	38472044320	38472058452								
35664015003	36000001409	36000016184	36000019469	36000022077	36000037431	36000043365	36000051397	36000055083	36800033102	37000026008	37000060148	37000082754	383960000066	38396034364	38396044664	38415030028	38472037230	38472044321	38472058453								
35664015006	36000001850	36000016185	36000019477	36000022078	36000038529	36000043587	36000051412	36000055344	36800033109	37000026010	37000064113	37000082787	383960000706	38396034464	38396044764	38415030030	38472037231	38472044322	38472058454								
35664015011	36000001925	36000016186	36000019478	36000022079	36000038530	36000045122	36000051473	36000055345	36800033409	37000026221	37000064113	37000085926	38396030100	38396034564	38396044864	38415040028	38472037232	38472044323	38472058455								
35664015089	36000002095	36000016204	36000019483	36000022080	36000038531	36000045127	36000052010	36000055346	36800033410	37000026223	37000064156	37000085936	38396030102	38396035506	38396044902	38415040230	38472037233	38472044324	38472058456								
35664015090	36000002301	36000016256	36000019484	36000022081	36000038532	36000045130	36000052014	36000055380	36800033411	37000026224	37000064197	37000086210	38396030114	38396036606	38396044964	38415040232	38472037649	38472044325	38472058460								
35664015091	36000002700	36000016283	36000019529	36000022082	36000038533	36000045131	36000052015	36000055381	36800036740	37000026229	37000072827	37000086211	38396030118	38396040102	38396045064	38415040230	38472037650	38472044326	38472058461								
35664015109	36000002780	36000016285	36000019559	36000022083	36000038534	36000045132	36000052041	36000055382	36800036741	37000026230	37000072829	37000086212	38396030120	38396040108	38396045102	38415040240	38472037651	38472044330	38472058462								
35664015112	36000003000	36000016289	36000019564	36000022084	36000038535	36000045141	36000052048	36000055383	36800036742	37000026231	37000072830	37000086213	38396030125	38396040202	38396045164	38415040240	38472037652	38472044331	38472058463								
35664015122	36000003004	36000016290	36000019566	36000022085	36000038536	36000045142	36000052054	36000055384	36800036743	37000026242	37000072935	37000086224	38396030137	38396040208	38396045202	38415042501	38472037653	38472044332	38472058464								
35664015132	36000003010	36000016293	36000019568	36000022086	36000039815	36000045143	36000052057	36000055385	36800036744	37000026245	37000072936	37000086225	38396030140	38396040218	38396045302	38415042510	38472037654	38472044333	38472058465								
35664015134	36000003014	36000016367	36000019570	36000022087	36000040531	36000045150	36000052061	36000055386	36800036745	37000026246	37000072938	37000086226	38396030157	38396040302	38396045402	38415051001	38472037655	38472044334	38472058466								
35664015135	36000003021	36000016368	36000019575	36000022088	36000040532	36000045151	36000052093	36000055393	36800036746	37000026247	37000072939	37000086236	38396030175	38396040308	38396045532	38415051002	38472037656	38472044335	38472060020								
35664015203	36000003023	36000016371	36000019586	36000022120	36000040533	36000045801	36000052094	36000055394	36800040636	37000026249	37000072940	37000086259	38396030176	38396040318	38396047001	38415060001	38472039377	38472044336	38472060021								
35664015212	36000003028	36000016372	36000019598	36000022121	36000040534	36000045808	36000052095	36000055395	37000000310	37000026251	37000072978	37000086260	38396030191	38396040325	38396047002	38415060001	38472039378	38472044337	38472060022								
35664015215	36000003050	36000016373	36000019600	36000022300	36000040653	36000046753	36000052099	36000055396	37000000311	37000026257	37000072979	37000086261	38396030192	38396040408	38396047202	38472029000	38472039379	38472044338	38472060023								
35664015260	36000003120	36000016374	36000019601	36000022302	36000040656	36000046778	36000052109	36000055403	37000000312	37000026338	37000081038	37000086262	38396030200	38396040425	38396050101	38472031400	38472039380	38472044342	38472060024								
35664015271	36000003127	36000016386	36000019624	36000022303	36000040674	36000047478	36000052121	36000055404	37000000321	37000026483	37000081876	37000086268	38396030218	38396040508	38396050132	38472032200	38472039381	38472044343	38472060025								
35664015272	36000003202	36000016388	36000019640	36000022304	36000040685	36000047915	36000052122	36000055405	37000000322	37000026583	37000081880	37000086269	38396030220	38396040518	38396050175	38472032500	38472040650	38472044344	38472060026								
35664015402	36000003204	36000016389	36000019643	36000022309	36000040689	36000047919	36000052123	36000055406	37000000323	37000026584	37000081883	37000086270	38396030225	38396040525	38396050192	38472032800	38472040651	38472044345	38472060030								
35664015410	36000003206	36000016390	36000019696	36000022310	36000040695	36000047920	36000052124	36000055501	37000000325	37000026585	37000081884	37000086284	38396030240	38396040608	38396050232	38472035640	38472040652	38472044346	38472060031								
35664015481	36000003341	36000016790	36000019840	36000022311	36000040696	36000047926	36000052125	36000055502	37000000326	37000026586	37000081888	37000086342	38396030300	38396040618	38396050275	38472035641	38472040653	38472044900	38472060032								
35664017221	36000003347	36000016792	36000019906	36000022312	36000040704	36000047930	36000052126	36000055503	37000000327	37000026587	37000081889	37000086345	38396030318	38396040625	38396050332	38472035642	38472040679	38472044901	38472060033								
35664017222	36000003365	36000016793	36000021023	36000025809	36000040736	36000047932	36000052137	36000055506	37000000328	37000026590	37000081893	37000086358	38396030320	38396040708	38396050375	38472035643	38472040680	38472044902	38472060034								
35664017223	36000003800	36000016794	36000022104	36000025810	36000040741	36000047933	36000052138	36000055700	37000000334	37000027940	37000081894	37000086359	38396030325	38396040718	38396050432	38472035644	38472040681	38472044903	38472060035								
35664019229	36000003900	36000016814	36000022100	36000025813	36000040754	36000048758	36000052147	36000055701	37000000335	37000027941	37000081898	37000086360	38396030400	38396040725	38396051075	38472035645	38472040701	38472044904	38472060036								
35664019270	36000004001	36000016907	36000022101	36000025916	36000040764	36000049679	36000052173	36000055702	37000000337	37000027952	37000081899	37000086361	383960														

6/24/2025

6/24/2025 Milliman

6/24/2025 Milliman

6/24/2025

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																												
50002086033	50419042401	50428032937	50428043940	50428165902	50428489366	50486008257	50632000759	51079074920	51131020369	51144000580	51927922000	52569013645	53483000807	53885099425	55283079600	56151171301	57513000603	57515009545	57599033901									
50002086034	50428000769	50428033023	50428044193	50428176753	50428512509	50486008258	50632000760	51079092101	51131020370	51285020401	51927929900	52569013646	53483000814	54288124901	55283080000	56151172101	57513000604	57515009553	57599034001									
50002086035	50428001771	50428033343	50428044394	50428176758	50428535608	50486008259	50632000761	51079092120	51131020381	51285078603	51927948000	52569013647	53553000500	54569145000	55283080400	56151172201	57513000605	57515009562	57599034304									
50002086036	50428001772	50428033741	50428044445	50428186739	50428535872	50486008270	50632000762	51079092201	51131020391	51292000051	51927950200	52569013649	53553000502	54569158800	55283081100	56151172301	57513000606	57515009563	57599051201									
50002086037	50428002097	50428033826	50428044528	50428186748	50428536365	50486008271	50632001001	51079092220	51131020396	51407008051	51927980900	52569013778	53553000503	54569229400	55283084901	56151173101	57513000607	57515009565	57599080000									
50002086038	50428004449	50428033890	50428045393	50428193592	50428693861	50486008273	50632001301	51119000025	51131020401	51407008061	51927986100	52569013779	53553000505	54569250500	55283084903	56151173201	57513000608	57515009583	57599055011									
50002086039	50428005683	50428033963	50428044574	50428201913	50428694965	50486008274	50632003008	51131000014	51131020812	51407008065	51928136302	52569013881	53553000506	54569263000	55283084905	56151173301	57513000609	57515009585	57599055201									
50002086040	50428007741	50428034019	50428044582	50428203643	50428702514	50486008276	50716000524	51131000015	51131020814	51552034402	52181039103	52569013884	53599000019	54569387500	55283084907	56151195002	57513000610	57515017239	57599074501									
50002086041	50428008199	50428034176	50428044595	50428203644	50428708884	50486008284	50716000526	51131000016	51131020815	51552035001	52181039302	52747051501	53599000019	54569392700	55283084909	56151210001	57513000611	57515017319	57599080000									
50002086042	50428008592	50428034263	50428046109	50428207103	50428714508	50486008292	50716000544	51131000020	51131021000	51552035002	52181050812	52817060138	53599000107	54569405500	55283085000	56151210101	57513000612	57515017339	57599080300									
50002086043	50428025044	50428034355	50428046276	50428207686	50428715106	50486008296	50716000729	51131000021	51131021002	51552042601	52181051514	52982000600	53858000610	54569405600	55283085100	56151210201	57513000613	57515017359	57599089900									
50002086044	50428025183	50428034618	50428046378	50428207690	50428729759	50486008299	50803000218	51131000022	51131021140	51552063701	52308010602	52982000604	53858000611	54569411000	55283086501	56151210301	57513000614	57515017419	57599104104									
50002086045	50428025522	50428034714	50428046436	50428209995	50428741730	50486008321	50868002025	51131000023	51131021205	51552063703	52308010704	52982000615	53858000612	54569434400	55283086502	56151210401	57513000627	57515017439	57599104205									
50002086046	50428025526	50428034740	50428046735	50428210000	50428741738	50486008322	50924004301	51131001594	51131021509	51552105102	52308010806	53100000133	53858000613	54569481200	55520000107	56151211001	57513000628	57515017459	57599150201									
50002086047	50428025544	50428034744	50428046941	50428211344	50428790289	50486008323	50924007920	51131008295	51131021577	51552117901	52308011566	53100000318	53858000614	54569496900	55520000108	56151211101	57513000629	57515018218	57599157701									
50002086048	50428025609	50428034792	50428046962	50428211938	50428800231	50486008410	50924010310	51131008311	51131021657	51552117902	52308012598	53100044200	53885000810	54569497800	55520000109	56151211201	57513000630	57515018258	57599157904									
50002086049	50428025691	50428035064	50428047377	50428212266	50428800824	50486008411	50924010910	51131018143	51131021681	51552118601	52308012630	53303000018	53885001110	54569518700	55520000110	56151211301	57513000631	57515019219	57599157501									
50002086050	50428026012	50428035127	50428048361	50428212654	50428830473	50486008412	50924014510	51131019187	51131021817	51131026661	51709000729	52308013044	53303000019	53885004401	54569526900	55520000111	56151211401	57513000633	57515019259	57599103902								
50002086054	50428026075	50428035160	50428049095	50428212753	50428830476	50486008413	50924014630	51131019362	51131026592	51709000760	52308013103	53303000020	53885004501	54569531100	55520000112	561513000801	57513000634	57515019315	57599174102									
50003027100	50428026559	50428035248	50428049791	50428216515	50428830963	50486008415	50924015210	51131019398	51131026034	51774097590	52308013426	53303000021	53885004601	54569540800	55520000115	561513000802	57513000635	57515019335	57599147005									
50027049400	50428026608	50428035368	50428049917	50428217083	50428830970	50486009704	50924021807	51131019677	51131026206	51774097593	52308013435	53303000601	53885004610	54569548600	55520000116	561513000803	57513000636	57515019355	57599147102									
50027049401	50428026675	50428035385	50428051703	50428235157	50428834086	50486009705	50924024748	51131019773	51131026208	51862027101	52308020290	53303007010	53885004701	54569556700	55520000127	561513000805	57513000637	57515025110	57599144301									
50027049402	50428026679	50428035499	50428051790	50428235501	50428838681	50486009706	50924044601	51131019804	51131026413	51862027105	52308026318	53303007080	53885006150	54569557500	55520000128	561513000807	57513000638	57515025158	57599154204									
50027049403	50428026937	50428035622	50428838682	50428235502	50428838682	50632000700	50924045001	51131019805	51131026414	51862027201	52308040835	53303010101	538850013610	54569557800	55520000136	561513000808	57513000639	57515044000	57599156305									
50027049404	50428027051	50428036079	50428052685	50428241538	50428842938	50632000701	50924046706	51131019810	51131026415	51862027205	52308040905	53303014040	53885013920	54569562900	55520000150	561513000809	57513000640	57515044001	575991832801									
50027049405	50428027053	50428036138	50428053253	50428242743	50428842939	50632000702	50924047701	51131019815	51131026419	51862027301	52308042039	53303014060	53885014020	54569563000	55520000151	561513000810	57513000641	57515063000	57599833501									
50027049406	50428027356	50428036307	50428053560	50428251591	50428846387	50632000703	50924050401	51131019822	51131026420	51862027305	52308042049	53303014220	53885014110	54569568701	55520000152	561513000811	57513000645	57515063001	57599833601									
50027049407	50428027470	50428036351	50428054144	50428258150	50428846388	50632000704	50924051310	51131019823	51131026421	51862027401	52308042202																	

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																			
576290000420	58160097606	59519000222	60687042601	63323000130	65702071110	65781310610	67457038158	68455010186	68455010328	68455010422	68455010575	68455010656	68455011170	68455011488	68702062718	69809013005	70074054234	70074055661	70319002190
576290000421	58160097620	59627000403	60687042611	63323000131	65702071210	65781318110	67457040913	68455010187	68455010329	68455010423	68455010576	68455010657	68455011171	68455011489	68702062900	69809013505	70074054235	70074055663	70319002192
57664021188	58284010014	59676058005	60687054801	63323011102	65702071310	65781324010	67457040103	68455010188	68455010330	68455010425	68455010580	68455010658	68455011172	68455011535	68702063200	69837021002	70074054330	70074055665	70319002195
57664021188	58790000045	59676058015	60687054801	63323021003	65702071910	65781339610	67457088700	68455010189	68455010331	68455010433	68455010581	68455010659	68455011173	68455011572	68702063201	69938015111	70074054331	70074055667	70319002305
57664034588	58869011105	59707000100	60913000011	63323027205	65702072310	65781410610	67457088701	68455010190	68455010332	68455010434	68455010582	68455010660	68455011177	68455011717	68702063202	69967000201	70074054546	70074055669	70319002306
57664034713	59009000040	59707000101	60913000021	63323041003	65702072910	65781418110	67457088799	68455010191	68455010333	68455010437	68455010583	68455010661	68455011180	68455011733	68702063203	70000001120	70074054547	70074055671	70319002307
57664034788	59009000041	59707000102	60913000031	63323046901	65702073110	65781418210	67777012113	68455010192	68455010334	68455010438	68455010584	68455010662	68455011183	68455011812	68702063501	70030012854	70074054548	70074055673	70319002314
57825000001	59009000042	59707000103	60913000061	63323046905	65757030001	65781424010	67777012114	68455010194	68455010335	68455010439	68455010585	68455010663	68455011185	68455011825	68702063601	70030012855	70074054549	70074055675	70319002603
57845000601	59009000043	59707000104	60913000072	63323047101	65757040101	65781439602	67777012116	68455010195	68455010336	68455010440	68455010586	68455010664	68455011188	68455012391	68702063800	70030012856	70074054550	70074055677	70319002604
57879000308	59009000044	59707000105	60913000081	63323047105	65757040103	65781500610	68016016201	68455010196	68455010337	68455010441	68455010587	68455010665	68455011189	68455012392	68702064001	70030013488	70074054551	70074055679	70319002605
57879000361	59009000045	59707000106	60913000092	63323047141	65757040201	65781518210	68016023400	68455010197	68455010338	68455010442	68455010588	68455010666	68455011191	68455012393	68702064602	70030013489	70074054552	70074055681	70319002606
57879000362	59009000046	59707000107	60913001702	63323051102	65757040203	65781524010	68016023700	68455010198	68455010339	68455010443	68455010589	68455010671	68455011194	68455012394	68702064603	70030051167	70074054553	70074055683	70319002607
57950000600	59009000047	59707000108	60913001802	63323051103	65757040301	65781618210	68016029728	68455010199	68455010340	68455010444	68455010590	68455010689	68455011195	68455012395	68702066100	70030062392	70074054736	70074055685	70319002620
58160081001	59009000048	59707000110	61058002582	63323090390	65757040303	65781718210	68016030554	68455010200	68455010341	68455010445	68455010591	68455010690	68455011198	68455012396	68702066150	70030062393	70074054737	70074055687	70319002624
58160081011	59009000049	59707000112	61058002591	63323090490	65757040401	65781718310	68016030728	68455010201	68455010342	68455010446	68455010592	68455010694	68455011199	68455012397	68702067200	70030062394	70074054738	70074055689	70319002627
58160081043	59009000049	59707000119	61058025307	63323090590	65757040403	65781818210	68016031000	68455010202	68455010343	68455010447	68455010593	68455010695	68455011202	68455012398	68702067250	70069003003	70074054739	70074055691	70319002628
58160081052	59009000042	59707000120	61058025314	63323090690	65757050003	65781818410	68016073800	68455010203	68455010344	68455010448	68455010594	68455010696	68455011203	68455012692	68702067300	70069003105	70074054833	70074055693	70319002629
58160081143	59009000043	59707000125	61058025352	63323090790	65781006010	65845000180	68016073854	68455010204	68455010345	68455010449	68455010595	68455010702	68455011206	68455012758	68702067320	70069038110	70074054835	70074055695	70319002634
58160081152	59009000044	59707000130	61058025382	63323090890	65781005210	65862084401	68016090728	68455010205	68455010346	68455010450	68455010596	68455010703	68455011207	68455012759	68702067330	70069038310	70074054837	70074055697	70319002635
58160081201	59009000045	59707000150	61058025443	63323090991	65781009050	65862084501	68071133904	68455010206	68455010347	68455010451	68455010597	68455010707	68455011208	68455012760	68702067340	70069038405	70074054839	70074055699	70319002640
58160081211	59009000046	59707000152	61058602833	63347017001	65781009060	65862084601	68093000735	68455010207	68455010348	68455010452	68455010598	68455010708	68455011209	68455013017	68702067350	70074000083	70074054841	70074055701	70319002650
58160081243	59009000047	59707000155	61058602834	63361024310	65781009070	65862084605	68093000745	68455010208	68455010349	68455010453	68455010599	68455010709	68455011210	68455013024	68702067401	70074000152	70074054843	70074055703	70319002659
58160081252	59009000040	59707000156	61058602835	63361024315	65781009080	65862084701	68093000746	68455010209	68455010350	68455010454	68455010600	68455010710	68455011211	68455013025	68702067501	70074000153	70074054972	70074055705	70319002671
58160081505	59009000041	59707000165	61058602839	63361024358	65781012410	65973001412	68093000747	68455010210	68455010351	68455010477	68455010601	68455010711	68455011212	68455013319	68702067720	70074000154	70074054976	70074055707	70319002677
58160081534	59009000042	59707000166	61058602840	63361024388	65781014201	66004005501	68093000748	68455010211	68455010352	68455010482	68455010602	68455010712	68455011213	68455013320	68702067740	70074000155	70074055041	70074055710	70319002677
58160081543	59009000043	59707000170	61058602841	63517060001	65781014211	66004001204	68093000743	68455010212	68455010353	68455010483	68455010603	68455010713	68455011214	68455013917	68702067750	70074000156	70074055238	70074055712	70319002679
58160081552	59088076890	59707000171	61121000006	63629235901	65781014221	66004012205	68093000749	68455010213	68455010354	68455010484	68455010604	68455010714	68455011215	68598957710	68702067828	70074000159	70074055260	70074055714	70319002681
58160081811	59148001870	59707000172	61121000008	63629236001	65781014241	66004084718	68093000751	68455010214	68455010355	68455010485	68455010605	68455010715	68455011216	68598957810	68702067829	70074000227	70074055278	70074055716	70319002682
58160081912	59148001871	59762453701	61121000009	63629236101	65781014251	66004085004	68093007732	68455010215	68455010356	68455010487	68455010606	68455010716	68455011217	68702000350	68702067834	70074000228	70074055280	70074055718	70319002684
58160082043	59148001970	59762453702	61787044001	63629236201	65781014301	66004085105	68113011401	68455010216	68455010357	68455010488	68455010607	68455010717	68455011218	68702000352	68702067835	70074040086	70074055282	70074055720	70319002685
58160082052	59148001971	59762453802	61924025144	63736095202	65781014311	66004097309	68113099601	68455010217	68455010358	6845501048									

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																											
70319003106	70461000201	70914003901	72217003902	73796026635	74676060111	76300031221	76300070501	76420070601	78742014625	80777027310	81131031171	82607053932	83490044080	84521001701	84521015678	84527000681	86227002110	86227099005	87701040366								
70319003111	70461000211	70914004000	72217004001	73796026652	74676060121	76300031222	76300070601	76420070725	78742023460	80777027315	81131031172	82607054105	83490044081	84521001701	84521015685	84527001501	86227002210	86227099015	87701040367								
70319003201	70461001803	70914004001	72217004002	73796026710	74676060131	76300031512	76300070701	76420070920	78742023461	80777027398	81131031173	82607054106	83490044082	84521001893	84521015692	84527001502	86227003011	86227099025	87701040368								
70319003209	70461001804	70914004200	72217004003	73796026725	74676060141	76300031612	76300071511	76620070925	78742025657	80777027399	81131031174	82607055611	83490044083	84521001923	84521015708	84527001503	86227010105	86227099035	87701040376								
70319003210	70461001903	71399202002	72217004004	73796026735	74676061011	76300031712	76300071512	76660004065	78742025659	81131000251	81131031175	82607055612	83490044084	84521002064	84521015715	84527002250	86227010115	86227099040	87701040377								
70319003211	70461001904	71399202201	72217004005	73796026742	74676061539	76300031812	76300071513	76660000866	78742025661	81131001544	81131031176	82607055613	83490051001	84521002132	84521015722	84527002252	86227012105	86227099055	87701040381								
70319003212	70461002003	71399202003	72217004006	73796026745	74676061549	76300032012	76300071514	76660003002	78742025663	81131001556	81131031177	82607055614	83490051002	84521002156	84521015739	84527002253	86227012155	86227099105	87701040436								
70319003213	70461002004	71399202003	72217004007	73796026760	74676061569	76300032112	76300072211	76660074064	78742025665	81131002313	81131031178	82607055615	83490051003	84521002207	84521016687	84527002254	86227012205	86227099115	87701040463								
70319003214	70461012002	71399968601	72217004008	73796026761	74676062011	76300032412	76300072212	76855070071	78742025767	81131002445	81131031179	82607055622	83490051023	84521002460	84521016693	8538005264	86227012605	86227099125	87701040505								
70319003220	70461012003	71483013004	72217004009	73796026785	74676062021	76300032512	76300072213	77890012583	78742025769	81131002449	81131038679	82607055625	83490051035	84521002692	84521016698	85467010190	86227013055	86679041536	87701040506								
70319003221	70461012004	71483013005	72217004010	73796026786	74676062111	76300032610	76300072214	77890012596	78742025770	81131002642	81131038680	82607055631	83490051037	84521002695	84521016709	85467010420	86227013085	86679041537	87701040507								
70319003222	70461012010	71483013006	72217004011	73796027104	74676062351	76300033210	76300072215	77890012597	78742025771	81131002643	81131038681	82607055715	83490051039	84521002736	84521019928	85467010500	86227018015	86679041538	87701040508								
70319003223	70461012011	71483014002	72217004012	73796027424	74676062712	76300033652	76300072216	77890016853	78742025772	81131002644	81131066523	82607055716	83490067802	84521004181	84521019935	85467010670	86227018155	86679041539	87701040509								
70319003229	70461012012	71483014003	72217004013	73796027604	74676063150	76300033662	76300072217	77890016862	78742025773	81131002709	81131066524	82607055729	83490067805	84521005848	84521023970	85467010690	86227018525	86679041540	87701040510								
70319003230	70461012103	71483014007	72217004014	73796027854	74676063370	76300033681	76300072218	77890016867	78742025774	81131002710	81131037135	82607055732	83490067822	84521005855	84521023987	85467010940	86227019015	86679041541	87701040519								
70319003231	70461012104	71483014008	72217004015	73796030263	74676063410	76300033691	76300072219	77890016879	78742025775	81131002716	81131037697	82607055811	83490078006	84521005856	84521023994	85467013022	86227021015	86679041542	87701040520								
70319003232	70461020101	71483014009	72275015104	73796032102	74676064111	76300037010	76300072220	77890016891	78742026442	81131002717	81131086480	82607055812	83490078012	84521005872	84521024007	85467013024	86227021155	86679041543	87701040574								
70319003233	70461020111	71483014020	72287041504	73796033026	74676064130	76300037110	76300072231	77890016900	78742033365	81131003414	81131086487	82607055813	83490078013	84521005891	84521024014	85467013162	86227021685	86679041544	87701040584								
70319003234	70461030110	71483014138	72380000000	73796033031	74676064140	76300037205	76300072312	77890016903	78742039269	81131003415	81131086488	82607055814	83490080507	84521005893	84521024479	85467013164	86227021755	86679041545	87701040655								
70319003240	70461030112	71483014148	72380000001	73796033514	74676064311	76300037310	76300072313	77890016906	78742039281	81131003416	81131086502	82607055815	83490080531	84521005933	84521024489	85467013192	86227022015	86679041546	87701040656								
70319003241	70461031803	71483014158	723800018303	73796039000	74676064321	76300037405	76300072314	77890016907	79573000916	81131003417	81131086503	82891021005	83490080601	84521005934	84521024496	85467013194	86227022155	86679041547	87701040682								
70319003242	70461031804	71691076226	72678000101	73796039150	74676064411	76300037710	76300072315	77890016909	79573001115	81131004088	81131086506	82891021010	83490080606	84521006439	84521024502	85467024020	86227023015	86679041548	87701040708								
70319003665	70461031903	71850182601	72678000501	73796041203	74676064551	76300037810	76300072316	77890016912	79573010003	81131004089	81131086538	82891021050	83490080608	84521006496	84521024516	85467024100	86227023155	86679041549	87701040888								
70319003666	70461031904	71850102070	72678000601	73796041205	74676064631	76300037905	76300072317	77890016915	79573010004	81131005540	81131086539	82891021054	83490080609	84521006525	84521024526	85467024160	86227025015	86679041550	87701041088								
70319020693	70461032003	71240009184	72721172505	73796045100	74676065030	76300038005	76300072318	77890016918	79573010021	81131005541	81131086540	82891021055	83490080611	84521006645	84521024533	85467024197	86227025155	86679041551	87701041298								
70319020716	70461032004	71240009185	72721175005	73796045122	74676065111	76300038110	76300072319	77890016919	79573010198	81131005542	81131086604	82891037200	83490080617	84521006870	84521024540	85467024350	86227025585	86679041552	87701041301								
70319020778	70461032103	71240009186	72721176005	73796045318	74676065181	76300038210	76300072320	77890016921	79573010293	81131005545	81131097214	82891038801	83490080619	84521006871	84521024557	85467024500	86227027055	86876009944	87701042616								
70319021232	70461032104	71240009189	72721177005	73796045325	74676065270	76300038310	76300072325	77890016924	79573010294	81131005578	81131097215	82903028610	834900806														

Exhibit 18C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																												
89126100101	89152028905	89152640201	90017057800	90891012709	90891024646	90891070614	91237000149	92293005999	92293011235	92293070110	92896000008	94030000234	94542051150	96295012084	96295013445	98302000187	98939000021											
89126100201	89152029005	89152640401	90107098200	90891012713	90891024647	90891080000	91237000150	92293006000	92293011240	92293070118	92896000009	94030000235	94542085100	96295012085	96295013446	98302000190	98939000024											
89126100301	89152029305	89152728705	90107098285	90891012717	90891024648	90891090024	91237000151	92293006001	92293011245	92293070172	93169000206	94030000237	94542085200	96295012086	96295013447	98302000191	98939000025											
89126100401	89152029405	89152728805	90124000001	90891012718	90891024649	90891090025	91237000152	92293006002	92293011430	92293070180	93169000207	94030000238	94542085300	96295012087	96295013448	98302000192	98939000026											
89126100501	89152029601	89152743501	90124000005	90891012719	90891024650	90891090026	91237000153	92293006003	92293011435	92293070181	93169000226	94030000240	94922020133	96295012088	96295013450	98302000193	98939000027											
89126100601	89152056305	89152744401	90166001334	90891012720	90891024651	90891090027	91237000154	92293006004	92293011440	92293070180	93169000233	94030000241	94922020134	96295012112	96295013451	98302000194	98939000028											
89126100701	89152072705	89152752605	90166005015	90891012804	90891024652	90891090028	91237000159	92293006005	92293012230	92293070181	93169000234	94030000242	94922068293	96295012113	96295013452	98302000198	98939000026											
89126100801	89152088501	89155100201	90166005035	90891012819	90891024657	90891094552	91237000160	92293006006	92293012235	92293077180	93169000235	94030000268	94922068294	96295012114	96295013453	98302000199	98939000027											
89126103525	89152088601	89155100401	90166005055	90891012824	90891024658	90891094553	91237000161	92293006007	92293012240	92293077181	93169000236	94030000269	95384000214	96295012115	96295013537	98302000200	98939000029											
89126114010	89152089701	89155100601	90166005615	90891013050	90891024659	90891094578	91237000163	92293006009	92293012253	92293077320	93169000247	94030000270	96121000267	96295012127	96295013538	98302001407	98939000023											
89126133525	89152089801	89155100801	90166005635	90891013077	90891024660	90891094579	91237000164	92293006010	92293012254	92293077321	93169000253	94030000271	96295004728	96295012151	96295013726	98302001420	98939000033											
89128000101	89152139005	89155101001	90166005655	90891013080	90891024661	90891094580	91237000165	92293006012	92293012255	92293094399	93169000254	94030000272	96295010253	96295012154	96295013727	98302001421	98939000034											
89128000201	89152168005	89155110201	90166010205	90891013100	90891024662	90891094602	91237000167	92293006013	92293012430	92293094400	93169000255	94030000279	96295010254	96295012159	96295013728	98302001422	98939000035											
89128010001	89152168105	89155110401	90166011103	90891013150	90891024663	90891094603	91237000168	92293006014	92293012435	92293094401	93169000256	94030000280	96295010256	96295012184	96295013729	98302001424	98939000036											
89128015001	89152168205	89155110601	90166012102	90891013151	90891024664	90891094604	91237000170	92293006016	92293012440	92293097610	93169000263	94030000281	96295010282	96295012187	96295013730	98302001430	98939000037											
89129010001	89152168305	89155110801	90166012122	90891013155	90891024665	90891094605	91237000171	92293006017	92293012453	92293097611	93169000280	94030000282	96295010283	96295012206	96295013734	98302001431	98939000038											
89129010002	89152172805	89155111001	90166012505	90891013158	90891024666	90891094606	91237000172	92293006018	92293012454	92293097630	93169000298	94030000283	96295010284	96295012207	96295013738	98302001432	98939000040											
89134050202	89152172905	89155200201	90166012804	90891013200	90891024667	90891094607	91237000173	92293006019	92293012455	92293097631	93169000299	94030000286	96295010286	96295012208	96295013739	98302001433	98939000041											
89134050302	89152254105	89155200401	90166013004	90891016000	90891024808	90891094704	91237000174	92293006020	92293020120	92293098009	93573090011	94030000287	96295010287	96295012209	96295013849	98302001434	98939000042											
89134052602	89152281705	89155200601	90166013505	90891016111	90891024820	90891094705	91237000175	92293006022	92293020125	92293098010	93764000100	94030000291	96295010288	96295012210	96295013863	98302001435	98939000044											
89134052702	89152281805	89155200801	90166013645	90891016112	90891024821	90891094706	91237000176	92293006060	92293020130	92293098016	93764000200	94030000292	96295010313	96295012211	96295013873	98302001480	98939000045											
89134052802	89152281905	89155201001	90166015615	90891016113	90891024822	90891094760	91237000177	92293006061	92293020135	92293098018	93764001069	94030000294	96295010470	96295012300	96295013874	98302001511	98939000058											
89134052902	89152282005	89155210201	90166015635	90891016115	90891024823	90891094761	91237000178	92293006085	92293020140	92293098026	93764001154	94030000100	96295010625	96295012301	96295013875	98302001391	98939000059											
89134061802	89152282105	89155210401	90166015655	90891016117	90891025800	90891094762	91237000182	92293006300	92293020120	92293098032	93764001467	94030000101	96295010676	96295012302	96295013876	98302001392	98939000060											
89134062002	89152282205	89155210601	90166020205	90891018416	90891025801	90891095084	91237000184	92293006301	92293021125	92293099010	93764010101	94030000102	96295010831	96295012329	96295013877	98302001393	98939000061											
89134062202	89152282305	89155210801	90166022203	90891019001	90891025802	90891095085	91237000185	92293006342	92293020130	92293099016	93764010105	94030000103	96295010931	96295012336	96295013930	98302001393	98939000076											
89134062501	89152282405	89155211001	90166023645	90891019003	90891025808	90891095086	91237000187	92293006343	92293020135	92293099026	93764020201	94030000104	96295011057	96295012337	96295013931	98302001393	98939000081											
89134062601	89152282505	89155300001	90166025635	90891019004	90891025810	90891095087	91237000188	92293006344	92293021140	92293099032	93764020205	94030000105	96295011125	96295012432	96295013961	98302001393	99073011001											
89134063002	89152282605	89155310001	90166030305	90891019005	90891026415	90891095088	91237000189	92293006345	92293022130	92293099044	93764022767	94030000106	96295011126	96295012446	96295038687	98302001394	99073011003											
89134063102	89152282705	89155400001	90166031645	90891019006	90891																							

Exhibit 19 Mississippi Division of Medicaid AMP Cap Drug Price Reduction by Product				
Insulin Drugs				
Product Name	NDC	Manufacturer	Assumed Price Reduction	Effective Date
Apidra Injection Solution 100 UNIT/ML	00088250033	SANOFI-AVENTIS U.S.	Price Reduced by 70%	1/1/2024
Apidra SoloStar Subcutaneous Solution Pen-injector 100 UNIT/ML	00088250205	SANOFI-AVENTIS U.S.	Price Reduced by 70%	1/1/2024
HumaLOG Injection Solution 100 UNIT/ML	00002751001	LILLY	Price Reduced by 76%	4Q2023
HumaLOG Junior KwikPen Subcutaneous Solution Pen-injector 100 UNIT/ML	00002771459	LILLY	Price Reduced by 70%	4Q2023
HumaLOG Junior KwikPen Subcutaneous Solution Pen-injector 100 UNIT/ML	00002771401	LILLY	Price Reduced by 70%	4Q2023
HumaLOG KwikPen Subcutaneous Solution Pen-injector 100 UNIT/ML	00002879959	LILLY	Price Reduced by 70%	4Q2023
HumaLOG KwikPen Subcutaneous Solution Pen-injector 100 UNIT/ML	00002879901	LILLY	Price Reduced by 70%	4Q2023
HumaLOG Mix 50/50 Subcutaneous Suspension (50-50) 100 UNIT/ML	00002751201	LILLY	Price Reduced by 70%	4Q2023
HumaLOG Mix 75/25 KwikPen Subcutaneous Suspension Pen-injector (75-25) 100 UNIT/ML	00002879759	LILLY	Price Reduced by 70%	4Q2023
HumaLOG Mix 75/25 KwikPen Subcutaneous Suspension Pen-injector (75-25) 100 UNIT/ML	00002879701	LILLY	Price Reduced by 70%	4Q2023
HumaLOG Mix 75/25 Subcutaneous Suspension (75-25) 100 UNIT/ML	00002751101	LILLY	Price Reduced by 70%	4Q2023
HumaLOG Subcutaneous Solution Cartridge 100 UNIT/ML	00002751659	LILLY	Price Reduced by 70%	4Q2023
HumuLIN 70/30 KwikPen Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	00002880359	LILLY	Price Reduced by 70%	4Q2023
HumuLIN 70/30 KwikPen Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	00002880301	LILLY	Price Reduced by 70%	4Q2023
HumuLIN 70/30 Subcutaneous Suspension (70-30) 100 UNIT/ML	00002871501	LILLY	Price Reduced by 70%	4Q2023
HumuLIN 70/30 Subcutaneous Suspension (70-30) 100 UNIT/ML	00002871517	LILLY	Price Reduced by 70%	4Q2023
HumuLIN N KwikPen Subcutaneous Suspension Pen-injector 100 UNIT/ML	00002880559	LILLY	Price Reduced by 70%	4Q2023
HumuLIN N Subcutaneous Suspension 100 UNIT/ML	00002831501	LILLY	Price Reduced by 70%	4Q2023
HumuLIN R Injection Solution 100 UNIT/ML	00002821501	LILLY	Price Reduced by 70%	4Q2023
Insulin Asp Prot & Asp FlexPen Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	73070020315	NOVO NORDISK PHARMA	Price Reduced by 50%	1/1/2024
Insulin Aspart FlexPen Subcutaneous Solution Pen-injector 100 UNIT/ML	73070010310	NOVO NORDISK PHARMA	Price Reduced by 50%	1/1/2024
Insulin Aspart FlexPen Subcutaneous Solution Pen-injector 100 UNIT/ML	73070010315	NOVO NORDISK PHARMA	Price Reduced by 50%	1/1/2024
Insulin Aspart Injection Solution 100 UNIT/ML	73070010011	NOVO NORDISK PHARMA	Price Reduced by 50%	1/1/2024
Insulin Aspart PenFill Subcutaneous Solution Cartridge 100 UNIT/ML	73070010215	NOVO NORDISK PHARMA	Price Reduced by 50%	1/1/2024
Insulin Aspart Prot & Aspart Subcutaneous Suspension (70-30) 100 UNIT/ML	73070020011	NOVO NORDISK PHARMA	Price Reduced by 52%	1/1/2024
Insulin Lispro Injection Solution 100 UNIT/ML	66733077301	LILLY	Price Reduced by 70%	5/1/2023
Insulin Lispro Injection Solution 100 UNIT/ML	00002773701	LILLY	Price Reduced by 70%	5/1/2023
Lantus SoloStar Subcutaneous Solution Pen-injector 100 UNIT/ML	00088221901	SANOFI-AVENTIS U.S.	Price Reduced by 78%	1/1/2024
Lantus SoloStar Subcutaneous Solution Pen-injector 100 UNIT/ML	00088221905	SANOFI-AVENTIS U.S.	Price Reduced by 78%	1/1/2024
Lantus Subcutaneous Solution 100 UNIT/ML	00088222033	SANOFI-AVENTIS U.S.	Price Reduced by 78%	1/1/2024
Levemir FlexTouch Subcutaneous Solution Pen-injector 100 UNIT/ML	00169643810	NOVO NORDISK	Price Reduced by 65%	1/1/2024
Levemir Subcutaneous Solution 100 UNIT/ML	00169368712	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN 70/30 FlexPen Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	00169300725	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN 70/30 FlexPen Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	00169300715	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN 70/30 ReliOn Subcutaneous Suspension (70-30) 100 UNIT/ML	00169183702	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN 70/30 Subcutaneous Suspension (70-30) 100 UNIT/ML	00169183711	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN N FlexPen ReliOn Subcutaneous Suspension Pen-injector 100 UNIT/ML	00169300425	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN N FlexPen Subcutaneous Suspension Pen-injector 100 UNIT/ML	00169300415	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN N ReliOn Subcutaneous Suspension 100 UNIT/ML	00169183402	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN N Subcutaneous Suspension 100 UNIT/ML	00169183411	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN R FlexPen Injection Solution Pen-injector 100 UNIT/ML	00169300315	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN R FlexPen ReliOn Injection Solution Pen-injector 100 UNIT/ML	00169300325	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN R Injection Solution 100 UNIT/ML	00169183311	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLIN R ReliOn Injection Solution 100 UNIT/ML	00169183302	NOVO NORDISK	Price Reduced by 65%	1/1/2024
NovoLOG 70/30 FlexPen ReliOn Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	00169220125	NOVO NORDISK	Price Reduced by 75%	1/1/2024
NovoLOG FlexPen ReliOn Subcutaneous Solution Pen-injector 100 UNIT/ML	00169210125	NOVO NORDISK	Price Reduced by 75%	1/1/2024
NovoLOG FlexPen Subcutaneous Solution Pen-injector 100 UNIT/ML	00169633910	NOVO NORDISK	Price Reduced by 75%	1/1/2024
NovoLOG Injection Solution 100 UNIT/ML	00169750111	NOVO NORDISK	Price Reduced by 75%	1/1/2024
NovoLOG Mix 70/30 FlexPen Subcutaneous Suspension Pen-injector (70-30) 100 UNIT/ML	00169369619	NOVO NORDISK	Price Reduced by 75%	1/1/2024
NovoLOG Mix 70/30 ReliOn Subcutaneous Suspension (70-30) 100 UNIT/ML	00169220011	NOVO NORDISK	Price Reduced by 76%	1/1/2024
NovoLOG Mix 70/30 Subcutaneous Suspension (70-30) 100 UNIT/ML	00169368512	NOVO NORDISK	Price Reduced by 76%	1/1/2024
NovoLOG PenFill Subcutaneous Solution Cartridge 100 UNIT/ML	00169330312	NOVO NORDISK	Price Reduced by 75%	1/1/2024
NovoLOG ReliOn Injection Solution 100 UNIT/ML	00169210011	NOVO NORDISK	Price Reduced by 75%	1/1/2024
Victoza Subcutaneous Solution Pen-injector 18 MG/3ML	00169406013	NOVO NORDISK	Price Reduced by 27%	1/1/2024
Victoza Subcutaneous Solution Pen-injector 18 MG/3ML	00169406012	NOVO NORDISK	Price Reduced by 27%	1/1/2024
Inhaler Drugs				
Product Name	NDC	Manufacturer	Price Reduction	Effective Date
Advair Diskus Inhalation Aerosol Powder Breath Activated 100-50 MCG/ACT	00173069500	GLAXO SMITH KLINE	Price Reduced by 51%	1/1/2024
Advair Diskus Inhalation Aerosol Powder Breath Activated 100-50 MCG/ACT	00173069504	GLAXO SMITH KLINE	Price Reduced by 70%	1/1/2024
Advair Diskus Inhalation Aerosol Powder Breath Activated 250-50 MCG/ACT	00173069600	GLAXO SMITH KLINE	Price Reduced by 50%	1/1/2024
Advair Diskus Inhalation Aerosol Powder Breath Activated 250-50 MCG/ACT	00173069604	GLAXO SMITH KLINE	Price Reduced by 70%	1/1/2024
Advair Diskus Inhalation Aerosol Powder Breath Activated 500-50 MCG/ACT	00173069700	GLAXO SMITH KLINE	Price Reduced by 49%	1/1/2024
Advair Diskus Inhalation Aerosol Powder Breath Activated 500-50 MCG/ACT	00173069704	GLAXO SMITH KLINE	Price Reduced by 70%	1/1/2024
Advair HFA Inhalation Aerosol 115-21 MCG/ACT	00173071620	GLAXO SMITH KLINE	Price Reduced by 21%	1/1/2024
Advair HFA Inhalation Aerosol 115-21 MCG/ACT	00173071622	GLAXO SMITH KLINE	Price Reduced by 29%	1/1/2024
Advair HFA Inhalation Aerosol 230-21 MCG/ACT	00173071720	GLAXO SMITH KLINE	Price Reduced by 18%	1/1/2024
Advair HFA Inhalation Aerosol 230-21 MCG/ACT	00173071722	GLAXO SMITH KLINE	Price Reduced by 21%	1/1/2024
Advair HFA Inhalation Aerosol 45-21 MCG/ACT	00173071522	GLAXO SMITH KLINE	Price Reduced by 23%	1/1/2024
Advair HFA Inhalation Aerosol 45-21 MCG/ACT	00173071520	GLAXO SMITH KLINE	Price Reduced by 23%	1/1/2024
Asmanex (30 Metered Doses) Inhalation Aerosol Powder Breath Activated 220 MCG/ACT	78206011404	ORGANON	Price Reduced by 50%	1/2/2024
Asmanex (60 Metered Doses) Inhalation Aerosol Powder Breath Activated 220 MCG/ACT	78206011402	ORGANON	Price Reduced by 50%	1/2/2024
Symbicort Inhalation Aerosol 160-4.5 MCG/ACT	00186037028	ASTRAZENECA LP	Price Reduced by 40%	1/1/2024
Symbicort Inhalation Aerosol 160-4.5 MCG/ACT	00186037020	ASTRAZENECA LP	Price Reduced by 40%	1/1/2024
Symbicort Inhalation Aerosol 80-4.5 MCG/ACT	00186037228	ASTRAZENECA LP	Price Reduced by 40%	1/1/2024
Symbicort Inhalation Aerosol 80-4.5 MCG/ACT	00186037220	ASTRAZENECA LP	Price Reduced by 40%	1/1/2024
Other Drugs				
Product Name	NDC	Manufacturer	Price Reduction	Effective Date
Butrans Transdermal Patch Weekly 10 MCG/HR	59011075104	PURDUE PHARMA L.P.	Price Reduced by 42%	1/1/2024
Butrans Transdermal Patch Weekly 15 MCG/HR	59011075804	PURDUE PHARMA L.P.	Price Reduced by 33%	1/1/2024
Butrans Transdermal Patch Weekly 20 MCG/HR	59011075204	PURDUE PHARMA L.P.	Price Reduced by 42%	1/1/2024
Butrans Transdermal Patch Weekly 5 MCG/HR	59011075004	PURDUE PHARMA L.P.	Price Reduced by 43%	1/1/2024
Butrans Transdermal Patch Weekly 7.5 MCG/HR	59011075704	PURDUE PHARMA L.P.	Price Reduced by 42%	1/1/2024
Cytomel Oral Tablet 5 MCG	60793011501	PFIZER U.S.	Price Reduced by 81%	12/1/2023
Daytrana Transdermal Patch 10 MG/9HR	68968555203	NOVEN THERAPEUTICS	Price Reduced by 61%	12/1/2023
Daytrana Transdermal Patch 15 MG/9HR	68968555303	NOVEN THERAPEUTICS	Price Reduced by 61%	12/1/2023
Daytrana Transdermal Patch 20 MG/9HR	68968555403	NOVEN THERAPEUTICS	Price Reduced by 61%	12/1/2023
Daytrana Transdermal Patch 30 MG/9HR	68968555503	NOVEN THERAPEUTICS	Price Reduced by 61%	12/1/2023
Hemabate Intramuscular Solution 250 MCG/ML	00009085608	PFIZER U.S.	Price Reduced by 61%	10/1/2023
Hemabate Intramuscular Solution 250 MCG/ML	00009085605	PFIZER U.S.	Price Reduced by 61%	10/1/2023
Heparin Sodium (Porcine) Injection Solution Prefilled Syringe 5000 UNIT/0.5ML	63323011805	FRESENIUS KABI USA	Price Reduced by 46%	12/1/2023
LaMictal Oral Tablet 100 MG	00173064255	GLAXO SMITH KLINE	Price Reduced by 39%	1/1/2024
LaMictal Oral Tablet 150 MG	00173064360	GLAXO SMITH KLINE	Price Reduced by 41%	1/1/2024
LaMictal Oral Tablet 200 MG	00173064460	GLAXO SMITH KLINE	Price Reduced by 44%	1/1/2024
LaMictal Oral Tablet Chewable 25 MG	00173052700	GLAXO SMITH KLINE	Price Reduced by 31%	1/1/2024
Pradaxa Oral Capsule 110 MG	00597010860	BOEHRINGER INGELHEIM	Price Reduced by 60%	7/1/2023
Pradaxa Oral Capsule 110 MG	00597010854	BOEHRINGER INGELHEIM	Price Reduced by 60%	7/1/2023
Pradaxa Oral Capsule 150 MG	00597036082	BOEHRINGER INGELHEIM	Price Reduced by 60%	7/1/2023
Pradaxa Oral Capsule 150 MG	00597036055	BOEHRINGER INGELHEIM	Price Reduced by 60%	7/1/2023
Pradaxa Oral Capsule 75 MG	00597035556	BOEHRINGER INGELHEIM	Price Reduced by 60%	7/1/2023
Pradaxa Oral Capsule 75 MG	00597035509	BOEHRINGER INGELHEIM	Price Reduced by 60%	7/1/2023
Precedex Intravenous Solution 200 MCG/2ML	00409163832	HOSPIRA	Price Reduced by 86%	10/1/2023
Precedex Intravenous Solution 200 MCG/2ML	00409163802	HOSPIRA	Price Reduced by 86%	10/1/2023
Pylerra Oral Capsule 140-125-125 MG	58914060120	ALLERGAN	Price Reduced by 67%	11/1/2023
Zyvox Intravenous Solution 600 MG/300ML	00009514004	PFIZER U.S.	Price Reduced by 31%	10/1/2023
Zyvox Intravenous Solution 600 MG/300ML	00009514001	PFIZER U.S.	Price Reduced by 31%	10/1/2023



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

October 31, 2024

Jennifer Wentworth
Deputy Executive Director, Finance
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Wentworth12 - MississippiCAN Capitation Risk Adjustment – Q1 to Q2 2024 Retrospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2024, which are documented in a separately provided report.¹ As outlined in that report and summarized by Table 1, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 Q1 to Q2 2024 MississippiCAN Risk Scores Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective January 1, 2024 through June 30, 2024 (Q1 to Q2 2024) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2024. Risk scores for July through December 2023 (Q3 to Q4 2023) were provided in a separate letter.²

As described in greater detail below, we develop Q1 to Q2 2024 risk scores using diagnoses from May 2022 to April 2023 and the actual enrollment mix for each CCO from January to June 2024. In addition, we adjusted the enrollment records to identify MYPAC rate cell members that were incorrectly assigned to other children rate cells.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q1 to Q2 2024 were developed using:

- **Diagnosis Period:** Medical and drug diagnosis information from encounter and FFS claims incurred during May 2022 to April 2023 with runout through April 26, 2024. Normally we would use SFY 2023 (July 2022 to June 2023) claims as the diagnosis period but modified slightly given known encounter data issues beginning in mid-2023.
- **Enrollment Period:** Demographic and enrollment information from January to June 2024.

¹ "Report14 - SFY 2024 Preliminary MississippiCAN Rate Calculation and Certification.pdf" dated October 22, 2024.
² "Wentworth10 - Q3 to Q4 2023 MississippiCAN Risk Adjustment.pdf" dated October 29, 2024.



Table 2
Q1 to Q2 2024 MississippiCAN Risk Scores
Based on May 2022 to April 2023 Diagnosis Period

Rate Cell	CCO	North		Central		South	
		Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	57,875	1.008	61,366	1.013	42,656	1.014
Non-Newborn SSI / Disabled	Molina	16,456	0.957	17,219	0.962	14,648	0.975
Non-Newborn SSI / Disabled	United	48,894	1.005	49,249	0.997	44,703	0.995
MA Adult	Magnolia	33,912	1.020	37,694	1.015	37,451	1.015
MA Adult	Molina	22,188	0.955	27,184	0.964	30,388	0.950
MA Adult	United	31,585	1.010	35,615	1.011	44,120	1.021
MA Children	Magnolia	176,900	1.004	206,862	1.011	179,834	0.999
MA Children	Molina	97,287	0.957	119,413	0.951	115,044	0.960
MA Children	United	166,949	1.021	191,766	1.018	194,269	1.024
Quasi-CHIP	Magnolia	21,935	1.000	25,344	1.006	18,893	0.985
Quasi-CHIP	Molina	10,843	0.966	12,394	0.976	11,481	0.971
Quasi-CHIP	United	22,342	1.017	24,793	1.006	22,676	1.027
Foster Care	Magnolia	8,973	0.982	9,364	0.965	12,646	0.965
Foster Care	Molina	1,544	1.097	1,873	1.143	2,642	1.142
Foster Care	United	3,007	1.004	2,868	1.019	4,046	1.016

We would normally rely on a snapshot month prior to the start of the risk adjustment period; however, DOM changed MMIS vendors in October 2022 and encounter data was not available until after the completion of the risk adjustment period. In addition, the Consolidated Appropriations Act, 2023 (CAA) ended the continuous coverage requirement (CCR) introduced in the Families First Coronavirus Act (FFCRA) effective March 31, 2023. DOM subsequently resumed eligibility redetermination of members in April 2023 and began disenrolling Mississippi Medicaid recipients who were no longer eligible in July 2023 and throughout the following year. Given the significant membership changes due to resumption of eligibility redeterminations, we used actual enrollment from the risk adjustment period to calculate the Q1 to Q2 2024 risk scores.

Only MississippiCAN-eligible members enrolled in a CCO in any given month during the enrollment period of January to June 2024 were considered in this analysis. The overall CCO risk scores are a weighted average based upon the number of months individuals were enrolled during the enrollment time period. For example, more weight is placed upon the calculated risk score for an individual enrolled for all six months of the enrollment period compared to someone only enrolled for one month.

Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found on the enrollment record, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data, is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment records.

Starting in July 2021, some members in the MYPAC rate cell, which is not risk adjusted, were not correctly assigned a 'SED' lock-in flag and were instead assigned to other children rate cells, including several rate cells that are risk adjusted. We identified members that utilized MYPAC services during the risk adjustment period and recategorized these members to the MYPAC rate cell for the purposes of risk adjustment calculations.

A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members aged 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2024 for all rate



cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.

Risk Score Changes

The last release of risk scores included retrospective budget-neutral risk scores for Q3 to Q4 2023. These risk scores were based on July to December 2023 enrollment and diagnoses from January 2022 through December 2022 with runout through April 2024. Changes in budget-neutral plan risk scores between the Q3 to Q4 2023 risk scores and the Q1 to Q2 2024 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes. Additionally, new risk weights were developed for the Q1 to Q2 2024 time period to reflect the population change to include members diagnosed with hemophilia and Von Willebrand disease in the MississippiCAN program, effective January 1, 2024. The development of these risk weights is documented in a separate report.³

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column.

- For this risk score iteration, we observe changes similar in magnitude to the last update.
- The significant changes in the Foster Care rate cell are driven by a change in the enrollment practices for this population over time.

Table 3 Q1 to Q2 2024 MississippiCAN Risk Scores Changes in Statewide Budget Neutral Risk Scores Q3 to Q4 2023 vs. Q1 to Q2 2024				
Risk Scores:		Q3 to Q4 2023	Q1 to Q2 2024	
Enrollment:		Jul to Dec 2023	Jan to Jun 2024	
Cohort	Diagnosis Period:	CY 2022	May 2022 to April 2023	% Change
Non-Newborn SSI / Disabled	Magnolia	1.017	1.012	-0.56%
Non-Newborn SSI / Disabled	Molina	0.970	0.964	-0.57%
Non-Newborn SSI / Disabled	United	0.990	0.999	0.86%
MA Adult	Magnolia	1.014	1.017	0.29%
MA Adult	Molina	0.950	0.956	0.68%
MA Adult	United	1.022	1.015	-0.74%
MA Children	Magnolia	1.004	1.005	0.13%
MA Children	Molina	0.953	0.956	0.29%
MA Children	United	1.023	1.021	-0.19%
Quasi-CHIP	Magnolia	0.995	0.998	0.28%
Quasi-CHIP	Molina	0.974	0.971	-0.27%
Quasi-CHIP	United	1.017	1.016	-0.02%
Foster Care	Magnolia	0.944	0.970	2.72%
Foster Care	Molina	1.183	1.131	-4.43%
Foster Care	United	1.051	1.013	-3.56%

Exhibit 2 allocates the change in risk scores between the last release and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable.
- Column B: Updates the risk scores shown in Column A with an updated diagnosis period.
- Column C: Updates the risk scores shown in Column B with actual enrollment from January to June 2024.
- Column D: Updates the risk scores shown in Column C using the new risk weights developed for January to June 2024. This column contains the final risk scores for this release.

³ "Wentworth11 - Jan to Jun 2024 MSCAN Risk Weight Development.pdf" dated October 31, 2024.



Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2, since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the last release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.

Table 4 Q1 to Q2 2024 MississippiCAN Risk Scores Statewide Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q3 to Q4 2023	98%	94%	97%	97%
Q1 to Q2 2024	97%	93%	96%	96%
MA Adult				
Q3 to Q4 2023	90%	89%	90%	90%
Q1 to Q2 2024	91%	89%	90%	90%
MA Children				
Q3 to Q4 2023	96%	93%	95%	95%
Q1 to Q2 2024	94%	92%	94%	94%
Quasi-CHIP				
Q3 to Q4 2023	97%	93%	96%	96%
Q1 to Q2 2024	96%	93%	95%	95%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Please note, a single exhibit is provided for the Foster Care rate cell.

Table 5 Q1 to Q2 2024 MississippiCAN Risk Scores Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- Scored Members
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category
 - Count of members in the non-utilizer category
 - Count of members assigned to the housing insecurity category, for applicable populations
 - Disease category prevalence
 - Count of members not assigned to a CDPS + Rx category



- **Unscored Members**
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- **Risk Adjustment Results**
 - Calculation of budget neutral risk score for scored and unscored members and in total

Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell, since risk scores for that population do not utilize diagnostic information.

Table 6 Q1 to Q2 2024 MississippiCAN Risk Scores Conditions with the Top Five Disease Impacts Statewide Results				
Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, low	Skeletal, medium	Psychiatric, low	Psychiatric, low
2	Psychiatric, high	Psychiatric, low	Skeletal, medium	Pulmonary, low
3	Skeletal, medium	Diabetes, type 2	Pulmonary, low	Skeletal, medium
4	Diabetes, type 2	Pregnancy, incomplete	Gastro, low	Gastro, low
5	Cardiovascular, medium	Cardiovascular, extra low	CNS, low	Diabetes, type 1

Member-Level Risk Scores

Text files providing member-level demographic, diagnosis, and other risk score category information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, diagnostic, and other risk score category information for each member month
- The “unscored” extract provides only demographic information for each member month

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the letter referenced above that describes the custom risk weight model developed for January to June 2024 for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis.

Exhibits 4A to 4F display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.



Jennifer Wentworth
Mississippi Division of Medicaid
October 31, 2024
Page 6 of 6

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

$$\text{CCO Capitation Rate} = \text{Base Capitation Rate} \times \text{CCO Budget Neutral Risk Score}$$

The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates after the application of the quality withhold and prior to the following directed payments, all of which are not risk adjusted.

- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q1 to Q2 2024 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from May 2022 to April 2023 with runout through April 26, 2024, along with eligibility data from January to June 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q1 to Q2 2024 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2024 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.



Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,


Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary


Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

JAB/KNL/cl

Attachments (Provided in Excel)

Caveats and Limitations
Mississippi Division of Medicaid
Q1 to Q2 2024 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q1 to Q2 2024 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from May 2022 to April 2023 with runout through April 2024, along with eligibility data from January to June 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q1 to Q2 2024 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2024 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Jill Bruckert and Katarina Lorenz are actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1A
Mississippi Division of Medicaid
Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q1 to Q2 2024 Risk Scores
May 2022 to April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	56,311	0.943	1.008	1,564	1.050	1.009	1.008
Molina	15,308	0.894	0.956	1,148	1.007	0.967	0.957
United	47,175	0.939	1.004	1,719	1.056	1.014	1.005
Total	118,794	0.935	1.000	4,431	1.041	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	59,864	1.020	1.014	1,502	1.056	0.999	1.013
Molina	16,207	0.966	0.959	1,012	1.070	1.012	0.962
United	47,725	1.004	0.997	1,524	1.049	0.992	0.997
Total	123,796	1.007	1.000	4,038	1.057	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	41,200	1.046	1.014	1,456	1.075	1.013	1.014
Molina	13,424	1.006	0.975	1,224	1.036	0.976	0.975
United	42,918	1.025	0.994	1,785	1.067	1.005	0.995
Total	97,542	1.031	1.000	4,465	1.061	1.000	1.000

Exhibit 1B
Mississippi Division of Medicaid
MA Adult Risk Score Adjustment Summary - Q1 to Q2 2024 Risk Scores
May 2022 to April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	30,615	0.987	1.022	3,297	0.976	1.007	1.020
Molina	19,518	0.918	0.951	2,670	0.961	0.991	0.955
United	28,266	0.977	1.011	3,319	0.970	1.000	1.010
Total	78,399	0.966	1.000	9,286	0.969	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	34,332	0.988	1.017	3,362	0.978	0.999	1.015
Molina	24,638	0.935	0.962	2,546	0.966	0.987	0.964
United	32,340	0.983	1.011	3,275	0.989	1.011	1.011
Total	91,310	0.972	1.000	9,183	0.979	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	33,806	1.032	1.017	3,645	0.970	1.003	1.015
Molina	27,117	0.958	0.944	3,271	0.964	0.996	0.950
United	40,129	1.039	1.024	3,991	0.968	1.001	1.021
Total	101,052	1.015	1.000	10,907	0.968	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q1 to Q2 2024 Risk Scores
May 2022 to April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	166,468	1.017	1.004	10,432	0.975	1.000	1.004
Molina	88,936	0.966	0.954	8,351	0.971	0.996	0.957
United	156,046	1.035	1.022	10,903	0.979	1.004	1.021
Total	411,450	1.013	1.000	29,686	0.975	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	196,629	1.011	1.012	10,233	0.970	1.001	1.011
Molina	110,464	0.947	0.948	8,949	0.964	0.995	0.951
United	180,673	1.018	1.019	11,093	0.972	1.003	1.018
Total	487,766	0.999	1.000	30,275	0.969	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	169,067	1.025	0.999	10,767	0.971	0.996	0.999
Molina	105,596	0.982	0.957	9,448	0.970	0.995	0.960
United	182,674	1.052	1.026	11,595	0.983	1.008	1.024
Total	457,337	1.026	1.000	31,810	0.975	1.000	1.000

Exhibit 1D
Mississippi Division of Medicaid
Quasi-CHIP Risk Score Adjustment Summary - Q1 to Q2 2024 Risk Scores
May 2022 to April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	20,969	1.052	1.000	966	1.019	0.995	1.000
Molina	9,946	1.013	0.963	897	1.023	0.999	0.966
United	21,301	1.070	1.017	1,041	1.029	1.005	1.017
Total	52,216	1.052	1.000	2,904	1.024	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	24,529	1.032	1.005	815	1.032	1.015	1.006
Molina	11,729	1.001	0.975	665	1.016	0.999	0.976
United	23,872	1.034	1.007	921	1.005	0.988	1.006
Total	60,130	1.027	1.000	2,401	1.017	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	18,275	1.065	0.984	618	1.019	1.002	0.985
Molina	10,690	1.047	0.968	791	1.031	1.014	0.971
United	21,495	1.114	1.029	1,181	1.006	0.990	1.027
Total	50,460	1.082	1.000	2,590	1.017	1.000	1.000

Exhibit 1E
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q1 to Q2 2024 Risk Scores
January 2024 to June 2024 Enrollment Period

North Region

	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	8,973	0.921	0.982
Molina	1,544	1.029	1.097
United	3,007	0.942	1.004
Total	13,524	0.938	1.000

Central Region

	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	9,364	0.988	0.965
Molina	1,873	1.169	1.143
United	2,868	1.043	1.019
Total	14,105	1.023	1.000

South Region

	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	12,646	0.903	0.965
Molina	2,642	1.069	1.142
United	4,046	0.951	1.016
Total	19,334	0.936	1.000

Exhibit 2A Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.961	0.989	0.969	0.943	2.9%	-1.9%	-2.7%	-1.8%
Molina	0.923	0.959	0.936	0.894	3.9%	-2.4%	-4.5%	-3.2%
United	0.977	0.996	0.967	0.939	2.0%	-3.0%	-2.9%	-3.9%
Unscored Members								
Magnolia	1.033	1.021	1.036	1.050	-1.2%	1.5%	1.3%	1.6%
Molina	1.013	0.984	0.997	1.007	-2.8%	1.3%	0.9%	-0.6%
United	1.039	1.053	1.042	1.056	1.3%	-1.0%	1.3%	1.6%
All Members								
Magnolia	0.963	0.989	0.972	0.947	2.7%	-1.8%	-2.6%	-1.7%
Molina	0.927	0.959	0.938	0.898	3.5%	-2.2%	-4.2%	-3.1%
United	0.979	0.998	0.970	0.943	1.9%	-2.8%	-2.7%	-3.6%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.064	1.083	1.065	1.020	1.8%	-1.6%	-4.2%	-4.1%
Molina	1.020	1.052	1.010	0.966	3.2%	-4.0%	-4.4%	-5.3%
United	1.013	1.044	1.036	1.004	3.0%	-0.8%	-3.1%	-1.0%
Unscored Members								
Magnolia	1.050	1.035	1.046	1.056	-1.5%	1.1%	1.0%	0.6%
Molina	1.048	1.061	1.063	1.070	1.2%	0.2%	0.7%	2.1%
United	1.037	1.016	1.040	1.049	-2.0%	2.4%	0.8%	1.1%
All Members								
Magnolia	1.064	1.082	1.065	1.022	1.7%	-1.6%	-4.0%	-4.0%
Molina	1.021	1.053	1.013	0.970	3.1%	-3.8%	-4.2%	-5.0%
United	1.014	1.044	1.036	1.005	2.9%	-0.8%	-3.0%	-0.9%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.134	1.155	1.115	1.046	1.9%	-3.5%	-6.2%	-7.8%
Molina	1.058	1.092	1.069	1.006	3.3%	-2.2%	-5.8%	-4.9%
United	1.071	1.103	1.078	1.025	2.9%	-2.2%	-4.9%	-4.3%
Unscored Members								
Magnolia	1.061	1.066	1.065	1.075	0.5%	-0.1%	1.0%	1.4%
Molina	1.006	0.984	1.026	1.036	-2.2%	4.2%	1.0%	3.0%
United	1.059	1.062	1.060	1.067	0.3%	-0.2%	0.7%	0.7%
All Members								
Magnolia	1.132	1.153	1.113	1.047	1.9%	-3.5%	-5.9%	-7.4%
Molina	1.056	1.089	1.067	1.007	3.2%	-2.1%	-5.5%	-4.6%
United	1.071	1.102	1.077	1.027	2.9%	-2.2%	-4.6%	-4.1%

Exhibit 2B
Mississippi Division of Medicaid
Impact Analysis Non-Newborn SSI / Disabled Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.998	1.001	1.005	1.008	0.3%	0.5%	0.3%	1.0%
Molina	0.959	0.971	0.971	0.956	1.2%	0.0%	-1.5%	-0.4%
United	1.015	1.009	1.003	1.004	-0.6%	-0.6%	0.1%	-1.0%
Unscored Members								
Magnolia	1.003	0.997	1.008	1.009	-0.7%	1.1%	0.1%	0.5%
Molina	0.983	0.961	0.970	0.967	-2.2%	0.9%	-0.3%	-1.6%
United	1.009	1.028	1.013	1.014	1.9%	-1.4%	0.1%	0.5%
All Members								
Magnolia	0.998	1.001	1.006	1.008	0.2%	0.5%	0.3%	1.0%
Molina	0.961	0.970	0.971	0.957	1.0%	0.0%	-1.4%	-0.5%
United	1.015	1.009	1.003	1.005	-0.6%	-0.6%	0.1%	-1.0%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.024	1.018	1.018	1.014	-0.6%	0.0%	-0.4%	-1.0%
Molina	0.982	0.989	0.965	0.959	0.7%	-2.4%	-0.6%	-2.3%
United	0.976	0.982	0.990	0.997	0.6%	0.8%	0.7%	2.2%
Unscored Members								
Magnolia	1.005	1.001	0.998	0.999	-0.4%	-0.3%	0.1%	-0.6%
Molina	1.003	1.026	1.014	1.012	2.3%	-1.2%	-0.1%	1.0%
United	0.993	0.983	0.993	0.992	-1.0%	1.0%	0.0%	0.0%
All Members								
Magnolia	1.024	1.018	1.017	1.013	-0.6%	0.0%	-0.4%	-1.0%
Molina	0.983	0.990	0.968	0.962	0.7%	-2.2%	-0.6%	-2.1%
United	0.976	0.982	0.990	0.997	0.6%	0.8%	0.7%	2.1%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.035	1.028	1.021	1.014	-0.6%	-0.7%	-0.7%	-2.0%
Molina	0.965	0.972	0.978	0.975	0.7%	0.6%	-0.3%	1.1%
United	0.977	0.981	0.987	0.994	0.4%	0.5%	0.7%	1.7%
Unscored Members								
Magnolia	1.015	1.024	1.012	1.013	0.9%	-1.2%	0.1%	-0.2%
Molina	0.962	0.946	0.975	0.976	-1.7%	3.1%	0.1%	1.4%
United	1.013	1.021	1.007	1.005	0.7%	-1.3%	-0.2%	-0.8%
All Members								
Magnolia	1.034	1.028	1.021	1.014	-0.6%	-0.7%	-0.6%	-1.9%
Molina	0.965	0.971	0.978	0.975	0.6%	0.7%	-0.2%	1.1%
United	0.978	0.982	0.988	0.995	0.4%	0.5%	0.7%	1.6%

Exhibit 2C
Mississippi Division of Medicaid
Impact Analysis MA Adult Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.988	0.990	0.955	0.987	0.2%	-3.5%	3.3%	-0.1%
Molina	0.913	0.929	0.903	0.918	1.8%	-2.8%	1.7%	0.5%
United	0.978	0.989	0.954	0.977	1.1%	-3.6%	2.4%	-0.2%
Unscored Members								
Magnolia	0.997	1.003	0.996	0.976	0.7%	-0.7%	-2.0%	-2.1%
Molina	0.994	0.991	0.983	0.961	-0.3%	-0.8%	-2.3%	-3.4%
United	0.995	0.994	0.991	0.970	-0.2%	-0.3%	-2.2%	-2.6%
All Members								
Magnolia	0.990	0.991	0.960	0.986	0.2%	-3.2%	2.7%	-0.4%
Molina	0.923	0.934	0.912	0.923	1.2%	-2.4%	1.2%	0.0%
United	0.980	0.989	0.958	0.976	0.9%	-3.2%	1.9%	-0.5%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.983	0.999	0.965	0.988	1.6%	-3.4%	2.4%	0.5%
Molina	0.910	0.938	0.912	0.935	3.0%	-2.8%	2.6%	2.7%
United	0.996	1.001	0.969	0.983	0.5%	-3.2%	1.4%	-1.4%
Unscored Members								
Magnolia	0.986	0.988	0.998	0.978	0.1%	1.1%	-2.1%	-0.9%
Molina	0.992	0.996	0.986	0.966	0.4%	-1.0%	-2.0%	-2.6%
United	1.022	1.013	1.013	0.989	-0.8%	-0.1%	-2.3%	-3.2%
All Members								
Magnolia	0.984	0.998	0.968	0.987	1.5%	-3.0%	2.0%	0.3%
Molina	0.918	0.941	0.918	0.938	2.5%	-2.4%	2.1%	2.1%
United	0.999	1.002	0.973	0.983	0.4%	-2.9%	1.0%	-1.5%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.026	1.048	1.031	1.032	2.2%	-1.6%	0.1%	0.6%
Molina	0.959	0.980	0.964	0.958	2.2%	-1.7%	-0.5%	-0.1%
United	1.042	1.068	1.050	1.039	2.5%	-1.7%	-1.0%	-0.3%
Unscored Members								
Magnolia	0.982	0.988	0.995	0.970	0.6%	0.8%	-2.5%	-1.2%
Molina	0.997	0.990	0.988	0.964	-0.7%	-0.3%	-2.4%	-3.3%
United	0.998	1.000	0.994	0.968	0.1%	-0.6%	-2.6%	-3.0%
All Members								
Magnolia	1.022	1.044	1.028	1.026	2.2%	-1.6%	-0.2%	0.4%
Molina	0.964	0.982	0.967	0.960	1.8%	-1.5%	-0.7%	-0.4%
United	1.038	1.064	1.045	1.032	2.5%	-1.8%	-1.2%	-0.6%

Exhibit 2D
Mississippi Division of Medicaid
Impact Analysis MA Adult Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.023	1.016	1.014	1.022	-0.7%	-0.2%	0.7%	-0.2%
Molina	0.946	0.954	0.959	0.951	0.9%	0.6%	-0.9%	0.5%
United	1.013	1.015	1.013	1.011	0.2%	-0.2%	-0.2%	-0.2%
Unscored Members								
Magnolia	1.001	1.007	1.006	1.007	0.6%	-0.1%	0.1%	0.6%
Molina	0.999	0.995	0.993	0.991	-0.4%	-0.2%	-0.2%	-0.8%
United	1.000	0.997	1.000	1.000	-0.3%	0.3%	0.0%	0.0%
All Members								
Magnolia	1.021	1.016	1.013	1.020	-0.5%	-0.2%	0.7%	-0.1%
Molina	0.952	0.957	0.963	0.955	0.5%	0.6%	-0.8%	0.3%
United	1.011	1.013	1.011	1.010	0.2%	-0.2%	-0.2%	-0.2%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.016	1.016	1.013	1.017	0.0%	-0.3%	0.3%	0.1%
Molina	0.940	0.954	0.958	0.962	1.5%	0.4%	0.5%	2.3%
United	1.029	1.019	1.018	1.011	-1.0%	0.0%	-0.7%	-1.7%
Unscored Members								
Magnolia	0.986	0.989	0.999	0.999	0.3%	1.0%	0.1%	1.3%
Molina	0.992	0.997	0.986	0.987	0.5%	-1.1%	0.1%	-0.5%
United	1.021	1.014	1.013	1.011	-0.7%	-0.2%	-0.2%	-1.0%
All Members								
Magnolia	1.013	1.014	1.012	1.015	0.1%	-0.2%	0.3%	0.2%
Molina	0.945	0.957	0.960	0.964	1.2%	0.4%	0.4%	2.0%
United	1.028	1.018	1.018	1.011	-1.0%	0.0%	-0.6%	-1.7%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.011	1.010	1.011	1.017	-0.1%	0.1%	0.6%	0.6%
Molina	0.945	0.945	0.944	0.944	-0.1%	-0.1%	0.0%	-0.1%
United	1.027	1.029	1.029	1.024	0.2%	0.0%	-0.5%	-0.4%
Unscored Members								
Magnolia	0.989	0.995	1.003	1.003	0.6%	0.8%	0.0%	1.3%
Molina	1.004	0.997	0.995	0.996	-0.7%	-0.2%	0.1%	-0.8%
United	1.006	1.007	1.002	1.001	0.1%	-0.5%	-0.1%	-0.5%
All Members								
Magnolia	1.009	1.009	1.010	1.015	0.0%	0.1%	0.6%	0.6%
Molina	0.952	0.948	0.950	0.950	-0.4%	0.1%	0.0%	-0.2%
United	1.025	1.028	1.026	1.021	0.2%	-0.2%	-0.5%	-0.4%

Exhibit 2E
Mississippi Division of Medicaid
Impact Analysis MA Children Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.040	1.048	1.042	1.017	0.8%	-0.5%	-2.5%	-2.2%
Molina	0.994	0.993	0.997	0.966	-0.1%	0.4%	-3.1%	-2.8%
United	1.059	1.067	1.065	1.035	0.8%	-0.2%	-2.8%	-2.2%
Unscored Members								
Magnolia	0.982	0.994	0.969	0.975	1.2%	-2.6%	0.6%	-0.7%
Molina	0.977	0.993	0.966	0.971	1.6%	-2.7%	0.6%	-0.6%
United	0.985	0.999	0.978	0.979	1.4%	-2.1%	0.1%	-0.6%
All Members								
Magnolia	1.036	1.046	1.037	1.014	1.0%	-0.8%	-2.3%	-2.2%
Molina	0.993	0.994	0.996	0.967	0.0%	0.2%	-2.9%	-2.6%
United	1.055	1.065	1.059	1.032	0.9%	-0.5%	-2.6%	-2.2%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.038	1.049	1.047	1.011	1.0%	-0.1%	-3.4%	-2.6%
Molina	0.976	0.977	0.980	0.947	0.2%	0.2%	-3.3%	-2.9%
United	1.046	1.053	1.048	1.018	0.6%	-0.4%	-2.9%	-2.7%
Unscored Members								
Magnolia	0.984	1.002	0.964	0.970	1.8%	-3.9%	0.7%	-1.5%
Molina	0.972	0.987	0.960	0.964	1.5%	-2.8%	0.4%	-0.9%
United	0.987	0.999	0.967	0.972	1.2%	-3.1%	0.4%	-1.5%
All Members								
Magnolia	1.036	1.047	1.042	1.009	1.1%	-0.5%	-3.2%	-2.6%
Molina	0.976	0.978	0.979	0.949	0.2%	0.1%	-3.1%	-2.8%
United	1.044	1.051	1.044	1.016	0.7%	-0.7%	-2.7%	-2.7%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.062	1.069	1.075	1.025	0.6%	0.6%	-4.6%	-3.5%
Molina	1.007	1.015	1.028	0.982	0.8%	1.4%	-4.5%	-2.5%
United	1.098	1.098	1.104	1.052	0.0%	0.5%	-4.7%	-4.2%
Unscored Members								
Magnolia	0.985	1.001	0.971	0.971	1.6%	-3.0%	-0.1%	-1.4%
Molina	0.978	0.990	0.967	0.970	1.2%	-2.3%	0.3%	-0.9%
United	0.990	1.004	0.980	0.983	1.5%	-2.4%	0.3%	-0.7%
All Members								
Magnolia	1.059	1.068	1.069	1.022	0.8%	0.1%	-4.4%	-3.5%
Molina	1.006	1.014	1.025	0.982	0.8%	1.1%	-4.3%	-2.4%
United	1.093	1.096	1.096	1.048	0.2%	0.0%	-4.4%	-4.2%

Exhibit 2F
Mississippi Division of Medicaid
Impact Analysis MA Children Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.002	1.004	1.001	1.004	0.2%	-0.3%	0.3%	0.2%
Molina	0.958	0.951	0.958	0.954	-0.7%	0.7%	-0.4%	-0.4%
United	1.021	1.022	1.023	1.022	0.1%	0.1%	-0.1%	0.2%
Unscored Members								
Magnolia	1.000	0.999	0.997	1.000	-0.2%	-0.1%	0.2%	-0.1%
Molina	0.995	0.997	0.994	0.996	0.2%	-0.3%	0.2%	0.1%
United	1.003	1.003	1.007	1.004	0.0%	0.4%	-0.3%	0.0%
All Members								
Magnolia	1.002	1.004	1.001	1.004	0.2%	-0.3%	0.3%	0.2%
Molina	0.961	0.953	0.961	0.957	-0.7%	0.8%	-0.4%	-0.3%
United	1.020	1.022	1.022	1.021	0.2%	0.0%	-0.1%	0.1%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.010	1.014	1.014	1.012	0.3%	0.1%	-0.2%	0.1%
Molina	0.950	0.945	0.949	0.948	-0.5%	0.4%	-0.1%	-0.2%
United	1.018	1.018	1.016	1.019	0.0%	-0.2%	0.3%	0.1%
Unscored Members								
Magnolia	1.003	1.006	1.000	1.001	0.3%	-0.6%	0.2%	-0.2%
Molina	0.990	0.990	0.996	0.995	0.0%	0.5%	-0.1%	0.5%
United	1.005	1.002	1.004	1.003	-0.3%	0.2%	-0.1%	-0.2%
All Members								
Magnolia	1.010	1.014	1.014	1.011	0.3%	0.0%	-0.2%	0.1%
Molina	0.952	0.946	0.952	0.951	-0.6%	0.6%	-0.1%	-0.1%
United	1.018	1.017	1.015	1.018	0.0%	-0.2%	0.3%	0.0%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.998	1.001	0.999	0.999	0.3%	-0.2%	0.0%	0.1%
Molina	0.946	0.950	0.956	0.957	0.4%	0.7%	0.1%	1.2%
United	1.032	1.028	1.026	1.026	-0.4%	-0.2%	0.0%	-0.6%
Unscored Members								
Magnolia	1.000	1.002	0.998	0.996	0.2%	-0.4%	-0.2%	-0.4%
Molina	0.994	0.991	0.994	0.995	-0.3%	0.3%	0.1%	0.1%
United	1.005	1.005	1.007	1.008	0.0%	0.2%	0.1%	0.3%
All Members								
Magnolia	0.998	1.001	0.999	0.999	0.3%	-0.2%	0.0%	0.1%
Molina	0.949	0.951	0.959	0.960	0.2%	0.8%	0.1%	1.2%
United	1.031	1.027	1.025	1.024	-0.3%	-0.2%	0.0%	-0.6%

Exhibit 2G
Mississippi Division of Medicaid
Impact Analysis Quasi-CHIP Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.082	1.089	1.078	1.052	0.7%	-1.1%	-2.4%	-2.8%
Molina	1.041	1.050	1.053	1.013	0.9%	0.3%	-3.8%	-2.7%
United	1.096	1.115	1.099	1.070	1.7%	-1.4%	-2.6%	-2.3%
Unscored Members								
Magnolia	1.027	1.017	1.051	1.019	-1.0%	3.4%	-3.1%	-0.8%
Molina	1.050	1.051	1.054	1.023	0.1%	0.3%	-2.9%	-2.5%
United	1.060	1.053	1.046	1.029	-0.7%	-0.7%	-1.6%	-3.0%
All Members								
Magnolia	1.080	1.087	1.077	1.051	0.7%	-1.0%	-2.4%	-2.7%
Molina	1.042	1.051	1.054	1.015	0.8%	0.3%	-3.7%	-2.7%
United	1.094	1.113	1.097	1.068	1.7%	-1.5%	-2.6%	-2.4%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.049	1.072	1.064	1.032	2.2%	-0.8%	-2.9%	-1.6%
Molina	1.041	1.059	1.036	1.001	1.8%	-2.2%	-3.3%	-3.8%
United	1.060	1.072	1.058	1.034	1.1%	-1.3%	-2.3%	-2.5%
Unscored Members								
Magnolia	1.064	1.065	1.062	1.032	0.1%	-0.3%	-2.8%	-3.0%
Molina	1.054	1.072	1.057	1.016	1.7%	-1.4%	-3.9%	-3.6%
United	1.048	1.038	1.031	1.005	-1.0%	-0.6%	-2.5%	-4.1%
All Members								
Magnolia	1.050	1.072	1.063	1.032	2.1%	-0.8%	-2.9%	-1.7%
Molina	1.042	1.060	1.037	1.002	1.8%	-2.2%	-3.3%	-3.8%
United	1.060	1.071	1.057	1.033	1.1%	-1.3%	-2.3%	-2.6%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.108	1.108	1.117	1.065	0.0%	0.8%	-4.6%	-3.9%
Molina	1.082	1.083	1.088	1.047	0.1%	0.5%	-3.8%	-3.2%
United	1.160	1.177	1.161	1.114	1.5%	-1.3%	-4.1%	-3.9%
Unscored Members								
Magnolia	1.052	1.052	1.036	1.019	0.0%	-1.6%	-1.6%	-3.1%
Molina	1.046	1.053	1.043	1.031	0.7%	-0.9%	-1.1%	-1.4%
United	1.032	1.038	1.033	1.006	0.5%	-0.5%	-2.5%	-2.5%
All Members								
Magnolia	1.106	1.107	1.113	1.063	0.1%	0.6%	-4.5%	-3.9%
Molina	1.082	1.083	1.087	1.048	0.1%	0.4%	-3.6%	-3.1%
United	1.154	1.172	1.155	1.109	1.6%	-1.5%	-4.0%	-3.9%

Exhibit 2H
Mississippi Division of Medicaid
Impact Analysis Quasi-CHIP Population
Q3 to Q4 2023 to Q1 to Q2 2024 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	1.002	0.997	0.996	1.000	-0.5%	-0.1%	0.4%	-0.2%
Molina	0.963	0.961	0.973	0.963	-0.3%	1.3%	-1.1%	-0.1%
United	1.014	1.020	1.016	1.017	0.6%	-0.4%	0.1%	0.3%
Unscored Members								
Magnolia	0.982	0.977	1.001	0.995	-0.5%	2.4%	-0.6%	1.4%
Molina	1.003	1.010	1.004	0.999	0.7%	-0.6%	-0.4%	-0.4%
United	1.013	1.012	0.996	1.005	-0.1%	-1.6%	0.9%	-0.8%
All Members								
Magnolia	1.001	0.996	0.997	1.000	-0.5%	0.0%	0.3%	-0.1%
Molina	0.966	0.963	0.976	0.966	-0.3%	1.3%	-1.0%	-0.1%
United	1.014	1.020	1.015	1.017	0.6%	-0.5%	0.2%	0.2%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.997	1.002	1.007	1.005	0.5%	0.5%	-0.2%	0.8%
Molina	0.989	0.990	0.981	0.975	0.1%	-1.0%	-0.6%	-1.4%
United	1.008	1.002	1.002	1.007	-0.6%	0.0%	0.5%	-0.1%
Unscored Members								
Magnolia	1.009	1.009	1.012	1.015	0.0%	0.3%	0.2%	0.5%
Molina	1.000	1.017	1.008	0.999	1.7%	-0.8%	-0.9%	-0.1%
United	0.994	0.984	0.983	0.988	-1.0%	0.0%	0.5%	-0.6%
All Members								
Magnolia	0.998	1.003	1.008	1.006	0.5%	0.5%	-0.2%	0.8%
Molina	0.990	0.991	0.982	0.976	0.1%	-0.9%	-0.6%	-1.4%
United	1.007	1.001	1.001	1.006	-0.6%	0.0%	0.5%	-0.1%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jul 2023 to Dec 2023	Jul 2023 to Dec 2023	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	% Change Due to New Diagnosis Period	% Change Due to 1H2024 Enrollment Change	% Change Due to Risk Weight Update	Total % Change
Diagnosis Period	CY 2022 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (Prior Risk Weights)	May 2022 to Apr 2023 (New Risk Weights)				
Scored Members								
Magnolia	0.984	0.978	0.989	0.984	-0.7%	1.1%	-0.5%	0.0%
Molina	0.961	0.955	0.963	0.968	-0.6%	0.8%	0.5%	0.7%
United	1.030	1.038	1.028	1.029	0.8%	-1.0%	0.2%	-0.1%
Unscored Members								
Magnolia	1.011	1.006	0.999	1.002	-0.4%	-0.7%	0.3%	-0.8%
Molina	1.004	1.007	1.006	1.014	0.2%	-0.1%	0.8%	0.9%
United	0.991	0.992	0.996	0.990	0.1%	0.4%	-0.7%	-0.2%
All Members								
Magnolia	0.985	0.978	0.989	0.985	-0.7%	1.1%	-0.4%	0.0%
Molina	0.964	0.957	0.966	0.971	-0.7%	0.9%	0.5%	0.7%
United	1.028	1.036	1.026	1.027	0.8%	-1.0%	0.1%	-0.1%

Exhibit 3A Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - North Region - Q1 to Q2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.144	N/A	56,311	100.00%	N/A	15,308	100.00%	N/A	47,175	100.00%	N/A	118,794	100.00%
Demographic Categories													
Age 1 to 4	0.253	N/A	1,499	2.66%	N/A	1,161	7.58%	N/A	1,436	3.04%	N/A	4,096	3.45%
Age 5 to 14 Male	0.101	N/A	6,528	11.59%	N/A	2,038	13.31%	N/A	5,289	11.21%	N/A	13,855	5.30%
Age 5 to 14 Female	0.126	N/A	2,856	5.07%	N/A	848	5.54%	N/A	2,596	5.50%	N/A	6,300	5.30%
Age 15 to 24 Male	0.000	N/A	5,166	9.17%	N/A	1,529	9.99%	N/A	4,670	9.90%	N/A	11,365	9.57%
Age 15 to 24 Female	0.097	N/A	2,757	4.90%	N/A	809	5.28%	N/A	2,609	5.53%	N/A	6,175	5.20%
Age 25 to 44 Male	0.110	N/A	6,904	12.26%	N/A	1,574	10.28%	N/A	6,029	12.78%	N/A	14,507	12.21%
Age 25 to 44 Female	0.182	N/A	11,359	20.17%	N/A	1,436	9.38%	N/A	10,689	22.60%	N/A	22,955	19.35%
Age 45 and Older Male	0.117	N/A	10,136	18.00%	N/A	3,095	20.22%	N/A	8,425	17.86%	N/A	21,656	18.23%
Age 45 and Older Female	0.138	N/A	14,076	25.00%	N/A	2,818	18.41%	N/A	10,981	23.28%	N/A	27,875	23.46%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.114)	N/A	4,986	8.85%	N/A	1,715	11.20%	N/A	4,164	8.83%	N/A	10,865	9.15%
Homelessness Category													
Homelessness	0.693	N/A	254	0.45%	N/A	112	0.73%	N/A	167	0.35%	N/A	533	0.45%
Disease Categories													
Cancer, very high	2.226	24	227	0.40%	12	83	0.54%	24	166	0.35%	22	476	0.40%
Cancer, high	0.762	23	664	1.18%	18	204	1.33%	23	511	1.08%	23	1,379	1.16%
Cancer, medium	0.548	21	972	1.73%	26	194	1.27%	15	998	2.12%	20	2,164	1.82%
Cancer, low	0.202	39	586	1.04%	43	120	0.78%	41	440	0.93%	40	1,146	0.96%
Cardiovascular, very high	0.780	34	318	0.56%	31	107	0.70%	35	267	0.57%	33	692	0.58%
Cardiovascular, medium	0.439	5	6,203	11.02%	4	1,703	11.12%	5	4,965	10.52%	5	12,871	10.83%
Cardiovascular, low	0.156	14	4,154	7.38%	14	1,130	7.38%	20	3,112	6.60%	16	8,396	7.07%
Cardiovascular, extra low	0.046	11	15,055	26.74%	20	2,982	19.48%	13	12,411	26.31%	13	30,448	25.63%
CNS, high	1.165	19	485	0.86%	24	104	0.68%	25	301	0.64%	25	880	0.75%
CNS, medium	0.402	26	1,171	2.08%	22	331	2.16%	22	1,092	2.31%	24	2,594	2.18%
CNS, low	0.231	6	8,991	15.97%	7	2,118	13.84%	6	7,919	16.79%	6	19,028	16.02%
DD, low to medium	0.104	35	2,006	3.56%	34	536	3.50%	34	2,050	4.35%	35	4,592	3.87%
Diabetes, type 1	0.803	16	767	1.36%	25	136	0.89%	17	664	1.41%	19	1,567	1.32%
Diabetes, type 2	0.389	3	9,440	16.76%	5	1,897	12.39%	4	7,416	15.72%	3	18,753	15.79%
Eye, low	0.202	41	542	0.96%	44	76	0.50%	42	346	0.73%	42	964	0.81%
Eye, very low	0.109	22	4,795	8.52%	33	591	3.86%	27	2,793	5.92%	26	8,179	6.89%
Gastro, medium to high	0.420	9	2,578	4.58%	9	685	4.47%	9	2,097	4.45%	9	5,360	4.51%
Gastro, low	0.097	10	10,800	19.18%	11	2,262	14.78%	10	8,260	17.51%	10	21,322	17.95%
Genital, extra low	0.057	42	1,833	3.26%	41	454	2.97%	40	1,732	3.67%	41	4,019	3.38%
Hematological, extra high	5.677	37	23	0.04%	36	9	0.06%	37	24	0.05%	37	56	0.05%
Hematological, medium to very high	0.620	17	989	1.76%	19	232	1.52%	14	892	1.89%	15	2,111	1.78%
Hematological, low	0.169	40	668	1.19%	38	220	1.44%	39	631	1.34%	39	1,519	1.28%
Infectious, high to very high	1.205	7	1,557	2.77%	6	411	2.68%	7	1,318	2.79%	7	3,286	2.77%
Infectious, medium	0.262	32	1,267	2.25%	29	356	2.33%	31	1,033	2.19%	32	2,656	2.24%
Metabolic, high	0.526	12	1,289	2.29%	10	427	2.79%	12	1,122	2.38%	11	2,838	2.39%
Metabolic, medium	0.097	28	3,955	7.02%	28	1,008	6.58%	30	2,979	6.31%	29	7,942	6.69%
Pregnancy, incomplete	0.477	43	174	0.31%	46	24	0.16%	46	91	0.19%	44	289	0.24%
Psychiatric, high	0.938	4	3,364	5.97%	3	933	6.09%	3	3,210	6.80%	4	7,507	6.32%
Psychiatric, medium	0.408	27	975	1.73%	23	300	1.96%	26	777	1.65%	27	2,052	1.73%
Psychiatric, low	0.198	1	21,024	37.34%	1	5,546	36.23%	1	18,404	39.01%	1	44,747	37.68%
Pulmonary, very high	0.678	13	996	1.77%	16	247	1.61%	18	721	1.53%	14	1,964	1.65%
Pulmonary, high	0.507	45	114	0.20%	40	54	0.35%	45	90	0.19%	46	258	0.22%
Pulmonary, medium	0.348	15	1,844	3.27%	15	497	3.25%	19	1,400	2.97%	17	3,741	3.15%
Pulmonary, low	0.141	8	9,283	16.49%	8	2,237	14.61%	8	6,958	14.75%	8	18,478	15.55%
Rare Diseases	3.420	36	45	0.08%	48	0	0.00%	36	48	0.10%	36	93	0.08%
Renal, extra high	2.509	20	224	0.40%	13	71	0.46%	11	267	0.57%	12	562	0.47%
Renal, medium	0.278	18	2,109	3.75%	21	491	3.21%	16	1,936	4.10%	18	4,536	3.82%
Renal, low	0.132	33	1,953	3.47%	35	412	2.69%	33	1,612	3.42%	34	3,977	3.35%
Skeletal, medium	0.267	2	15,302	27.17%	2	3,678	24.03%	2	12,508	26.51%	2	31,488	26.51%
Skeletal, very low to low	0.093	29	4,095	7.27%	32	860	5.62%	28	3,226	6.84%	30	8,181	6.89%
Skin, very low to high	0.081	30	4,669	8.29%	30	1,145	7.48%	29	3,640	7.72%	28	9,454	7.98%
Substance abuse, very low to low	0.138	25	3,490	6.20%	17	1,188	7.76%	21	3,207	6.80%	21	7,885	6.64%
Disabled Children Add-On - CNS, high	0.420	46	137	0.24%	47	27	0.18%	48	58	0.12%	48	222	0.19%
Disabled Children Add-On - Diabetes, type 1	0.418	48	123	0.22%	45	36	0.24%	47	74	0.16%	47	233	0.20%
Disabled Children Add-On - Gastro, high	0.766	31	460	0.82%	27	128	0.84%	32	332	0.70%	31	920	0.77%
Disabled Children Add-On - Metabolic, high	0.192	47	278	0.49%	39	157	1.03%	43	275	0.58%	45	619	0.52%
Disabled Children Add-On - Metabolic, medium	0.218	44	312	0.55%	42	115	0.75%	44	212	0.45%	43	639	0.54%
Disabled Children Add-On - Pulmonary, very hig	0.579	38	217	0.39%	37	84	0.55%	38	213	0.45%	38	514	0.43%
Population Statistics													
No Classified Disease Categories	N/A	N/A	6,002	10.66%	N/A	1,947	12.72%	N/A	5,028	10.66%	N/A	12,977	10.92%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.082	N/A	145	9.27%	N/A	114	9.93%	N/A	151	8.78%	N/A	410	9.25%
Age 5 to 14 Male	0.593	N/A	112	7.16%	N/A	107	9.32%	N/A	160	9.31%	N/A	379	8.55%
Age 5 to 14 Female	0.696	N/A	63	4.03%	N/A	52	4.53%	N/A	90	5.24%	N/A	205	4.63%
Age 15 to 24 Male	0.517	N/A	97	6.20%	N/A	84	7.32%	N/A	85	4.94%	N/A	266	6.00%
Age 15 to 24 Female	0.735	N/A	84	5.37%	N/A	85	7.40%	N/A	44	2.56%	N/A	213	4.81%
Age 25 to 44 Male	0.938	N/A	185	11.83%	N/A	119	10.37%	N/A	185	10.76%	N/A	489	11.04%
Age 25 to 44 Female	1.133	N/A	112	7.16%	N/A	117	10.19%	N/A	151	8.78%	N/A	380	8.58%
Age 45 and Older Male	1.163	N/A	367	23.47%	N/A	271	23.61%	N/A	403	23.44%	N/A	1,041	23.49%
Age 45 and Older Female	1.344	N/A	399	25.51%	N/A	199	17.33%	N/A	450	26.18%	N/A	1,048	23.65%
Risk Adjustment Results													
Scored Members													
Member Months			56,311			15,308			47,175			118,794	
Unadjusted Plan Factor			0.943			0.894			0.939			0.935	
Budget Neutral Plan Factor			1.008			0.956			1.004			1.000	
Unscored Members													
Member Months			1,564			1,148			1,719			4,431	
Unadjusted Plan Factor			1.050			1.007			1.056			1.041	
Budget Neutral Plan Factor			1.009			0.967			1.014			1.000	
Total Members													
Member Months			57,875			16,456			48,894			123,225	
Unadjusted Plan Factor			0.947			0.898			0.943			0.939	
Budget Neutral Plan Factor			1.008			0.957			1.005			1.000	

Exhibit 3B Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - Central Region - Q1 to Q2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.144	N/A	59,864	100.00%	N/A	16,207	100.00%	N/A	47,725	100.00%	N/A	123,796	100.00%
Demographic Categories													
Age 1 to 4	0.253	N/A	1,919	3.21%	N/A	1,599	9.87%	N/A	1,590	3.33%	N/A	5,108	4.13%
Age 5 to 14 Male	0.101	N/A	6,839	11.42%	N/A	2,172	13.40%	N/A	5,672	11.88%	N/A	14,683	11.86%
Age 5 to 14 Female	0.126	N/A	3,202	5.35%	N/A	873	5.39%	N/A	2,646	5.54%	N/A	6,721	5.43%
Age 15 to 24 Male	0.000	N/A	5,963	9.96%	N/A	1,727	10.66%	N/A	4,560	9.55%	N/A	12,250	9.90%
Age 15 to 24 Female	0.097	N/A	3,145	5.25%	N/A	907	5.60%	N/A	2,409	5.05%	N/A	6,461	5.22%
Age 25 to 44 Male	0.110	N/A	7,450	12.44%	N/A	1,729	10.67%	N/A	6,110	12.80%	N/A	15,289	12.35%
Age 25 to 44 Female	0.182	N/A	6,653	11.11%	N/A	1,254	7.74%	N/A	4,823	10.11%	N/A	12,730	10.28%
Age 45 and Older Male	0.117	N/A	10,579	17.67%	N/A	3,356	20.71%	N/A	9,259	19.40%	N/A	23,194	18.74%
Age 45 and Older Female	0.138	N/A	14,114	23.58%	N/A	2,590	15.98%	N/A	10,656	22.33%	N/A	27,360	22.10%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.114)	N/A	4,373	7.30%	N/A	1,440	8.89%	N/A	3,824	8.01%	N/A	9,637	7.78%
Homelessness Category													
Homelessness	0.693	N/A	454	0.76%	N/A	263	1.62%	N/A	478	1.00%	N/A	1,195	0.97%
Disease Categories													
Cancer, very high	2.226	18	304	0.51%	10	113	0.70%	25	177	0.37%	22	594	0.48%
Cancer, high	0.762	26	719	1.20%	26	181	1.12%	23	657	1.38%	25	1,557	1.26%
Cancer, medium	0.548	25	1,055	1.76%	24	275	1.70%	17	1,038	2.17%	23	2,368	1.91%
Cancer, low	0.202	42	592	0.99%	41	160	0.99%	42	433	0.91%	43	1,185	0.96%
Cardiovascular, very high	0.780	30	500	0.84%	35	87	0.54%	36	297	0.62%	33	884	0.71%
Cardiovascular, medium	0.439	5	6,325	10.57%	4	1,878	11.59%	5	5,087	10.66%	5	13,290	10.74%
Cardiovascular, low	0.156	24	3,756	6.27%	19	1,168	7.21%	24	3,045	6.38%	24	7,969	6.44%
Cardiovascular, extra low	0.046	16	16,105	26.90%	23	3,317	20.47%	15	12,522	26.24%	16	31,944	25.80%
CNS, high	1.165	13	803	1.34%	17	167	1.03%	12	654	1.37%	13	1,624	1.31%
CNS, medium	0.402	22	1,557	2.60%	18	458	2.83%	21	1,291	2.71%	20	3,306	2.67%
CNS, low	0.231	7	10,412	17.39%	6	2,950	18.20%	7	8,806	18.45%	7	22,188	17.91%
DD, low to medium	0.104	35	2,632	4.40%	34	717	4.42%	37	2,132	4.47%	36	5,481	4.43%
Diabetes, type 1	0.803	19	838	1.40%	25	187	1.15%	16	714	1.50%	19	1,739	1.40%
Diabetes, type 2	0.389	3	9,923	16.58%	5	2,017	12.45%	4	7,228	15.15%	4	19,168	15.48%
Eye, low	0.202	39	744	1.24%	40	195	1.20%	41	476	1.00%	40	1,415	1.14%
Eye, very low	0.109	23	5,705	9.53%	31	909	5.61%	26	3,237	6.78%	26	9,851	7.96%
Gastro, medium to high	0.420	9	3,012	5.03%	8	811	5.00%	9	2,194	4.60%	9	6,017	4.86%
Gastro, low	0.097	11	10,634	17.66%	13	2,244	13.85%	13	7,851	16.45%	11	20,729	16.74%
Genital, extra low	0.057	41	2,111	3.53%	42	507	3.13%	40	1,686	3.53%	41	4,304	3.48%
Hematological, extra high	5.677	47	12	0.02%	45	4	0.02%	35	42	0.09%	38	58	0.05%
Hematological, medium to very high	0.620	14	1,347	2.25%	21	254	1.57%	14	1,005	2.11%	14	2,606	2.11%
Hematological, low	0.169	38	945	1.58%	38	286	1.76%	38	627	1.31%	39	1,858	1.50%
Infectious, high to very high	1.205	6	2,049	3.42%	7	492	3.04%	6	1,808	3.79%	6	4,349	3.51%
Infectious, medium	0.262	33	1,369	2.29%	28	423	2.61%	34	971	2.03%	32	2,763	2.23%
Metabolic, high	0.526	12	1,793	3.00%	15	400	2.47%	10	1,559	3.27%	12	3,752	3.03%
Metabolic, medium	0.097	29	4,232	7.07%	32	1,003	6.19%	31	3,094	6.48%	31	8,329	6.73%
Pregnancy, incomplete	0.477	45	179	0.30%	46	47	0.29%	47	98	0.21%	46	324	0.26%
Psychiatric, high	0.938	1	5,482	9.16%	2	1,256	7.75%	1	4,197	8.79%	1	10,935	8.83%
Psychiatric, medium	0.408	28	1,092	1.82%	27	328	2.02%	30	756	1.58%	28	2,176	1.76%
Psychiatric, low	0.198	2	23,196	38.75%	1	6,140	37.88%	2	18,317	38.38%	2	47,653	38.49%
Pulmonary, very high	0.678	15	1,151	1.92%	14	312	1.93%	19	800	1.68%	15	2,263	1.83%
Pulmonary, high	0.507	40	242	0.40%	37	105	0.65%	44	135	0.28%	42	482	0.39%
Pulmonary, medium	0.348	17	2,020	3.37%	11	684	4.22%	20	1,508	3.16%	17	4,212	3.40%
Pulmonary, low	0.141	10	8,958	14.96%	9	2,267	13.99%	8	6,807	14.26%	8	18,032	14.57%
Rare Diseases	3.420	36	72	0.12%	39	12	0.07%	32	84	0.18%	35	168	0.14%
Renal, extra high	2.509	8	548	0.92%	12	89	0.55%	11	309	0.65%	10	946	0.76%
Renal, medium	0.278	21	2,281	3.81%	20	628	3.87%	22	1,857	3.89%	21	4,766	3.85%
Renal, low	0.132	34	2,627	4.39%	33	579	3.57%	33	1,936	4.06%	34	5,142	4.15%
Skeletal, medium	0.267	4	14,112	23.57%	3	3,278	20.23%	3	11,262	23.60%	3	28,652	23.14%
Skeletal, very low to low	0.093	27	5,218	8.72%	29	1,170	7.22%	27	3,761	7.88%	27	10,149	8.20%
Skin, very low to high	0.081	32	4,689	7.83%	30	1,306	8.06%	28	4,025	8.43%	30	10,020	8.09%
Substance abuse, very low to low	0.138	20	4,863	8.12%	16	1,446	8.92%	18	4,104	8.60%	18	10,413	8.41%
Disabled Children Add-On - CNS, high	0.420	43	241	0.40%	48	26	0.16%	45	146	0.31%	45	413	0.33%
Disabled Children Add-On - Diabetes, type 1	0.418	46	171	0.29%	47	31	0.19%	46	138	0.29%	47	340	0.27%
Disabled Children Add-On - Gastro, high	0.766	31	499	0.83%	22	200	1.23%	29	410	0.86%	29	1,109	0.90%
Disabled Children Add-On - Metabolic, high	0.192	44	489	0.82%	44	136	0.84%	44	375	0.79%	44	1,000	0.81%
Disabled Children Add-On - Metabolic, medium	0.218	48	235	0.39%	43	131	0.81%	48	109	0.23%	48	475	0.38%
Disabled Children Add-On - Pulmonary, very hig	0.579	37	294	0.49%	36	104	0.64%	39	178	0.37%	37	576	0.47%
Population Statistics													
No Classified Disease Categories	N/A	N/A	6,158	10.29%	N/A	1,761	10.87%	N/A	5,015	10.51%	N/A	12,934	10.45%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.082	N/A	170	11.32%	N/A	196	19.37%	N/A	197	12.93%	N/A	563	13.94%
Age 5 to 14 Male	0.593	N/A	102	6.79%	N/A	78	7.71%	N/A	107	7.02%	N/A	287	7.11%
Age 5 to 14 Female	0.696	N/A	42	2.80%	N/A	45	4.45%	N/A	73	4.79%	N/A	160	3.96%
Age 15 to 24 Male	0.517	N/A	108	7.19%	N/A	27	2.67%	N/A	105	6.89%	N/A	240	5.94%
Age 15 to 24 Female	0.735	N/A	58	3.86%	N/A	31	3.06%	N/A	60	3.94%	N/A	149	3.69%
Age 25 to 44 Male	0.938	N/A	157	10.45%	N/A	94	9.29%	N/A	135	8.86%	N/A	386	9.56%
Age 25 to 44 Female	1.133	N/A	122	8.12%	N/A	78	7.71%	N/A	106	6.96%	N/A	306	7.69%
Age 45 and Older Male	1.163	N/A	384	25.57%	N/A	232	22.92%	N/A	384	25.20%	N/A	1,000	24.76%
Age 45 and Older Female	1.344	N/A	359	23.90%	N/A	231	22.83%	N/A	357	23.43%	N/A	947	23.45%
Risk Adjustment Results													
Scored Members													
Member Months			59,864			16,207			47,725			123,796	
Unadjusted Plan Factor			1.020			0.966			1.004			1.007	
Budget Neutral Plan Factor			1.014			0.959			0.997			1.000	
Unscored Members													
Member Months			1,502			1,012			1,524			4,038	
Unadjusted Plan Factor			1.056			1.070			1.049			1.057	
Budget Neutral Plan Factor			0.999			1.012			0.992			1.000	
Total Members													
Member Months			61,366			17,219			49,249			127,834	
Unadjusted Plan Factor			1.022			0.970			1.005			1.008	
Budget Neutral Plan Factor			1.013			0.962			0.997			1.000	

Demographic Categories	Risk Weight	Unscored Members											
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Age 1 to 4	1.082	N/A	128	8.79%	N/A	140	11.44%	N/A	213	11.93%	N/A	481	10.77%
Age 5 to 14 Male	0.593	N/A	106	7.28%	N/A	88	7.19%	N/A	138	7.73%	N/A	332	7.44%
Age 5 to 14 Female	0.696	N/A	44	3.02%	N/A	47	3.84%	N/A	71	3.98%	N/A	162	3.63%
Age 15 to 24 Male	0.517	N/A	93	6.39%	N/A	86	7.03%	N/A	69	3.87%	N/A	248	5.55%
Age 15 to 24 Female	0.515	N/A	49	3.30%	N/A	48	5.07%	N/A	70	3.92%	N/A	190	4.03%
Age 25 to 44 Male	0.938	N/A	124	8.52%	N/A	140	11.44%	N/A	154	8.63%	N/A	418	9.36%
Age 25 to 44 Female	1.133	N/A	123	9.13%	N/A	99	8.09%	N/A	196	10.98%	N/A	428	9.59%
Age 45 and Older Male	1.163	N/A	358	24.59%	N/A	316	25.82%	N/A	472	26.44%	N/A	1,146	25.67%
Age 45 and Older Female	1.344	N/A	422	28.98%	N/A	246	20.10%	N/A	402	22.52%	N/A	1,070	23.96%

	Risk Adjustment Results			
	Magnolia	Molina	United	Total
Scored Members				
Member Months	41,200	13,424	42,918	97,542
Unadjusted Plan Factor	1.046	1.006	1.025	1.031
Budget Neutral Plan Factor	1.014	0.975	0.994	1.000
Unscored Members				
Member Months	1,456	1,224	1,785	4,465
Unadjusted Plan Factor	1.075	1.036	1.067	1.061
Budget Neutral Plan Factor	1.013	0.976	1.005	1.000
Total Members				
Member Months	42,656	14,648	44,703	102,007
Unadjusted Plan Factor	1.047	1.007	1.027	1.033
Budget Neutral Plan Factor	1.014	0.975	0.995	1.000

Exhibit 3D Mississippi Division of Medicaid Risk Adjustment Results MA Adult - North Region - 01 to 02 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period																	
Scored Members																	
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months				
Regression Intercept	0.119	N/A	N/A	30,615	100.00%	N/A	N/A	19,518	100.00%	N/A	N/A	28,266	100.00%	N/A	N/A	78,399	100.00%
Demographic Categories																	
Age 19 to 24 Male	0.000	N/A	N/A	92	0.30%	N/A	N/A	47	0.24%	N/A	N/A	98	0.35%	N/A	N/A	237	0.30%
Age 19 to 24 Female	0.284	N/A	N/A	2,588	8.45%	N/A	N/A	2,223	11.39%	N/A	N/A	2,742	9.70%	N/A	N/A	7,553	9.63%
Age 25 to 44 Male	0.101	N/A	N/A	1,502	4.91%	N/A	N/A	911	4.67%	N/A	N/A	1,562	5.53%	N/A	N/A	3,975	5.07%
Age 25 to 44 Female	0.265	N/A	N/A	23,106	75.47%	N/A	N/A	14,772	75.88%	N/A	N/A	20,917	74.00%	N/A	N/A	58,795	74.99%
Age 45 and Older Male	0.229	N/A	N/A	551	1.80%	N/A	N/A	317	1.62%	N/A	N/A	488	1.73%	N/A	N/A	1,356	1.73%
Age 45 and Older Female	0.323	N/A	N/A	2,776	9.07%	N/A	N/A	1,248	6.39%	N/A	N/A	2,459	8.70%	N/A	N/A	6,483	8.27%
Non-Utilizer Category																	
No Base Period Medical Utilization	(0.119)	N/A	N/A	2,242	7.32%	N/A	N/A	1,734	8.88%	N/A	N/A	2,271	8.03%	N/A	N/A	6,247	7.97%
Disease Categories																	
Cancer, very high	3.548	32	13	0.04%	30	10	0.05%	29	18	0.06%	30	41	0.05%	30	41	0.05%	
Cancer, high	1.726	23	99	0.32%	24	36	0.18%	23	85	0.30%	23	220	0.28%	23	220	0.28%	
Cancer, medium	0.757	22	237	0.77%	22	109	0.56%	22	207	0.73%	21	553	0.71%	21	553	0.71%	
Cancer, low	0.624	31	82	0.27%	32	25	0.13%	31	79	0.28%	31	186	0.24%	31	186	0.24%	
Cardiovascular, very high	1.451	34	24	0.08%	31	23	0.12%	35	10	0.04%	34	57	0.07%	34	57	0.07%	
Cardiovascular, medium	0.397	10	1,361	4.45%	12	752	3.85%	11	1,208	4.27%	11	3,321	4.24%	11	3,321	4.24%	
Cardiovascular, low	0.366	15	901	2.94%	14	573	2.94%	14	946	3.35%	14	2,420	3.09%	14	2,420	3.09%	
Cardiovascular, extra low	0.113	5	8,546	27.91%	5	4,542	23.27%	5	7,108	25.15%	5	20,196	25.76%	5	20,196	25.76%	
CNS, high	1.356	21	141	0.46%	27	40	0.20%	26	88	0.31%	24	269	0.34%	24	269	0.34%	
CNS, low to medium	0.333	8	1,868	6.10%	10	999	5.12%	9	1,678	5.94%	9	4,545	5.80%	9	4,545	5.80%	
Diabetes, type 1	1.962	12	250	0.82%	11	156	0.80%	12	235	0.83%	12	641	0.82%	12	641	0.82%	
Diabetes, type 2	0.761	3	3,014	9.84%	3	1,510	7.74%	3	2,625	9.29%	3	7,149	9.12%	3	7,149	9.12%	
Eye, low	0.365	33	114	0.37%	33	42	0.22%	32	111	0.39%	32	267	0.34%	32	267	0.34%	
Eye, very low	0.242	28	431	1.41%	28	191	0.98%	28	338	1.20%	28	960	1.22%	28	960	1.22%	
Gastro, high	1.218	30	44	0.14%	34	8	0.04%	33	27	0.10%	33	79	0.10%	33	79	0.10%	
Gastro, medium	0.725	16	423	1.38%	16	259	1.33%	16	415	1.47%	16	1,097	1.40%	16	1,097	1.40%	
Gastro, low	0.196	6	4,312	14.08%	8	2,087	10.69%	6	3,588	12.69%	6	9,987	12.74%	6	9,987	12.74%	
Genital, extra low	0.120	17	2,157	7.05%	18	1,271	6.51%	18	1,888	6.68%	18	5,316	6.78%	18	5,316	6.78%	
Infectious, high to very high	1.283	11	416	1.36%	9	264	1.35%	10	388	1.37%	10	1,068	1.36%	10	1,068	1.36%	
Infectious, low to medium	0.285	20	671	2.19%	21	300	1.54%	20	605	2.14%	20	1,576	2.01%	20	1,576	2.01%	
Metabolic, high	0.918	18	262	0.86%	17	172	0.88%	15	339	1.20%	17	773	0.99%	17	773	0.99%	
Pregnancy, complete	0.141	9	4,049	13.23%	7	3,036	15.55%	8	4,065	14.38%	8	11,150	14.22%	8	11,150	14.22%	
Pregnancy, incomplete	1.061	4	1,134	3.70%	4	724	3.71%	4	1,045	3.70%	4	2,903	3.70%	4	2,903	3.70%	
Psychiatric, high	0.980	19	223	0.73%	19	117	0.60%	19	183	0.65%	19	523	0.67%	19	523	0.67%	
Psychiatric, medium	0.560	25	257	0.84%	20	198	1.01%	21	281	0.99%	22	736	0.94%	22	736	0.94%	
Psychiatric, low	0.325	2	7,349	24.00%	2	4,722	24.19%	2	7,378	26.10%	2	19,449	24.81%	2	19,449	24.81%	
Pulmonary, very high	0.412	35	16	0.05%	35	22	0.11%	34	42	0.15%	35	80	0.10%	35	80	0.10%	
Pulmonary, low to medium	0.250	7	3,121	10.19%	6	1,715	8.79%	7	2,553	9.03%	7	7,389	9.42%	7	7,389	9.42%	
Rare Diseases	3.615	37	0	0.00%	37	0	0.00%	37	0	0.00%	37	0	0.00%	37	0	0.00%	
Renal, extra high	1.050	36	6	0.02%	36	6	0.03%	36	9	0.03%	36	21	0.03%	36	21	0.03%	
Renal, medium	0.593	26	208	0.68%	25	100	0.51%	27	183	0.65%	27	491	0.63%	27	491	0.63%	
Renal, low	0.337	24	496	1.62%	26	173	0.89%	24	400	1.42%	25	1,069	1.36%	25	1,069	1.36%	
Skeletal, medium	0.368	1	10,117	33.05%	1	5,632	28.86%	1	9,117	32.25%	1	24,866	31.72%	1	24,866	31.72%	
Skeletal, very low to low	0.101	27	1,172	3.83%	23	767	3.93%	25	1,212	4.29%	26	3,151	4.02%	26	3,151	4.02%	
Skin, low to high	0.747	29	99	0.32%	29	58	0.30%	30	73	0.26%	29	230	0.29%	29	230	0.29%	
Skin, very low	0.172	14	1,990	6.50%	15	1,214	6.22%	17	1,690	5.98%	15	4,894	6.24%	15	4,894	6.24%	
Substance abuse, low	0.409	13	1,114	3.64%	13	691	3.54%	13	1,021	3.61%	13	2,826	3.60%	13	2,826	3.60%	
Population Statistics																	
No Classified Disease Categories	N/A	N/A	N/A	5,695	18.60%	N/A	N/A	3,898	19.97%	N/A	N/A	5,204	18.41%	N/A	N/A	14,797	18.87%
Unscored Members																	
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months				
Demographic Categories																	
Age 19 to 24 Male	0.449	N/A	N/A	79	2.40%	N/A	N/A	46	1.72%	N/A	N/A	41	1.24%	N/A	N/A	166	1.79%
Age 19 to 24 Female	0.880	N/A	N/A	179	5.43%	N/A	N/A	172	6.44%	N/A	N/A	191	5.75%	N/A	N/A	542	5.84%
Age 25 to 44 Male	0.697	N/A	N/A	455	13.80%	N/A	N/A	466	17.45%	N/A	N/A	519	15.64%	N/A	N/A	1,440	15.51%
Age 25 to 44 Female	0.990	N/A	N/A	2,112	64.06%	N/A	N/A	1,658	62.10%	N/A	N/A	2,152	64.84%	N/A	N/A	5,922	63.77%
Age 45 and Older Male	1.137	N/A	N/A	134	4.06%	N/A	N/A	102	3.82%	N/A	N/A	137	4.13%	N/A	N/A	373	4.02%
Age 45 and Older Female	1.375	N/A	N/A	338	10.25%	N/A	N/A	226	8.46%	N/A	N/A	279	8.41%	N/A	N/A	843	9.08%
Risk Adjustment Results																	
Scored Members																	
Member Months			30,615			19,518			28,266			78,399					
Unadjusted Plan Factor			0.987			0.918			0.977			0.966					
Budget Neutral Plan Factor			1.022			0.951			1.011			1.000					
Unscored Members																	
Member Months			3,297			2,670			3,319			9,286					
Unadjusted Plan Factor			0.976			0.961			0.970			0.969					
Budget Neutral Plan Factor			1.007			0.991			1.000			1.000					
Total Members																	
Member Months			33,912			22,188			31,585			87,685					
Unadjusted Plan Factor			0.986			0.923			0.976			0.966					
Budget Neutral Plan Factor			1.020			0.955			1.010			1.000					

Demographic Categories	Risk Weight	Unscored Members												Total	
		Magnolia			Molina			United							
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months		
Age 19 to 24 Male	0.449	N/A	37	1.10%	N/A	38	1.49%	N/A	38	1.16%	N/A	113	1.23%		
Age 19 to 24 Female	0.880	N/A	165	4.91%	N/A	252	9.90%	N/A	219	6.69%	N/A	636	6.93%		
Age 25 to 44 Male	0.697	N/A	526	15.65%	N/A	316	12.41%	N/A	398	12.15%	N/A	1,240	13.50%		
Age 25 to 44 Female	0.990	N/A	2,156	64.13%	N/A	1,679	65.95%	N/A	2,085	63.66%	N/A	5,920	64.47%		
Age 45 and Older Male	1.137	N/A	136	4.05%	N/A	136	5.34%	N/A	195	5.95%	N/A	416	4.53%		
Age 45 and Older Female	1.375	N/A	342	10.17%	N/A	176	6.91%	N/A	340	10.38%	N/A	858	9.34%		

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	34,332	24,638	32,340	91,310
Unadjusted Plan Factor	0.988	0.935	0.983	0.972
Budget Neutral Plan Factor	1.017	0.962	1.011	1.000
Unscored Members				
Member Months	3,362	2,546	3,275	9,183
Unadjusted Plan Factor	0.978	0.966	0.989	0.979
Budget Neutral Plan Factor	0.999	0.987	1.011	1.000
Total Members				
Member Months	37,694	27,184	35,615	100,493
Unadjusted Plan Factor	0.987	0.938	0.983	0.972
Budget Neutral Plan Factor	1.015	0.964	1.011	1.000

Exhibit 3F Mississippi Division of Medicaid Risk Adjustment Results MA Adult - South Region - 01 to 02 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period														
Scored Members														
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months	
Regression Intercept	0.119	N/A		33,806	100.00%	N/A	27,117	100.00%	N/A	40,129	100.00%	N/A	101,052	100.00%
Demographic Categories														
Age 19 to 24 Male	0.000	N/A	65	0.19%	N/A	99	0.37%	N/A	72	0.18%	N/A	236	0.23%	
Age 19 to 24 Female	0.284	N/A	2,674	7.91%	N/A	2,444	9.01%	N/A	3,194	7.96%	N/A	8,312	8.23%	
Age 25 to 44 Male	0.101	N/A	2,236	6.61%	N/A	1,758	6.48%	N/A	2,703	6.74%	N/A	6,697	6.63%	
Age 25 to 44 Female	0.265	N/A	24,518	72.53%	N/A	19,875	73.29%	N/A	28,665	71.43%	N/A	73,058	72.30%	
Age 45 and Older Male	0.229	N/A	871	2.58%	N/A	697	2.57%	N/A	1,271	3.17%	N/A	2,839	2.81%	
Age 45 and Older Female	0.323	N/A	3,442	10.18%	N/A	2,244	8.28%	N/A	4,224	10.53%	N/A	9,910	9.81%	
Duration Categories														
No Base Period Medical Utilization	(0.119)	N/A	2,640	7.81%	N/A	2,628	9.69%	N/A	3,156	7.86%	N/A	8,424	8.34%	
Disease Categories														
Cancer, very high	3.548	32	20	0.06%	32	16	0.06%	33	29	0.07%	32	65	0.06%	
Cancer, high	1.726	28	83	0.25%	26	55	0.20%	26	128	0.32%	26	266	0.26%	
Cancer, medium	0.757	26	211	0.62%	22	210	0.77%	25	325	0.81%	24	746	0.74%	
Cancer, low	0.624	30	196	0.58%	29	114	0.42%	31	172	0.43%	30	482	0.48%	
Cardiovascular, very high	1.451	36	19	0.06%	35	18	0.07%	34	50	0.12%	34	87	0.09%	
Cardiovascular, medium	0.397	13	1,610	4.76%	12	1,112	4.10%	12	1,789	4.46%	12	4,511	4.46%	
Cardiovascular, low	0.366	16	1,201	3.55%	13	1,060	3.91%	15	1,715	4.27%	15	3,976	3.93%	
Cardiovascular, extra low	0.113	6	8,483	25.09%	5	5,845	21.55%	5	10,397	25.91%	5	24,725	24.47%	
CNS, high	1.356	29	100	0.30%	25	91	0.34%	24	189	0.47%	25	380	0.38%	
CNS, low to medium	0.333	7	2,601	7.69%	9	1,781	6.57%	7	3,344	8.33%	7	7,726	7.69%	
Diabetes, type 1	1.962	10	391	1.16%	15	191	0.69%	13	510	1.26%	11	915	0.91%	
Diabetes, type 2	0.761	3	2,967	8.78%	3	1,942	7.16%	3	3,630	9.05%	3	8,539	8.45%	
Eye, low	0.365	31	198	0.59%	30	191	0.70%	30	307	0.77%	31	696	0.69%	
Eye, very low	0.242	27	614	1.82%	27	338	1.25%	29	514	1.28%	29	1,466	1.45%	
Gastro, high	1.218	24	143	0.42%	31	57	0.21%	28	117	0.29%	28	317	0.31%	
Gastro, medium	0.725	11	952	2.82%	10	735	2.71%	10	1,116	2.78%	10	2,803	2.77%	
Gastro, low	0.196	5	4,990	14.76%	7	3,237	11.94%	6	5,793	14.44%	6	14,020	13.87%	
Genital, extra low	0.120	19	2,405	7.11%	18	1,752	6.46%	19	2,674	6.66%	20	6,831	6.76%	
Infectious, high to very high	1.283	12	525	1.55%	14	269	0.99%	11	572	1.43%	13	1,366	1.35%	
Infectious, low to medium	0.285	22	867	2.56%	21	639	2.36%	22	1,038	2.59%	21	2,544	2.52%	
Metabolic, high	0.918	15	571	1.69%	17	351	1.29%	17	503	1.25%	16	1,425	1.41%	
Pregnancy, complete	0.141	14	4,069	12.04%	11	3,741	13.80%	14	4,521	11.27%	14	12,331	12.20%	
Pregnancy, incomplete	1.061	4	1,291	3.82%	4	1,128	4.16%	4	1,311	3.27%	4	3,730	3.69%	
Psychiatric, high	0.980	20	291	0.86%	20	200	0.74%	18	445	1.11%	18	936	0.93%	
Psychiatric, medium	0.560	18	536	1.59%	19	375	1.38%	20	571	1.42%	19	1,482	1.47%	
Psychiatric, low	0.325	1	10,422	30.83%	1	8,511	31.39%	1	13,854	34.52%	1	32,787	32.45%	
Pulmonary, very high	0.412	35	87	0.26%	36	39	0.14%	35	119	0.30%	36	245	0.24%	
Pulmonary, low to medium	0.250	8	3,259	9.64%	8	2,477	9.13%	9	4,008	9.99%	9	9,744	9.64%	
Rare Diseases	3.615	34	12	0.04%	36	15	0.06%	36	6	0.01%	35	33	0.03%	
Renal, extra high	1.050	37	0	0.00%	37	6	0.02%	37	11	0.03%	37	17	0.02%	
Renal, medium	0.593	25	289	0.85%	28	135	0.50%	27	325	0.81%	27	749	0.74%	
Renal, low	0.337	21	778	2.30%	23	441	1.63%	21	912	2.27%	22	2,131	2.11%	
Skeletal, medium	0.368	2	8,805	26.05%	2	5,987	22.08%	2	10,442	26.02%	2	25,234	24.97%	
Skeletal, very low to low	0.101	23	2,211	6.54%	24	1,372	5.06%	23	2,782	6.93%	23	6,365	6.30%	
Skin, low to high	0.747	33	91	0.27%	34	67	0.25%	32	141	0.35%	33	299	0.30%	
Skin, very low	0.172	17	2,480	7.34%	16	1,895	6.99%	16	2,963	7.38%	17	7,338	7.26%	
Substance abuse, low	0.409	9	1,990	5.89%	6	1,580	5.83%	8	2,535	6.32%	8	6,105	6.04%	
Population Statistics														
No Classified Disease Categories	N/A	N/A	6,211	18.37%	N/A	5,408	19.94%	N/A	7,064	17.60%	N/A	18,683	18.49%	
Unscored Members														
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories														
Age 19 to 24 Male	0.449	N/A	32	0.88%	N/A	51	1.56%	N/A	62	1.55%	N/A	145	1.33%	
Age 19 to 24 Female	0.880	N/A	398	10.92%	N/A	351	10.73%	N/A	324	8.12%	N/A	1,073	9.84%	
Age 25 to 44 Male	0.697	N/A	536	14.71%	N/A	482	14.74%	N/A	654	16.39%	N/A	1,672	15.33%	
Age 25 to 44 Female	0.990	N/A	2,186	59.97%	N/A	1,983	60.62%	N/A	2,369	59.36%	N/A	6,538	59.94%	
Age 45 and Older Male	1.137	N/A	185	5.08%	N/A	143	4.37%	N/A	205	5.14%	N/A	533	4.89%	
Age 45 and Older Female	1.375	N/A	308	8.45%	N/A	261	7.98%	N/A	377	9.45%	N/A	946	8.67%	
Risk Adjustment Results														
			Magnolia		Molina			United				Total		
Scored Members			33,806		27,117			40,129				101,052		
Member Months														
Unadjusted Plan Factor			1.032		0.958			1.030				1.015		
Budget Neutral Plan Factor			1.017		0.944			1.024				1.000		
Unscored Members														
Member Months			3,645		3,271			3,991				10,907		
Unadjusted Plan Factor			0.970		0.964			0.968				0.968		
Budget Neutral Plan Factor			1.003		0.996			1.001				1.000		
Total Members														
Member Months			37,451		30,388			44,120				111,959		
Unadjusted Plan Factor			1.026		0.960			1.032				1.011		
Budget Neutral Plan Factor			1.015		0.950			1.021				1.000		

Exhibit 3G Mississippi Division of Medicaid Risk Adjustment Results MA Children - North Region - Q1 to Q2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period									
Scored Members									
Risk Weight	Magnolia			Molina			United		
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	Total Member Months
Regression Intercept	0.554	N/A	166,468	100.00%	N/A	88,936	100.00%	N/A	156,046
Demographic Categories									
Age 1 to 4	0.123	N/A	36,674	22.03%	N/A	28,959	32.56%	N/A	36,542
Age 5 to 14 Male	0.048	N/A	45,579	27.38%	N/A	22,304	25.08%	N/A	41,674
Age 5 to 14 Female	0.103	N/A	47,010	28.24%	N/A	23,156	26.04%	N/A	43,236
Age 15 to 18 Male	0.000	N/A	18,170	10.92%	N/A	7,079	7.96%	N/A	16,914
Age 15 to 18 Female	0.270	N/A	19,035	11.43%	N/A	7,438	8.36%	N/A	17,680
Non-Utilizer Category									
No Base Period Medical Utilization	(0.370)	N/A	9,085	5.46%	N/A	6,419	7.22%	N/A	8,539
Homelessness Category									
Homelessness	2.375	N/A	0	0.00%	N/A	12	0.01%	N/A	12
Disease Categories									
Cancer, very high	5.506	42	0	0.00%	39	1	0.00%	41	1
Cancer, medium to high	3.976	15	189	0.11%	15	92	0.10%	13	221
Cardiovascular, very high	2.740	38	22	0.01%	38	24	0.01%	38	42
Cardiovascular, medium	0.462	22	861	0.52%	20	529	0.59%	21	890
Cardiovascular, low	0.450	11	2,029	1.22%	10	1,258	1.41%	12	2,122
Cardiovascular, extra low	0.259	21	1,634	0.98%	24	623	0.70%	23	1,463
Cerebrovascular, medium	1.635	39	13	0.01%	41	0	0.00%	40	6
CNS, high	2.669	37	24	0.01%	32	24	0.03%	32	61
CNS, medium	0.897	33	148	0.09%	33	64	0.07%	33	179
CNS, low	0.706	5	2,552	1.53%	5	1,493	1.68%	5	2,594
DD, low to medium	1.626	23	231	0.14%	26	97	0.11%	19	256
Diabetes, type 1	4.912	6	325	0.20%	11	110	0.12%	6	373
Diabetes, type 2	1.003	24	352	0.21%	28	95	0.11%	27	264
Eye, very low to extra low	0.287	27	1,014	0.61%	25	556	0.63%	26	980
Gastro, high	4.078	25	81	0.05%	18	73	0.08%	22	99
Gastro, medium	3.246	13	260	0.16%	12	144	0.16%	15	250
Gastro, low	0.419	4	7,647	4.59%	4	4,366	4.91%	4	7,521
Genital, extra low	0.333	26	916	0.55%	22	518	0.58%	25	907
Hematological, extra high	21.738	17	24	0.01%	31	3	0.00%	16	34
Hematological, very high	2.711	36	34	0.02%	36	13	0.01%	37	16
Hematological, low to medium	0.389	20	1,178	0.71%	19	652	0.73%	20	1,060
Infectious, very high	1.226	41	1	0.00%	37	17	0.02%	39	18
Infectious, high	0.583	31	247	0.15%	30	147	0.17%	34	275
Metabolic, high	1.437	12	624	0.37%	13	269	0.30%	10	715
Metabolic, medium	0.673	28	398	0.24%	21	311	0.35%	29	349
Pregnancy, complete	0.379	34	330	0.20%	34	129	0.15%	35	348
Pregnancy, incomplete	3.031	14	270	0.16%	14	121	0.14%	14	275
Psychiatric, high	3.981	32	36	0.02%	40	1	0.00%	28	62
Psychiatric, medium	2.298	9	550	0.33%	9	266	0.30%	11	421
Psychiatric, low	1.069	1	23,426	14.07%	1	10,333	11.62%	1	22,561
Pulmonary, very high	5.225	10	210	0.13%	7	118	0.13%	7	301
Pulmonary, high	0.721	29	307	0.18%	23	226	0.25%	30	306
Pulmonary, medium	0.588	19	802	0.48%	17	512	0.58%	18	832
Pulmonary, low	0.502	3	14,490	8.70%	3	6,335	7.12%	3	13,080
Rare Diseases	19.703	18	24	0.01%	27	6	0.01%	24	18
Renal, extra high	3.719	40	5	0.00%	41	0	0.00%	42	0
Renal, medium	1.263	30	134	0.08%	29	69	0.08%	31	133
Renal, low	0.495	16	1,270	0.76%	16	671	0.75%	17	1,021
Skeletal, medium	0.416	2	21,357	12.83%	2	10,506	11.81%	2	20,730
Skeletal, very low to low	0.284	8	4,490	2.70%	8	2,162	2.43%	8	4,785
Skin, very low to high	0.235	7	6,064	3.64%	6	3,157	3.55%	9	5,597
Substance abuse, very low to low	0.463	35	251	0.15%	35	98	0.11%	36	272
Population Statistics									
No Classified Disease Categories	N/A	N/A	90,408	54.31%	N/A	49,598	55.77%	N/A	83,408
Unscored Members									
Risk Weight	Magnolia			Molina			United		
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	Total Member Months
Demographic Categories									
Age 1 to 4	0.915	N/A	4,704	45.09%	N/A	3,910	46.82%	N/A	4,852
Age 5 to 14 Male	0.978	N/A	2,105	20.18%	N/A	1,537	18.40%	N/A	2,283
Age 5 to 14 Female	0.946	N/A	2,174	20.84%	N/A	1,727	20.68%	N/A	2,164
Age 15 to 18 Male	0.982	N/A	635	6.09%	N/A	584	6.99%	N/A	664
Age 15 to 18 Female	1.381	N/A	814	7.80%	N/A	593	7.10%	N/A	940
Risk Adjustment Results									
Scored Members									
Magnolia									
Member Months		166,468			88,936			156,046	
Unadjusted Plan Factor		1.017			0.966			1.035	
Budget Neutral Plan Factor		1.004			0.954			1.022	
Unscored Members									
Member Months		10,432			8,351			10,903	
Unadjusted Plan Factor		0.975			0.971			0.979	
Budget Neutral Plan Factor		1.000			0.996			1.004	
Total Members									
Member Months		176,900			97,287			166,949	
Unadjusted Plan Factor		1.014			0.967			1.032	
Budget Neutral Plan Factor		1.004			0.957			1.021	

Exhibit 3H Mississippi Division of Medicaid Risk Adjustment Results MA Children - Central Region - 01 to 02 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period															
Scored Members															
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months		
Regression Intercept															
Demographic Categories															
Age 1 to 4	0.123	N/A	N/A	196,629	100.00%	N/A	110,464	100.00%	N/A	180,673	100.00%	N/A	487,766	100.00%	
Age 5 to 14 Male	0.048	N/A	N/A	41,761	21.24%	N/A	35,949	32.54%	N/A	43,885	24.29%	N/A	121,595	24.93%	
Age 5 to 14 Female	0.103	N/A	N/A	53,843	27.38%	N/A	27,305	24.72%	N/A	47,889	26.51%	N/A	129,037	26.45%	
Age 15 to 18 Male	0.000	N/A	N/A	28,199	14.37%	N/A	28,505	25.80%	N/A	49,188	27.22%	N/A	133,114	27.29%	
Age 15 to 18 Female	0.270	N/A	N/A	22,027	11.20%	N/A	9,317	8.43%	N/A	19,307	10.69%	N/A	50,651	10.38%	
Non-Utilizer Category															
No Base Period Medical Utilization	(0.370)	N/A	N/A	23,577	11.99%	N/A	9,388	8.50%	N/A	20,404	11.29%	N/A	53,369	10.94%	
Homelessness Category															
Homelessness	2.375	N/A	N/A	6	0.00%	N/A	0	0.00%	N/A	24	0.01%	N/A	30	0.01%	
Disease Categories															
Cancer, very high	5.506	42	0	0.00%	41	0	0.00%	41	0	0.00%	42	0	0.00%		
Cancer, medium to high	3.976	14	207	0.11%	14	114	0.10%	11	290	0.16%	12	611	0.13%		
Cardiovascular, very high	2.740	38	22	0.01%	39	5	0.00%	36	24	0.01%	38	51	0.01%		
Cardiovascular, medium	0.462	25	870	0.44%	21	445	0.40%	23	897	0.50%	22	2,212	0.45%		
Cardiovascular, low	0.450	10	2,572	1.31%	10	1,588	1.44%	9	2,734	1.51%	10	6,894	1.41%		
Cardiovascular, extra low	0.259	20	1,844	0.94%	26	706	0.64%	19	1,876	1.04%	21	4,426	0.91%		
Cerebrovascular, medium	1.635	39	24	0.01%	37	13	0.01%	40	6	0.00%	39	43	0.01%		
CNS, high	2.669	30	102	0.05%	31	32	0.03%	29	85	0.05%	30	219	0.04%		
CNS, medium	0.897	32	247	0.13%	30	96	0.09%	33	169	0.09%	31	512	0.10%		
CNS, low	0.705	5	3,341	1.70%	5	1,868	1.69%	5	3,177	1.76%	5	8,386	1.72%		
DD, low to medium	1.626	19	331	0.17%	22	123	0.11%	21	266	0.15%	20	720	0.15%		
Diabetes, type 1	4.912	6	422	0.21%	6	189	0.17%	6	448	0.25%	6	1,059	0.22%		
Diabetes, type 2	1.003	23	444	0.23%	27	153	0.14%	22	417	0.23%	23	1,014	0.21%		
Eye, very low to extra low	0.287	22	1,577	0.80%	23	672	0.61%	25	1,228	0.68%	24	3,477	0.71%		
Gastro, high	4.073	21	116	0.06%	20	51	0.05%	18	121	0.07%	19	288	0.06%		
Gastro, medium	3.246	12	298	0.15%	13	146	0.13%	13	328	0.18%	11	772	0.16%		
Gastro, low	0.419	4	9,321	4.74%	4	5,903	5.34%	4	9,418	5.21%	4	24,642	5.05%		
Genital, extra low	0.333	28	1,019	0.52%	19	728	0.66%	26	1,040	0.58%	25	2,787	0.57%		
Hematological, extra high	21.738	27	18	0.01%	35	2	0.00%	24	18	0.01%	27	38	0.01%		
Hematological, very high	2.711	35	47	0.02%	36	14	0.01%	37	13	0.01%	37	74	0.02%		
Hematological, low to medium	0.388	18	1,415	0.72%	17	894	0.80%	20	1,192	0.66%	18	3,491	0.72%		
Infectious, very high	1.226	41	12	0.01%	40	11	0.01%	39	12	0.01%	41	35	0.01%		
Infectious, high	0.583	36	181	0.09%	34	102	0.09%	34	191	0.11%	35	474	0.10%		
Metabolic, high	1.437	11	708	0.36%	11	367	0.33%	14	603	0.33%	13	1,678	0.34%		
Metabolic, medium	0.673	26	592	0.30%	25	276	0.25%	28	473	0.26%	26	1,341	0.27%		
Pregnancy, complete	0.379	33	536	0.27%	29	240	0.22%	32	403	0.22%	32	1,179	0.24%		
Pregnancy, incomplete	3.031	13	272	0.14%	18	95	0.09%	15	255	0.14%	15	622	0.13%		
Psychiatric, high	3.981	29	78	0.04%	28	34	0.03%	27	86	0.05%	28	198	0.04%		
Psychiatric, medium	2.298	7	731	0.37%	9	359	0.32%	10	514	0.28%	9	1,604	0.33%		
Psychiatric, low	1.069	1	28,533	14.51%	1	11,691	10.58%	1	25,380	14.05%	1	65,604	13.45%		
Pulmonary, very high	5.225	15	154	0.08%	12	94	0.09%	12	209	0.12%	14	457	0.09%		
Pulmonary, high	0.721	31	315	0.16%	24	262	0.24%	31	236	0.13%	29	813	0.17%		
Pulmonary, medium	0.588	17	1,153	0.59%	15	756	0.68%	17	1,054	0.58%	17	2,963	0.61%		
Pulmonary, low	0.502	2	17,011	8.65%	3	8,373	7.58%	3	15,975	8.84%	3	41,359	8.48%		
Rare Diseases	19.703	24	22	0.01%	41	0	0.00%	41	0	0.00%	34	22	0.00%		
Renal, extra high	3.719	40	6	0.00%	38	5	0.00%	38	6	0.00%	40	17	0.00%		
Renal, medium	1.263	37	70	0.04%	32	60	0.05%	35	56	0.03%	36	186	0.04%		
Renal, low	0.495	16	1,562	0.79%	16	765	0.69%	16	1,375	0.76%	16	3,702	0.76%		
Skeletal, medium	0.416	3	19,399	9.87%	2	11,267	10.20%	2	20,346	11.26%	2	51,012	10.46%		
Skeletal, very low to low	0.284	8	5,848	2.97%	8	2,926	2.65%	8	5,179	2.87%	8	13,953	2.86%		
Skin, very low to high	0.235	9	6,800	3.46%	7	3,765	3.41%	7	6,360	3.52%	7	16,925	3.47%		
Substance abuse, very low to low	0.463	34	403	0.20%	33	149	0.13%	30	408	0.23%	33	960	0.20%		
Population Statistics															
No Classified Disease Categories	N/A	N/A	N/A	109,047	55.46%	N/A	62,562	56.64%	N/A	99,230	54.92%	N/A	270,839	55.53%	
Unscored Members															
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months		
Demographic Categories															
Age 1 to 4	0.915	N/A	N/A	5,394	52.71%	N/A	4,665	52.13%	N/A	5,382	48.52%	N/A	15,441	51.00%	
Age 5 to 14 Male	0.978	N/A	N/A	1,846	18.04%	N/A	1,590	17.77%	N/A	1,985	17.89%	N/A	5,421	17.91%	
Age 5 to 14 Female	0.946	N/A	N/A	1,777	17.37%	N/A	1,626	18.17%	N/A	2,210	19.92%	N/A	5,613	18.54%	
Age 15 to 18 Male	0.982	N/A	N/A	446	4.36%	N/A	539	6.02%	N/A	690	6.22%	N/A	1,675	5.53%	
Age 15 to 18 Female	1.381	N/A	N/A	770	7.52%	N/A	529	5.91%	N/A	826	7.45%	N/A	2,125	7.02%	
Risk Adjustment Results															
Magnolia				Molina			United			Total					
Member Months				196,629			110,464			180,673			487,766		
Unadjusted Plan Factor				1.011			0.947			1.018			0.999		
Budget Neutral Plan Factor				1.012			0.948			1.019			1.000		
Unscored Members															
Member Months				10,233			8,949			11,093			30,275		
Unadjusted Plan Factor				0.970			0.964			0.972			0.969		
Budget Neutral Plan Factor				1.001			0.995			1.003			1.000		
Total Members															
Member Months				206,862			119,413			191,766			518,041		
Unadjusted Plan Factor				1.009			0.949			1.016			0.998		
Budget Neutral Plan Factor				1.011			0.951			1.018			1.000		

Exhibit 3I Mississippi Division of Medicaid Risk Adjustment Results MA Children - South Region - Q1 to Q2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period															
Scored Members															
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months		
Regression Intercept	0.554	N/A	169,067	100.00%	N/A	105,596	100.00%	N/A	182,674	100.00%	N/A	457,337	100.00%		
Demographic Categories															
Age 1 to 4	0.123	N/A	34,013	20.12%	N/A	33,890	32.09%	N/A	38,756	21.22%	N/A	106,659	23.32%		
Age 5 to 14 Male	0.048	N/A	48,004	28.39%	N/A	26,805	25.38%	N/A	50,532	27.66%	N/A	125,341	27.41%		
Age 5 to 14 Female	0.103	N/A	48,634	28.77%	N/A	26,527	25.12%	N/A	51,489	28.19%	N/A	126,650	27.69%		
Age 15 to 18 Male	0.000	N/A	18,728	11.08%	N/A	9,271	8.78%	N/A	20,583	11.27%	N/A	48,582	10.62%		
Age 15 to 18 Female	0.270	N/A	19,688	11.65%	N/A	9,103	8.62%	N/A	21,314	11.67%	N/A	50,105	10.96%		
Non-Utilizer Category															
No Base Period Medical Utilization	(0.370)	N/A	9,747	5.77%	N/A	8,143	7.71%	N/A	10,023	5.49%	N/A	27,913	6.10%		
Homelessness Category															
Homelessness	2.375	N/A	16	0.01%	N/A	0	0.00%	N/A	5	0.00%	N/A	21	0.00%		
Disease Categories															
Cancer, very high	5.506	41	0	0.00%	40	0	0.00%	39	11	0.01%	39	11	0.00%		
Cancer, medium to high	3.976	11	211	0.12%	12	149	0.14%	12	262	0.14%	12	622	0.14%		
Cardiovascular, very high	2.740	39	6	0.00%	38	14	0.01%	38	29	0.02%	38	49	0.01%		
Cardiovascular, medium	0.462	21	892	0.53%	27	357	0.34%	23	897	0.49%	23	2,146	0.47%		
Cardiovascular, low	0.450	13	1,804	1.07%	14	1,171	1.11%	13	2,108	1.15%	13	5,083	1.11%		
Cardiovascular, extra low	0.259	23	1,434	0.85%	26	637	0.60%	19	1,917	1.05%	22	3,988	0.87%		
Cerebrovascular, medium	1.635	40	7	0.00%	40	0	0.00%	40	21	0.01%	41	28	0.01%		
CNS, high	2.669	32	59	0.03%	34	32	0.03%	35	46	0.03%	33	137	0.03%		
CNS, medium	0.897	27	283	0.17%	29	162	0.15%	29	270	0.15%	29	715	0.16%		
CNS, low	0.705	9	2,230	1.32%	5	1,576	1.49%	8	2,518	1.38%	8	6,324	1.38%		
DD, low to medium	1.626	24	190	0.11%	25	124	0.12%	22	267	0.15%	24	581	0.13%		
Diabetes, type 1	4.912	6	362	0.21%	8	196	0.19%	5	525	0.29%	5	1,083	0.24%		
Diabetes, type 2	1.003	28	244	0.14%	31	106	0.10%	30	226	0.12%	30	576	0.13%		
Eye, very low to extra low	0.287	26	1,032	0.61%	23	786	0.74%	25	1,278	0.70%	26	3,096	0.68%		
Gastro, high	4.079	20	105	0.06%	18	91	0.09%	20	115	0.06%	20	311	0.07%		
Gastro, medium	3.246	12	258	0.15%	11	215	0.20%	10	360	0.20%	11	833	0.18%		
Gastro, low	0.419	4	10,201	6.03%	4	6,892	6.53%	4	11,593	6.35%	4	28,686	6.27%		
Genital, extra low	0.333	25	908	0.54%	22	686	0.65%	24	1,232	0.67%	25	2,826	0.62%		
Hematological, extra high	21.738	15	26	0.02%	13	25	0.02%	28	12	0.01%	18	63	0.01%		
Hematological, very high	2.711	34	49	0.03%	32	36	0.03%	37	32	0.02%	35	117	0.03%		
Hematological, low to medium	0.388	22	1,024	0.61%	20	816	0.77%	21	1,195	0.65%	21	3,035	0.66%		
Infectious, very high	1.225	38	24	0.01%	39	12	0.01%	42	6	0.00%	40	42	0.01%		
Infectious, high	0.583	35	207	0.12%	33	153	0.14%	33	260	0.14%	34	620	0.14%		
Metabolic, high	1.437	10	632	0.37%	10	497	0.47%	11	779	0.43%	10	1,908	0.42%		
Metabolic, medium	0.673	18	739	0.44%	16	591	0.56%	17	855	0.47%	17	2,185	0.48%		
Pregnancy, complete	0.379	36	267	0.16%	35	171	0.16%	34	343	0.19%	36	781	0.17%		
Pregnancy, incomplete	3.031	16	177	0.10%	24	70	0.07%	18	176	0.10%	19	423	0.09%		
Psychiatric, high	3.981	30	54	0.03%	28	37	0.04%	27	83	0.05%	28	174	0.04%		
Psychiatric, medium	2.298	5	820	0.49%	7	454	0.43%	6	929	0.51%	6	2,203	0.48%		
Psychiatric, low	1.069	1	27,789	16.44%	1	13,885	13.15%	1	31,823	17.42%	1	73,497	16.07%		
Pulmonary, very high	5.225	19	91	0.05%	19	63	0.06%	15	148	0.08%	15	302	0.07%		
Pulmonary, high	0.721	31	260	0.15%	30	192	0.18%	32	225	0.12%	31	677	0.15%		
Pulmonary, medium	0.588	17	895	0.53%	17	654	0.62%	16	1,039	0.57%	16	2,588	0.57%		
Pulmonary, low	0.502	2	14,383	8.51%	2	7,720	7.31%	2	15,551	8.51%	2	37,654	8.23%		
Rare Diseases	19.703	29	12	0.01%	21	13	0.01%	26	17	0.01%	27	42	0.01%		
Renal, extra high	3.719	41	0	0.00%	40	0	0.00%	41	5	0.00%	42	5	0.00%		
Renal, medium	1.263	37	52	0.03%	37	33	0.03%	36	77	0.04%	37	162	0.04%		
Renal, low	0.495	14	1,439	0.85%	15	851	0.81%	14	1,749	0.96%	14	4,039	0.88%		
Skeletal, medium	0.416	3	13,288	7.86%	3	7,599	7.20%	3	15,380	8.42%	3	36,267	7.93%		
Skeletal, very low to low	0.284	8	5,782	3.42%	9	2,920	2.77%	9	6,196	3.39%	9	14,898	3.26%		
Skin, very low to high	0.235	7	7,113	4.21%	6	4,440	4.20%	7	8,024	4.39%	7	19,577	4.28%		
Substance abuse, very low to low	0.463	33	322	0.19%	36	111	0.11%	31	404	0.22%	32	837	0.18%		
Population Statistics															
No Classified Disease Categories	N/A	N/A	91,784	54.29%	N/A	58,922	55.80%	N/A	97,746	53.51%	N/A	248,452	54.33%		
Unscored Members															
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months		
Demographic Categories															
Age 1 to 4	0.915	N/A	5,039	46.80%	N/A	4,484	47.46%	N/A	5,188	44.74%	N/A	14,711	46.25%		
Age 5 to 14 Male	0.978	N/A	2,260	20.99%	N/A	1,705	18.05%	N/A	2,281	19.67%	N/A	6,246	19.64%		
Age 5 to 14 Female	0.946	N/A	2,212	20.54%	N/A	1,930	20.43%	N/A	2,269	19.57%	N/A	6,411	20.15%		
Age 15 to 18 Male	0.982	N/A	491	4.56%	N/A	685	7.25%	N/A	749	6.46%	N/A	1,925	6.05%		
Age 15 to 18 Female	1.381	N/A	765	7.11%	N/A	644	6.82%	N/A	1,108	9.56%	N/A	2,517	7.91%		
Risk Adjustment Results															
Magnolia				Molina			United			Total					
Member Months				169,067			105,596			182,674			457,337		
Unadjusted Plan Factor				1.025			0.982			1.052			1.026		
Budget Neutral Plan Factor				0.999			0.957			1.026			1.000		
Unscored Members															
Member Months				10,767			9,448			11,595			31,810		
Unadjusted Plan Factor				0.971			0.970			0.983			0.975		
Budget Neutral Plan Factor				0.996			0.995			1.008			1.000		
Total Members															
Member Months				179,834			115,044			194,269			489,147		
Unadjusted Plan Factor				1.022			0.982			1.048			1.023		
Budget Neutral Plan Factor				0.999			0.960			1.024			1.000		

Exhibit 3J Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - North Region - O1 to O2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.554	N/A	20,969	100.00%	N/A	9,946	100.00%	N/A	21,301	100.00%	N/A	52,216	100.00%
Demographic Categories													
Age 1 to 4	0.123	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.048	N/A	6,827	32.56%	N/A	3,331	33.49%	N/A	7,417	34.82%	N/A	17,575	33.66%
Age 5 to 14 Female	0.103	N/A	7,165	34.17%	N/A	3,471	34.90%	N/A	6,923	32.50%	N/A	17,559	33.63%
Age 15 to 18 Male	0.000	N/A	3,640	17.36%	N/A	1,496	15.04%	N/A	3,499	16.43%	N/A	8,635	16.54%
Age 15 to 18 Female	0.270	N/A	3,337	15.91%	N/A	1,648	16.57%	N/A	3,462	16.25%	N/A	8,447	16.18%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.370)	N/A	883	4.21%	N/A	729	7.33%	N/A	1,019	4.78%	N/A	2,631	5.04%
Homelessness Category													
Homelessness	2.375	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, very high	5.506	36	0	0.00%	33	0	0.00%	26	5	0.02%	35	5	0.01%
Cancer, medium to high	3.976	27	8	0.04%	14	12	0.12%	14	23	0.11%	18	43	0.08%
Cardiovascular, very high	2.740	33	5	0.02%	33	0	0.00%	38	0	0.00%	36	5	0.01%
Cardiovascular, medium	0.462	24	75	0.36%	30	23	0.23%	23	87	0.41%	24	185	0.35%
Cardiovascular, low	0.450	12	253	1.21%	13	109	1.10%	13	249	1.17%	13	611	1.17%
Cardiovascular, extra low	0.259	17	273	1.30%	16	153	1.54%	17	282	1.32%	16	708	1.36%
Cerebrovascular, medium	1.635	35	6	0.03%	33	0	0.00%	38	0	0.00%	37	6	0.01%
CNS, high	2.669	25	12	0.06%	24	6	0.06%	30	8	0.04%	28	26	0.05%
CNS, medium	0.897	23	42	0.20%	20	32	0.32%	32	19	0.09%	25	93	0.18%
CNS, low	0.706	9	232	1.11%	7	110	1.11%	8	277	1.30%	8	619	1.19%
DD, low to medium	1.626	18	39	0.19%	12	31	0.31%	19	38	0.18%	17	108	0.21%
Diabetes, type 1	4.912	8	35	0.17%	8	15	0.15%	5	54	0.25%	6	104	0.20%
Diabetes, type 2	1.003	22	38	0.18%	18	31	0.31%	22	42	0.20%	23	111	0.21%
Eye, very low to extra low	0.287	19	188	0.90%	26	51	0.51%	21	168	0.79%	21	407	0.78%
Gastro, high	4.078	28	7	0.03%	15	11	0.11%	15	21	0.10%	19	39	0.07%
Gastro, medium	3.246	7	55	0.26%	18	9	0.09%	12	86	0.40%	12	88	0.16%
Gastro, low	0.419	4	674	3.21%	4	351	3.53%	4	681	3.20%	4	1,706	3.27%
Genital, extra low	0.333	32	43	0.21%	23	58	0.58%	27	82	0.38%	29	183	0.35%
Hematological, extra high	21.738	11	6	0.03%	33	0	0.00%	7	10	0.05%	11	16	0.03%
Hematological, very high	2.711	36	0	0.00%	33	0	0.00%	36	2	0.01%	38	2	0.00%
Hematological, low to medium	0.388	26	82	0.39%	25	41	0.41%	25	88	0.41%	26	211	0.40%
Infectious, very high	1.225	36	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Infectious, high	0.583	31	30	0.14%	28	23	0.23%	31	33	0.15%	31	86	0.16%
Metabolic, high	1.437	10	100	0.48%	11	43	0.43%	11	100	0.47%	10	243	0.47%
Metabolic, medium	0.673	21	60	0.29%	32	3	0.03%	24	54	0.25%	27	117	0.22%
Pregnancy, complete	0.379	34	29	0.14%	27	37	0.37%	34	32	0.15%	33	98	0.19%
Pregnancy, incomplete	3.031	16	25	0.12%	10	21	0.21%	33	4	0.02%	20	50	0.10%
Psychiatric, high	3.981	36	0	0.00%	22	6	0.06%	35	3	0.01%	34	9	0.02%
Psychiatric, medium	2.298	15	38	0.18%	5	50	0.50%	9	77	0.36%	9	165	0.32%
Psychiatric, low	1.069	1	3,740	17.84%	1	1,659	16.68%	1	4,217	19.80%	1	9,616	18.42%
Pulmonary, very high	5.225	14	17	0.08%	21	5	0.05%	16	14	0.07%	15	36	0.07%
Pulmonary, high	0.721	36	0	0.00%	33	0	0.00%	37	3	0.01%	39	3	0.01%
Pulmonary, medium	0.588	20	86	0.41%	29	22	0.22%	20	83	0.39%	22	191	0.37%
Pulmonary, low	0.502	3	1,981	9.45%	3	788	7.92%	3	1,700	7.98%	3	4,469	8.56%
Rare Diseases	19.703	36	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Renal, extra high	3.719	36	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Renal, medium	1.263	29	16	0.08%	31	8	0.08%	29	20	0.09%	30	44	0.08%
Renal, low	0.495	13	206	0.98%	17	69	0.69%	12	231	1.08%	14	506	0.97%
Skeletal, medium	0.416	2	2,926	13.95%	2	1,152	11.58%	2	2,833	13.30%	2	6,911	13.24%
Skeletal, very low to low	0.284	6	767	3.66%	6	281	2.83%	6	818	3.84%	5	1,866	3.57%
Skin, very low to high	0.235	5	956	4.56%	9	302	3.04%	10	751	3.53%	7	2,009	3.85%
Substance abuse, very low to low	0.463	30	39	0.19%	33	0	0.00%	28	55	0.26%	32	94	0.18%
Population Statistics													
No Classified Disease Categories	N/A	N/A	10,967	52.30%	N/A	5,332	53.61%	N/A	11,141	52.30%	N/A	27,440	52.55%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.915	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.978	N/A	348	36.02%	N/A	310	34.56%	N/A	342	32.85%	N/A	1,000	34.44%
Age 5 to 14 Female	0.946	N/A	408	42.24%	N/A	344	38.35%	N/A	426	40.92%	N/A	1,178	40.56%
Age 15 to 18 Male	0.982	N/A	80	8.28%	N/A	116	12.93%	N/A	109	10.47%	N/A	305	10.50%
Age 15 to 18 Female	1.381	N/A	130	13.46%	N/A	127	14.16%	N/A	164	15.75%	N/A	421	14.50%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Member Months				9,946				21,301				52,216	
Unadjusted Plan Factor				1.013				1.070				1.052	
Budget Neutral Plan Factor				0.963				1.017				1.000	
Unscored Members													
Member Months				897				1,041				2,904	
Unadjusted Plan Factor				1.023				1.029				1.024	
Budget Neutral Plan Factor				0.999				1.005				1.000	
Total Members													
Member Months				10,843				22,342				55,120	
Unadjusted Plan Factor				1.015				1.068				1.051	
Budget Neutral Plan Factor				0.966				1.017				1.000	

Exhibit 3K Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - Central Region - Q1 to Q2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.554	N/A	24,529	100.00%	N/A	11,729	100.00%	N/A	23,872	100.00%	N/A	60,130	100.00%
Demographic Categories													
Age 1 to 4	0.123	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.048	N/A	8,178	33.34%	N/A	4,184	35.67%	N/A	7,971	33.39%	N/A	20,333	33.82%
Age 5 to 14 Female	0.103	N/A	8,049	32.81%	N/A	4,037	34.42%	N/A	7,980	33.09%	N/A	19,986	33.24%
Age 15 to 18 Male	0.000	N/A	4,086	16.66%	N/A	1,905	15.39%	N/A	3,989	16.71%	N/A	9,880	16.43%
Age 15 to 18 Female	0.270	N/A	4,216	17.19%	N/A	1,703	14.52%	N/A	4,012	16.81%	N/A	9,931	16.52%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.370)	N/A	1,171	4.77%	N/A	894	7.62%	N/A	1,105	4.63%	N/A	3,170	5.27%
Homelessness Category													
Homelessness	2.375	N/A	0	0.00%	N/A	0	0.00%	N/A	6	0.03%	N/A	6	0.01%
Disease Categories													
Cancer, very high	5.506	37	0	0.00%	36	0	0.00%	35	0	0.00%	40	0	0.00%
Cancer, medium to high	3.976	7	58	0.24%	5	33	0.28%	10	42	0.18%	8	133	0.22%
Cardiovascular, very high	2.740	37	0	0.00%	32	4	0.03%	33	1	0.00%	38	5	0.01%
Cardiovascular, medium	0.462	27	99	0.40%	24	41	0.35%	28	65	0.27%	27	205	0.34%
Cardiovascular, low	0.450	11	291	1.19%	15	124	1.06%	12	319	1.34%	12	734	1.22%
Cardiovascular, extra low	0.259	20	250	1.02%	19	116	0.99%	17	269	1.13%	19	635	1.06%
Cerebrovascular, medium	1.635	31	9	0.04%	36	0	0.00%	35	0	0.00%	37	9	0.01%
CNS, high	2.669	35	2	0.01%	35	1	0.01%	23	18	0.08%	30	21	0.03%
CNS, medium	0.897	21	72	0.29%	36	0	0.00%	22	58	0.24%	24	130	0.22%
CNS, low	0.705	6	348	1.42%	10	134	1.14%	8	353	1.48%	6	805	1.39%
DD, low to medium	1.626	18	46	0.19%	21	15	0.13%	14	61	0.26%	17	122	0.20%
Diabetes, type 1	4.912	12	26	0.11%	4	39	0.33%	6	55	0.23%	7	120	0.20%
Diabetes, type 2	1.003	22	61	0.25%	28	16	0.14%	20	58	0.24%	23	135	0.22%
Eye, very low to extra low	0.287	24	194	0.79%	25	64	0.55%	18	224	0.94%	22	482	0.80%
Gastro, high	4.078	23	14	0.06%	36	0	0.00%	21	13	0.05%	25	27	0.04%
Gastro, medium	3.246	16	31	0.13%	9	32	0.27%	13	39	0.16%	11	102	0.17%
Gastro, low	0.419	4	776	3.16%	8	260	2.22%	4	807	3.38%	4	1,843	3.07%
Genital, extra low	0.333	29	89	0.36%	29	48	0.41%	29	66	0.28%	29	203	0.34%
Hematological, extra high	21.738	37	0	0.00%	22	1	0.01%	11	7	0.03%	18	8	0.01%
Hematological, very high	2.711	37	0	0.00%	31	5	0.04%	35	0	0.00%	39	5	0.01%
Hematological, low to medium	0.388	19	177	0.72%	18	84	0.72%	24	98	0.41%	21	359	0.60%
Infectious, very high	1.226	37	0	0.00%	36	0	0.00%	35	0	0.00%	40	0	0.00%
Infectious, high	0.583	32	24	0.10%	30	25	0.21%	31	11	0.05%	34	60	0.10%
Metabolic, high	1.437	13	88	0.36%	11	60	0.51%	15	69	0.29%	13	217	0.36%
Metabolic, medium	0.673	25	79	0.32%	27	24	0.20%	27	47	0.20%	26	150	0.25%
Pregnancy, complete	0.379	30	49	0.20%	23	53	0.45%	30	26	0.11%	32	128	0.21%
Pregnancy, incomplete	3.031	15	35	0.14%	16	14	0.12%	32	2	0.01%	20	51	0.08%
Psychiatric, high	3.981	26	12	0.05%	36	0	0.00%	35	0	0.00%	33	12	0.02%
Psychiatric, medium	2.298	14	54	0.22%	13	32	0.27%	5	127	0.53%	9	213	0.35%
Psychiatric, low	1.069	1	4,188	17.07%	1	1,871	15.95%	1	4,108	17.21%	1	10,167	16.91%
Pulmonary, very high	5.225	10	27	0.11%	17	7	0.06%	19	12	0.05%	16	46	0.08%
Pulmonary, high	0.721	34	13	0.05%	34	6	0.05%	34	3	0.01%	36	22	0.04%
Pulmonary, medium	0.588	28	51	0.21%	26	31	0.26%	26	57	0.24%	28	139	0.23%
Pulmonary, low	0.502	2	2,484	10.13%	2	958	8.17%	2	2,111	8.84%	2	5,553	9.23%
Rare Diseases	19.703	9	8	0.03%	6	6	0.05%	35	0	0.00%	14	14	0.02%
Renal, extra high	3.719	37	0	0.00%	36	0	0.00%	35	0	0.00%	40	0	0.00%
Renal, medium	1.263	36	4	0.02%	20	22	0.19%	35	0	0.00%	35	26	0.04%
Renal, low	0.495	17	194	0.79%	14	121	1.03%	16	194	0.81%	15	509	0.85%
Skeletal, medium	0.416	3	2,346	9.56%	3	982	8.37%	3	2,445	10.24%	3	5,773	9.60%
Skeletal, very low to low	0.284	5	1,003	4.09%	7	408	3.48%	7	927	3.88%	5	2,338	3.89%
Skin, very low to high	0.235	8	755	3.08%	12	331	2.82%	9	748	3.13%	10	1,834	3.05%
Substance abuse, very low to low	0.463	33	29	0.12%	33	15	0.13%	25	73	0.31%	31	117	0.19%
Population Statistics													
No Classified Disease Categories	N/A	N/A	13,530	55.16%	N/A	6,659	56.77%	N/A	13,384	56.07%	N/A	33,573	55.83%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.915	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.978	N/A	285	34.97%	N/A	238	35.79%	N/A	328	35.61%	N/A	851	35.44%
Age 5 to 14 Female	0.946	N/A	269	33.01%	N/A	275	41.35%	N/A	386	41.91%	N/A	930	38.73%
Age 15 to 18 Male	0.982	N/A	131	16.07%	N/A	68	10.23%	N/A	115	12.49%	N/A	314	13.08%
Age 15 to 18 Female	1.381	N/A	130	15.95%	N/A	84	12.63%	N/A	92	9.99%	N/A	306	12.74%
Risk Adjustment Results													
			Magnolia			Molina			United			Total	
Scored Members													
Member Months			24,529			11,729			23,872			60,130	
Unadjusted Plan Factor			1.032			1.001			1.034			1.027	
Budget Neutral Plan Factor			1.005			0.975			1.007			1.000	
Unscored Members													
Member Months			815			665			921			2,401	
Unadjusted Plan Factor			1.032			1.016			1.005			1.017	
Budget Neutral Plan Factor			1.015			0.999			0.988			1.000	
Total Members													
Member Months			25,344			12,394			24,793			62,531	
Unadjusted Plan Factor			1.032			1.002			1.033			1.027	
Budget Neutral Plan Factor			1.006			0.976			1.006			1.000	

Exhibit 3L Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - South Region - Q1 to Q2 2024 Risk Scores May 2022 through April 2023 Diagnosis Period - January 2024 to June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.554	N/A	18,275	100.00%	N/A	10,690	100.00%	N/A	21,495	100.00%	N/A	50,460	100.00%
Demographic Categories													
Age 1 to 4	0.123	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.048	N/A	6,234	34.11%	N/A	3,750	35.08%	N/A	7,257	33.76%	N/A	17,241	34.17%
Age 5 to 14 Female	0.103	N/A	5,891	32.24%	N/A	3,714	34.74%	N/A	6,889	32.05%	N/A	16,494	32.69%
Age 15 to 18 Male	0.000	N/A	3,035	16.61%	N/A	1,660	15.53%	N/A	3,894	18.12%	N/A	8,589	17.02%
Age 15 to 18 Female	0.270	N/A	3,115	17.05%	N/A	1,566	14.65%	N/A	3,455	16.07%	N/A	8,136	16.12%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.370)	N/A	883	4.83%	N/A	864	8.08%	N/A	929	4.32%	N/A	2,676	5.30%
Homelessness Category													
Homelessness	2.375	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, very high	5.506	35	0	0.00%	36	0	0.00%	36	0	0.00%	37	0	0.00%
Cancer, medium to high	3.976	8	41	0.22%	13	11	0.10%	13	23	0.11%	10	75	0.15%
Cardiovascular, very high	2.740	35	0	0.00%	36	0	0.00%	36	0	0.00%	37	0	0.00%
Cardiovascular, medium	0.462	26	64	0.35%	20	50	0.47%	25	84	0.39%	28	198	0.39%
Cardiovascular, low	0.450	16	158	0.86%	15	69	0.65%	15	200	0.93%	14	427	0.85%
Cardiovascular, extra low	0.259	19	220	1.20%	21	88	0.82%	14	351	1.63%	17	659	1.31%
Cerebrovascular, medium	1.635	35	0	0.00%	36	0	0.00%	36	0	0.00%	37	0	0.00%
CNS, high	2.669	29	6	0.03%	35	1	0.01%	35	2	0.01%	34	9	0.02%
CNS, medium	0.897	20	56	0.31%	29	15	0.14%	24	46	0.21%	24	117	0.23%
CNS, low	0.705	10	217	1.19%	8	127	1.19%	9	255	1.19%	9	599	1.19%
DD, low to medium	1.626	17	41	0.22%	30	6	0.06%	20	35	0.16%	19	82	0.16%
Diabetes, type 1	4.912	5	51	0.28%	5	30	0.28%	4	88	0.41%	5	169	0.33%
Diabetes, type 2	1.003	22	40	0.22%	24	18	0.17%	26	36	0.17%	27	94	0.19%
Eye, very low to extra low	0.287	23	118	0.65%	22	78	0.73%	22	167	0.78%	25	363	0.72%
Gastro, high	4.078	12	26	0.14%	17	7	0.07%	23	11	0.05%	15	44	0.09%
Gastro, medium	3.246	14	28	0.15%	9	27	0.25%	12	30	0.14%	11	85	0.17%
Gastro, low	0.419	4	793	4.34%	4	460	4.30%	5	974	4.53%	4	2,227	4.41%
Genital, extra low	0.333	28	73	0.40%	26	48	0.45%	31	64	0.30%	30	185	0.37%
Hematological, extra high	21.738	35	0	0.00%	6	6	0.06%	36	0	0.00%	20	6	0.01%
Hematological, very high	2.711	33	2	0.01%	28	5	0.05%	28	9	0.04%	31	16	0.03%
Hematological, low to medium	0.388	24	85	0.47%	25	42	0.39%	30	59	0.27%	29	186	0.37%
Infectious, very high	1.226	35	0	0.00%	36	0	0.00%	36	0	0.00%	37	0	0.00%
Infectious, high	0.583	34	1	0.01%	31	16	0.15%	32	22	0.10%	35	39	0.08%
Metabolic, high	1.437	11	81	0.44%	12	32	0.30%	11	73	0.34%	12	186	0.37%
Metabolic, medium	0.673	21	73	0.40%	33	9	0.08%	18	90	0.42%	22	172	0.34%
Pregnancy, complete	0.379	31	26	0.14%	34	13	0.12%	34	15	0.07%	36	54	0.11%
Pregnancy, incomplete	3.031	25	10	0.05%	23	6	0.06%	19	19	0.09%	23	35	0.07%
Psychiatric, high	3.981	18	16	0.09%	14	9	0.08%	17	18	0.08%	16	43	0.09%
Psychiatric, medium	2.298	6	101	0.55%	16	13	0.12%	6	148	0.69%	6	262	0.52%
Psychiatric, low	1.069	1	3,840	21.01%	1	2,389	22.35%	1	5,186	24.13%	1	11,415	22.62%
Pulmonary, very high	5.225	15	14	0.08%	19	5	0.05%	27	5	0.02%	21	24	0.05%
Pulmonary, high	0.721	35	0	0.00%	36	0	0.00%	36	0	0.00%	37	0	0.00%
Pulmonary, medium	0.588	27	45	0.25%	18	46	0.43%	21	86	0.40%	26	177	0.35%
Pulmonary, low	0.502	2	1,370	7.50%	2	777	7.27%	2	1,886	8.77%	2	4,033	7.99%
Rare Diseases	19.703	35	0	0.00%	36	0	0.00%	10	8	0.04%	18	8	0.02%
Renal, extra high	3.719	35	0	0.00%	36	0	0.00%	36	0	0.00%	37	0	0.00%
Renal, medium	1.263	32	7	0.04%	32	6	0.06%	29	19	0.09%	32	32	0.06%
Renal, low	0.495	13	187	1.02%	11	106	0.99%	16	177	0.82%	13	470	0.93%
Skeletal, medium	0.416	3	1,291	7.06%	3	703	6.58%	3	1,657	7.71%	3	3,651	7.24%
Skeletal, very low to low	0.284	7	711	3.89%	7	357	3.34%	7	880	4.09%	7	1,948	3.86%
Skin, very low to high	0.235	9	667	3.65%	10	352	3.29%	8	961	4.47%	8	1,980	3.92%
Substance abuse, very low to low	0.463	30	23	0.13%	27	30	0.28%	33	17	0.08%	33	70	0.14%
Population Statistics													
No Classified Disease Categories	N/A	N/A	9,967	54.54%	N/A	5,574	52.14%	N/A	11,007	51.21%	N/A	26,548	52.61%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.915	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.978	N/A	198	32.04%	N/A	274	34.64%	N/A	444	37.60%	N/A	916	35.37%
Age 5 to 14 Female	0.946	N/A	247	39.97%	N/A	295	37.29%	N/A	454	38.44%	N/A	996	38.46%
Age 15 to 18 Male	0.982	N/A	91	14.72%	N/A	95	12.01%	N/A	165	13.97%	N/A	351	13.55%
Age 15 to 18 Female	1.381	N/A	82	13.27%	N/A	127	16.06%	N/A	118	9.99%	N/A	327	12.63%
Risk Adjustment Results													
Scored Members													
Member Months	18,275			10,690				21,495				50,460	
Unadjusted Plan Factor	1.065			1.047				1.114				1.082	
Budget Neutral Plan Factor	0.984			0.968				1.029				1.000	
Unscored Members													
Member Months	618			791				1,181				2,590	
Unadjusted Plan Factor	1.019			1.031				1.006				1.017	
Budget Neutral Plan Factor	1.002			1.014				0.990				1.000	
Total Members													
Member Months	18,893			11,481				22,676				53,050	
Unadjusted Plan Factor	1.063			1.048				1.109				1.079	
Budget Neutral Plan Factor	0.985			0.971				1.027				1.000	

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Risk Scores
January 2024 to June 2024 Enrollment Period

North Region										
Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.521		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	1.112	1,601	17.84%	405	26.23%	576	19.16%	2,582	19.09%
Money Code 3	Receiving IV-E Assistance	0.784	1,394	15.54%	298	19.30%	517	17.19%	2,209	16.33%
Money Code 4	Receiving IV-E Subadoption Ast	0.130	5,533	61.66%	773	50.06%	1,686	56.07%	7,992	59.09%
Other	All other Money Codes	0.000	445	4.96%	68	4.40%	228	7.58%	741	5.48%
Unadjusted Plan Factor			0.921		1.029		0.942		0.938	
Member Months			8,973		1,544		3,007		13,524	
Budget Neutral Plan Factor			0.982		1.097		1.004		1.000	

Central Region										
Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.521		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	1.112	1,989	21.24%	620	33.10%	659	22.98%	3,268	23.17%
Money Code 3	Receiving IV-E Assistance	0.784	1,906	20.35%	565	30.17%	766	26.71%	3,237	22.95%
Money Code 4	Receiving IV-E Subadoption Ast	0.130	5,109	54.56%	624	33.32%	1,257	43.83%	6,990	49.56%
Other	All other Money Codes	0.000	360	3.84%	64	3.42%	186	6.49%	610	4.32%
Unadjusted Plan Factor			0.988		1.169		1.043		1.023	
Member Months			9,364		1,873		2,868		14,105	
Budget Neutral Plan Factor			0.965		1.143		1.019		1.000	

South Region										
Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.521		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	1.112	1,818	14.38%	704	26.65%	727	17.97%	3,249	16.80%
Money Code 3	Receiving IV-E Assistance	0.784	2,266	17.92%	648	24.53%	831	20.54%	3,745	19.37%
Money Code 4	Receiving IV-E Subadoption Ast	0.130	7,927	62.68%	1,203	45.53%	2,142	52.94%	11,272	58.30%
Other	All other Money Codes	0.000	635	5.02%	87	3.29%	346	8.55%	1,068	5.52%
Unadjusted Plan Factor			0.903		1.069		0.951		0.936	
Member Months			12,646		2,642		4,046		19,334	
Budget Neutral Plan Factor			0.965		1.142		1.016		1.000	

Exhibit 4A
Mississippi Division of Medicaid
SFY 2024 MississippiCAN Risk Weight Development - Effective January to June 2024
Custom Risk Weights - Non-Newborn SSI / Disabled Rate Cell

Model R-Squared: 33.2%						
Risk Weight Category	CY 2022 Member Months ¹	Scored Member Coefficient	Prevalence	P-Value	Population Risk Score ²	Unscored Member Coefficient ³
Regression Intercept	690,171	0.144	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	27,529	0.253	4.0%	N/A	1.082	1.082
Age 5 to 14 Male	81,473	0.101	11.8%	N/A	0.593	0.593
Age 5 to 14 Female	37,232	0.126	5.4%	N/A	0.696	0.696
Age 15 to 24 Male	62,798	-	9.1%	N/A	0.517	0.517
Age 15 to 24 Female	35,115	0.097	5.1%	N/A	0.735	0.735
Age 25 to 44 Male	80,008	0.110	11.6%	N/A	0.938	0.938
Age 25 to 44 Female	73,922	0.182	10.7%	N/A	1.133	1.133
Age 45 and Older Male	129,568	0.117	18.8%	N/A	1.163	1.163
Age 45 and Older Female	162,526	0.138	23.5%	N/A	1.344	1.344
Non-Utilizer Category						
No Base Period Medical Utilization	43,744	(0.114)	6.3%	0.000	0.137	N/A
Homelessness						
Homelessness	4,940	0.693	0.7%	0.000	2.667	N/A
Disease Categories						
Cancer, very high	3,851	2.226	0.6%	0.000	4.035	N/A
Cancer, high	8,531	0.762	1.2%	0.000	2.492	N/A
Cancer, medium	12,392	0.548	1.8%	0.000	2.133	N/A
Cancer, low	7,739	0.202	1.1%	0.000	1.664	N/A
Cardiovascular, very high	5,077	0.780	0.7%	0.000	3.889	N/A
Cardiovascular, medium	77,205	0.439	11.2%	0.000	2.051	N/A
Cardiovascular, low	53,798	0.156	7.8%	0.000	1.474	N/A
Cardiovascular, extra low	178,945	0.046	25.9%	0.003	1.128	N/A
CNS, high	6,562	1.165	1.0%	0.000	2.692	N/A
CNS, medium	19,949	0.402	2.9%	0.000	1.668	N/A
CNS, low	125,479	0.231	18.2%	0.000	1.594	N/A
DD, low to medium	32,576	0.104	4.7%	0.000	1.164	N/A
Diabetes, type 1	10,964	0.803	1.6%	0.000	2.438	N/A
Diabetes, type 2	101,613	0.389	14.7%	0.000	1.743	N/A
Eye, low	7,084	0.202	1.0%	0.000	1.721	N/A
Eye, very low	52,015	0.109	7.5%	0.000	1.565	N/A
Gastro, medium to high	40,177	0.420	5.8%	0.000	2.336	N/A
Gastro, low	127,638	0.097	18.5%	0.000	1.511	N/A
Genital, extra low	25,995	0.057	3.8%	0.038	1.747	N/A
Hematological, extra high	12	5.677	0.0%	0.000	6.185	N/A
Hematological, medium to very high	13,284	0.620	1.9%	0.000	2.561	N/A
Hematological, low	11,254	0.169	1.6%	0.000	2.382	N/A
Infectious, high to very high	20,578	1.205	3.0%	0.000	2.951	N/A
Infectious, medium	16,415	0.262	2.4%	0.000	2.231	N/A
Metabolic, high	17,452	0.526	2.5%	0.000	2.522	N/A
Metabolic, medium	45,370	0.097	6.6%	0.000	2.100	N/A
Pregnancy, incomplete	1,821	0.477	0.3%	0.000	1.415	N/A
Psychiatric, high	54,318	0.938	7.9%	0.000	1.879	N/A
Psychiatric, medium	14,017	0.408	2.0%	0.000	1.435	N/A
Psychiatric, low	273,367	0.198	39.6%	0.000	1.087	N/A
Pulmonary, very high	13,482	0.678	2.0%	0.000	2.879	N/A
Pulmonary, high	2,119	0.507	0.3%	0.000	2.375	N/A
Pulmonary, medium	34,523	0.348	5.0%	0.000	2.228	N/A
Pulmonary, low	106,713	0.141	15.5%	0.000	1.304	N/A
Rare Diseases	629	3.420	0.1%	0.000	5.318	N/A
Renal, extra high	4,037	2.509	0.6%	0.000	4.946	N/A
Renal, medium	26,992	0.278	3.9%	0.000	2.097	N/A
Renal, low	29,353	0.132	4.3%	0.000	1.742	N/A
Skeletal, medium	156,781	0.267	22.7%	0.000	1.587	N/A
Skeletal, very low to low	65,117	0.093	9.4%	0.000	1.363	N/A
Skin, very low to high	60,893	0.081	8.8%	0.000	1.705	N/A
Substance abuse, very low to low	66,766	0.138	9.7%	0.000	1.786	N/A
Disabled Children Add-On						
Disabled Children Add-On - CNS, high	1,889	0.420	0.3%	0.000	3.148	N/A
Disabled Children Add-On - Diabetes, type 1	1,763	0.418	0.3%	0.000	1.940	N/A
Disabled Children Add-On - Gastro, high	6,139	0.766	0.9%	0.000	2.884	N/A
Disabled Children Add-On - Metabolic, high	5,123	0.192	0.7%	0.007	2.390	N/A
Disabled Children Add-On - Metabolic, medium	2,739	0.218	0.4%	0.012	2.339	N/A
Disabled Children Add-On - Pulmonary, very high	2,744	0.579	0.4%	0.000	3.163	N/A

¹ CY 2022 member months satisfying the regression criteria.
² Reflects the average total risk score for all members associated with the given variable.
³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4B Mississippi Division of Medicaid SFY 2024 MississippiCAN Risk Weight Development - Effective January to June 2024 CDPS+Rx Mapping to Custom Risk Weight Categories - Non-Newborn SSI / Disabled Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, very high	2.226
CANH	Cancer, high	Cancer, high	0.762
CANM	Cancer, medium	Cancer, medium	0.548
CANL	Cancer, low	Cancer, low	0.202
CARVH	Cardiovascular, very high	Cardiovascular, very high	0.780
CARM	Cardiovascular, medium	Cardiovascular, medium	0.439
CARL	Cardiovascular, low	Cardiovascular, low	0.156
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.046
CERM	Cerebrovascular, medium	Not Used	Not Used
CNSH	CNS, high	CNS, high	1.165
CNSM	CNS, medium	CNS, medium	0.402
CNSL	CNS, low	CNS, low	0.231
DDM	DD, medium	DD, low to medium	0.104
DDL	DD, low	DD, low to medium	0.104
DIA1	Diabetes, type 1	Diabetes, type 1	0.803
DIA2	Diabetes, type 2	Diabetes, type 2	0.389
EYEL	Eye, low	Eye, low	0.202
EYEVL	Eye, very low	Eye, very low	0.109
GIH	Gastro, high	Gastro, medium to high	0.420
GIM	Gastro, medium	Gastro, medium to high	0.420
GIL	Gastro, low	Gastro, low	0.097
GENEL	Genital, extra low	Genital, extra low	0.057
HEMEH	Hematological, extra high	Hematological, extra high	5.677
HEMVH	Hematological, very high	Hematological, medium to very high	0.620
HEMM	Hematological, medium	Hematological, medium to very high	0.620
HEML	Hematological, low	Hematological, low	0.169
INFVH	Infectious, very high	Infectious, high to very high	1.205
INFH	Infectious, high	Infectious, high to very high	1.205
INFM	Infectious, medium	Infectious, medium	0.262
INFL	Infectious, low	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.526
METM	Metabolic, medium	Metabolic, medium	0.097
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.477
PSYH	Psychiatric, high	Psychiatric, high	0.938
PSYM	Psychiatric, medium	Psychiatric, medium	0.408
PSYL	Psychiatric, low	Psychiatric, low	0.198
PULVH	Pulmonary, very high	Pulmonary, very high	0.678
PULH	Pulmonary, high	Pulmonary, high	0.507
PULM	Pulmonary, medium	Pulmonary, medium	0.348
PULL	Pulmonary, low	Pulmonary, low	0.141
RENEH	Renal, extra high	Renal, extra high	2.509
RENM	Renal, medium	Renal, medium	0.278
RENL	Renal, low	Renal, low	0.132
SKCM	Skeletal, medium	Skeletal, medium	0.267
SKCL	Skeletal, low	Skeletal, very low to low	0.093
SKCVL	Skeletal, very low	Skeletal, very low to low	0.093
SKNH	Skin, high	Skin, very low to high	0.081
SKNL	Skin, low	Skin, very low to high	0.081
SKNVL	Skin, very low	Skin, very low to high	0.081
SUBL	Substance abuse, low	Substance abuse, very low to low	0.138
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.138
CCARVH	Disabled Children Add-On - Cardiovascular, very high	Not Used	Not Used
CCARM	Disabled Children Add-On - Cardiovascular, medium	Not Used	Not Used
CCNSH	Disabled Children Add-On - CNS, high	Disabled Children Add-On - CNS, high	0.420
CDDM	Disabled Children Add-On - DD, medium	Not Used	Not Used
CDIA1	Disabled Children Add-On - Diabetes, type 1	Disabled Children Add-On - Diabetes, type 1	0.418
CGIH	Disabled Children Add-On - Gastro, high	Disabled Children Add-On - Gastro, high	0.766
CHEMEH	Disabled Children Add-On - Hematological, extra high	Not Used	Not Used
CHEMVH	Disabled Children Add-On - Hematological, very high	Not Used	Not Used
CINFVH	Disabled Children Add-On - Infectious, very high	Not Used	Not Used
CINFH	Disabled Children Add-On - Infectious, high	Not Used	Not Used
CINFM	Disabled Children Add-On - Infectious, medium	Not Used	Not Used
CMETH	Disabled Children Add-On - Metabolic, high	Disabled Children Add-On - Metabolic, high	0.192
CMETM	Disabled Children Add-On - Metabolic, medium	Disabled Children Add-On - Metabolic, medium	0.218
CPSYH	Disabled Children Add-On - Psychiatric, high	Not Used	Not Used
CPSYM	Disabled Children Add-On - Psychiatric, medium	Not Used	Not Used
CPULVH	Disabled Children Add-On - Pulmonary, very high	Disabled Children Add-On - Pulmonary, very high	0.579
CRENEH	Disabled Children Add-On - Renal, extra high	Not Used	Not Used
CSUBL	Disabled Children Add-On - Substance abuse, low	Not Used	Not Used
CSUBVL	Disabled Children Add-On - Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.439
MRX2	Cardiac	Cardiovascular, extra low	0.046
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.198
MRX4	Diabetes	Diabetes, type 2	0.389
MRX5	Hemophilia/von Willebrands	Hematological, extra high	5.677
MRX6	Hepatitis	Infectious, medium	0.262
MRX7	HIV	Infectious, medium	0.262
MRX8	Infections, high	Infectious, high to very high	1.205
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.267
MRX10	Malignancies	Cancer, medium	0.548
MRX11	Multiple Sclerosis / Paralysis	CNS, high	1.165
MRX12	Parkinsons / Tremor	CNS, low	0.231
MRX13	Rare Diseases	Rare Diseases	3.420
MRX14	Seizure disorders	CNS, low	0.231
MRX15	Tuberculosis	Not Used	Not Used

Exhibit 4C
Mississippi Division of Medicaid
SFY 2024 MississippiCAN Risk Weight Development - Effective January to June 2024
Custom Risk Weights - MA Adult Rate Cell

Model R-Squared: 39.9%						
Risk Weight Category	CY 2022 Member Months ¹	Scored Member Coefficient	Prevalence	P-Value	Population Risk Score ²	Unscored Member Coefficient ³
Regression Intercept	367,518	0.119	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 15 to 18 Male	914	-	0.2%	N/A	0.449	0.449
Age 15 to 18 Female	29,514	0.284	8.0%	N/A	0.880	0.880
Age 25 to 44 Male	24,017	0.101	6.5%	N/A	0.697	0.697
Age 25 to 44 Female	270,056	0.265	73.5%	N/A	0.990	0.990
Age 45 and Older Male	8,799	0.229	2.4%	N/A	1.137	1.137
Age 45 and Older Female	34,218	0.323	9.3%	N/A	1.375	1.375
Non-Utilizer Category						
No Base Period Medical Utilization	23,627	(0.119)	6.4%	0.001	0.237	N/A
Disease Categories						
Cancer, very high	198	3.548	0.1%	0.000	5.580	N/A
Cancer, high	1,050	1.726	0.3%	0.000	3.851	N/A
Cancer, medium	2,590	0.757	0.7%	0.000	2.447	N/A
Cancer, low	1,633	0.624	0.4%	0.000	2.078	N/A
Cardiovascular, very high	376	1.451	0.1%	0.000	3.972	N/A
Cardiovascular, medium	17,677	0.397	4.8%	0.000	2.035	N/A
Cardiovascular, low	14,017	0.366	3.8%	0.000	1.867	N/A
Cardiovascular, extra low	98,973	0.113	26.9%	0.000	1.291	N/A
CNS, high	1,487	1.356	0.4%	0.000	3.166	N/A
CNS, low to medium	27,048	0.333	7.4%	0.000	1.963	N/A
Diabetes, type 1	3,409	1.962	0.9%	0.000	3.464	N/A
Diabetes, type 2	24,990	0.761	6.8%	0.000	2.157	N/A
Eye, low	2,411	0.365	0.7%	0.000	1.827	N/A
Eye, very low	5,511	0.242	1.5%	0.001	1.860	N/A
Gastro, high	952	1.218	0.3%	0.000	3.415	N/A
Gastro, medium	10,606	0.725	2.9%	0.000	2.364	N/A
Gastro, low	51,414	0.196	14.0%	0.000	1.582	N/A
Genital, extra low	26,267	0.120	7.1%	0.000	1.490	N/A
Infectious, high to very high	5,356	1.283	1.5%	0.000	3.038	N/A
Infectious, low to medium	9,032	0.285	2.5%	0.000	1.984	N/A
Metabolic, high	3,568	0.918	1.0%	0.000	2.876	N/A
Pregnancy, complete	40,378	0.141	11.0%	0.000	1.023	N/A
Pregnancy, incomplete	12,140	1.061	3.3%	0.000	1.851	N/A
Psychiatric, high	3,345	0.980	0.9%	0.000	2.365	N/A
Psychiatric, medium	5,075	0.560	1.4%	0.000	1.752	N/A
Psychiatric, low	111,467	0.325	30.3%	0.000	1.476	N/A
Pulmonary, very high	893	0.412	0.2%	0.018	2.950	N/A
Pulmonary, low to medium	40,463	0.250	11.0%	0.000	1.726	N/A
Rare Diseases	51	3.615	0.0%	0.000	6.856	N/A
Renal, extra high	119	1.050	0.0%	0.027	4.758	N/A
Renal, medium	3,252	0.593	0.9%	0.000	2.685	N/A
Renal, low	7,606	0.337	2.1%	0.000	2.119	N/A
Skeletal, medium	92,593	0.368	25.2%	0.000	1.540	N/A
Skeletal, very low to low	24,843	0.101	6.8%	0.003	1.286	N/A
Skin, low to high	1,432	0.747	0.4%	0.000	3.424	N/A
Skin, very low	26,403	0.172	7.2%	0.000	1.538	N/A
Substance abuse, low	23,728	0.409	6.5%	0.000	1.789	N/A

¹ CY 2022 member months satisfying the regression criteria.
² Reflects the average total risk score for all members associated with the given variable.
³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4D Mississippi Division of Medicaid SFY 2024 MississippiCAN Risk Weight Development - Effective January to June 2024 CDPS+Rx Mapping to Custom Risk Weight Categories - MA Adult Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, very high	3.548
CANH	Cancer, high	Cancer, high	1.726
CANM	Cancer, medium	Cancer, medium	0.757
CANL	Cancer, low	Cancer, low	0.624
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.451
CARM	Cardiovascular, medium	Cardiovascular, medium	0.397
CARL	Cardiovascular, low	Cardiovascular, low	0.366
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.113
CERM	Cerebrovascular, medium	Not Used	Not Used
CNSH	CNS, high	CNS, high	1.356
CNSM	CNS, medium	CNS, low to medium	0.333
CNSL	CNS, low	CNS, low to medium	0.333
DDM	DD, medium	Not Used	Not Used
DDL	DD, low	Not Used	Not Used
DIA1	Diabetes, type 1	Diabetes, type 1	1.962
DIA2	Diabetes, type 2	Diabetes, type 2	0.761
EYEL	Eye, low	Eye, low	0.365
EYEVH	Eye, very low	Eye, very low	0.242
GIH	Gastro, high	Gastro, high	1.218
GIM	Gastro, medium	Gastro, medium	0.725
GIL	Gastro, low	Gastro, low	0.196
GENEL	Genital, extra low	Genital, extra low	0.120
HEMEH	Hematological, extra high	Not Used	Not Used
HEMVH	Hematological, very high	Not Used	Not Used
HEMM	Hematological, medium	Not Used	Not Used
HEML	Hematological, low	Not Used	Not Used
INFVH	Infectious, very high	Infectious, high to very high	1.283
INFH	Infectious, high	Infectious, high to very high	1.283
INFM	Infectious, medium	Infectious, low to medium	0.285
INFL	Infectious, low	Infectious, low to medium	0.285
METH	Metabolic, high	Metabolic, high	0.918
METM	Metabolic, medium	Not Used	Not Used
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.141
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	1.061
PSYH	Psychiatric, high	Psychiatric, high	0.980
PSYM	Psychiatric, medium	Psychiatric, medium	0.560
PSYL	Psychiatric, low	Psychiatric, low	0.325
PULVH	Pulmonary, very high	Pulmonary, very high	0.412
PULH	Pulmonary, high	Pulmonary, low to medium	0.250
PULM	Pulmonary, medium	Pulmonary, low to medium	0.250
PULL	Pulmonary, low	Pulmonary, low to medium	0.250
RENEH	Renal, extra high	Renal, extra high	1.050
RENM	Renal, medium	Renal, medium	0.593
RENH	Renal, low	Renal, low	0.337
SKCM	Skeletal, medium	Skeletal, medium	0.368
SKCL	Skeletal, low	Skeletal, very low to low	0.101
SKCVL	Skeletal, very low	Skeletal, very low to low	0.101
SKNH	Skin, high	Skin, low to high	0.747
SKNL	Skin, low	Skin, low to high	0.747
SKNVL	Skin, very low	Skin, very low	0.172
SUBL	Substance abuse, low	Substance abuse, low	0.409
SUBVL	Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.397
MRX2	Cardiac	Cardiovascular, extra low	0.113
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.325
MRX4	Diabetes	Diabetes, type 2	0.761
MRX5	Hemophilia/von Willebrands	Not Used	Not Used
MRX6	Hepatitis	Infectious, low to medium	0.285
MRX7	HIV	Infectious, low to medium	0.285
MRX8	Infections, high	Infectious, high to very high	1.283
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.368
MRX10	Malignancies	Cancer, medium	0.757
MRX11	Multiple Sclerosis / Paralysis	CNS, high	1.356
MRX12	Parkinsons / Tremor	CNS, low to medium	0.333
MRX13	Rare Diseases	Rare Diseases	3.615
MRX14	Seizure disorders	CNS, low to medium	0.333
MRX15	Tuberculosis	Infectious, low to medium	0.285

Exhibit 4E

Mississippi Division of Medicaid

SFY 2024 MississippiCAN Risk Weight Development - Effective January to June 2024

Custom Risk Weights - MississippiCAN Children Rate Cells

Model R-Squared: 14.8%						
Risk Weight Category	CY 2022 Member Months ¹	Scored Member Coefficient	Prevalence	P-Value	Population Risk Score ²	Unscored Member Coefficient ³
Regression Intercept	2,541,786	0.554	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	560,012	0.123	22.0%	N/A	0.915	0.915
Age 5 to 14 Male	708,909	0.048	27.9%	N/A	0.978	0.978
Age 5 to 14 Female	720,783	0.103	28.4%	N/A	0.946	0.946
Age 15 to 18 Male	271,720	-	10.7%	N/A	0.982	0.982
Age 15 to 18 Female	280,362	0.270	11.0%	N/A	1.381	1.381
Non-Utilizer Category						
No Base Period Medical Utilization	136,535	(0.370)	5.4%	0.000	0.272	N/A
Homelessness						
Homelessness	69	2.375	0.0%	0.001	4.410	N/A
Disease Categories						
Cancer, very high	72	5.506	0.0%	0.000	11.853	N/A
Cancer, medium to high	3,085	3.976	0.1%	0.000	6.414	N/A
Cardiovascular, very high	213	2.740	0.0%	0.000	8.923	N/A
Cardiovascular, medium	10,956	0.462	0.4%	0.000	2.385	N/A
Cardiovascular, low	32,243	0.450	1.3%	0.000	2.043	N/A
Cardiovascular, extra low	24,157	0.259	1.0%	0.000	2.157	N/A
Cerebrovascular, medium	226	1.635	0.0%	0.000	5.296	N/A
CNS, high	782	2.669	0.0%	0.000	5.970	N/A
CNS, medium	3,136	0.897	0.1%	0.000	3.114	N/A
CNS, low	35,115	0.706	1.4%	0.000	2.419	N/A
DD, low to medium	3,491	1.626	0.1%	0.000	4.080	N/A
Diabetes, type 1	6,443	4.912	0.3%	0.000	6.373	N/A
Diabetes, type 2	4,622	1.003	0.2%	0.000	2.875	N/A
Eye, very low to extra low	13,197	0.287	0.5%	0.000	1.590	N/A
Gastro, high	1,607	4.073	0.1%	0.000	7.352	N/A
Gastro, medium	4,292	3.246	0.2%	0.000	5.200	N/A
Gastro, low	118,768	0.419	4.7%	0.000	1.719	N/A
Genital, extra low	14,316	0.333	0.6%	0.000	1.995	N/A
Hematological, extra high	12	21.738	0.0%	0.000	28.509	N/A
Hematological, very high	388	2.711	0.0%	0.000	9.746	N/A
Hematological, low to medium	15,778	0.388	0.6%	0.000	2.179	N/A
Infectious, very high	141	1.226	0.0%	0.018	3.968	N/A
Infectious, high	2,927	0.583	0.1%	0.000	2.913	N/A
Metabolic, high	9,487	1.437	0.4%	0.000	3.916	N/A
Metabolic, medium	7,079	0.673	0.3%	0.000	3.204	N/A
Pregnancy, complete	5,608	0.379	0.2%	0.000	1.884	N/A
Pregnancy, incomplete	3,020	3.031	0.1%	0.000	4.456	N/A
Psychiatric, high	841	3.981	0.0%	0.000	5.372	N/A
Psychiatric, medium	9,624	2.298	0.4%	0.000	3.581	N/A
Psychiatric, low	374,386	1.069	14.7%	0.000	2.031	N/A
Pulmonary, very high	2,023	5.225	0.1%	0.000	7.776	N/A
Pulmonary, high	3,514	0.721	0.1%	0.000	2.141	N/A
Pulmonary, medium	15,609	0.588	0.6%	0.000	2.088	N/A
Pulmonary, low	207,288	0.502	8.2%	0.000	1.650	N/A
Rare Diseases	206	19.703	0.0%	0.000	22.352	N/A
Renal, extra high	51	3.719	0.0%	0.000	7.804	N/A
Renal, medium	1,388	1.263	0.1%	0.000	3.992	N/A
Renal, low	20,353	0.495	0.8%	0.000	2.004	N/A
Skeletal, medium	204,512	0.416	8.0%	0.000	1.660	N/A
Skeletal, very low to low	86,967	0.284	3.4%	0.000	1.467	N/A
Skin, very low to high	92,647	0.235	3.6%	0.000	1.460	N/A
Substance abuse, very low to low	5,177	0.463	0.2%	0.000	2.795	N/A

¹ CY 2022 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4F			
Mississippi Division of Medicaid			
SFY 2024 MississippiCAN Risk Weight Development - Effective January to June 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - MississippiCAN Children Rate Cells			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, very high	5.506
CANH	Cancer, high	Cancer, medium to high	3.976
CANM	Cancer, medium	Cancer, medium to high	3.976
CANL	Cancer, low	Not Used	Not Used
CARVH	Cardiovascular, very high	Cardiovascular, very high	2.740
CARM	Cardiovascular, medium	Cardiovascular, medium	0.462
CARL	Cardiovascular, low	Cardiovascular, low	0.450
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.259
CERM	Cerebrovascular, medium	Cerebrovascular, medium	1.635
CNSH	CNS, high	CNS, high	2.669
CNSM	CNS, medium	CNS, medium	0.897
CNSL	CNS, low	CNS, low	0.706
DDM	DD, medium	DD, low to medium	1.626
DDL	DD, low	DD, low to medium	1.626
DIA1	Diabetes, type 1	Diabetes, type 1	4.912
DIA2	Diabetes, type 2	Diabetes, type 2	1.003
EYEL	Eye, low	Eye, very low to extra low	0.287
EYEVL	Eye, very low	Eye, very low to extra low	0.287
GIH	Gastro, high	Gastro, high	4.073
GIM	Gastro, medium	Gastro, medium	3.246
GIL	Gastro, low	Gastro, low	0.419
GENEL	Genital, extra low	Genital, extra low	0.333
HEMEH	Hematological, extra high	Hematological, extra high	21.738
HEMVH	Hematological, very high	Hematological, very high	2.711
HEMM	Hematological, medium	Hematological, low to medium	0.388
HEML	Hematological, low	Hematological, low to medium	0.388
INFVH	Infectious, very high	Infectious, very high	1.226
INFH	Infectious, high	Infectious, high	0.583
INFM	Infectious, medium	Not Used	Not Used
INFL	Infectious, low	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	1.437
METM	Metabolic, medium	Metabolic, medium	0.673
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.379
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	3.031
PSYH	Psychiatric, high	Psychiatric, high	3.981
PSYM	Psychiatric, medium	Psychiatric, medium	2.298
PSYL	Psychiatric, low	Psychiatric, low	1.069
PULVH	Pulmonary, very high	Pulmonary, very high	5.225
PULH	Pulmonary, high	Pulmonary, high	0.721
PULM	Pulmonary, medium	Pulmonary, medium	0.588
PULL	Pulmonary, low	Pulmonary, low	0.502
RENEH	Renal, extra high	Renal, extra high	3.719
RENM	Renal, medium	Renal, medium	1.263
RENL	Renal, low	Renal, low	0.495
SKCM	Skeletal, medium	Skeletal, medium	0.416
SKCL	Skeletal, low	Skeletal, very low to low	0.284
SKCVL	Skeletal, very low	Skeletal, very low to low	0.284
SKNH	Skin, high	Skin, very low to high	0.235
SKNL	Skin, low	Skin, very low to high	0.235
SKNVL	Skin, very low	Skin, very low to high	0.235
SUBL	Substance abuse, low	Substance abuse, very low to low	0.463
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.463
MRX1	Anti-coagulants	Cardiovascular, medium	0.462
MRX2	Cardiac	Cardiovascular, extra low	0.259
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	1.069
MRX4	Diabetes	Diabetes, type 2	1.003
MRX5	Hemophilia/von Willebrands	Hematological, extra high	21.738
MRX6	Hepatitis	Not Used	Not Used
MRX7	HIV	Not Used	Not Used
MRX8	Infections, high	Infectious, high	0.583
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.416
MRX10	Malignancies	Cancer, medium to high	3.976
MRX11	Multiple Sclerosis / Paralysis	CNS, high	2.669
MRX12	Parkinsons / Tremor	CNS, low	0.706
MRX13	Rare Diseases	Rare Diseases	19.703
MRX14	Seizure disorders	CNS, low	0.706
MRX15	Tuberculosis	Not Used	Not Used

Exhibit 5A
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2024

Region:		North							
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0083	\$1,190.00	\$1,199.89	\$310.00	\$160.00	\$10.00	\$4.00	\$484.00	\$1,683.89
Molina	0.9566	\$1,190.00	\$1,138.39	\$310.00	\$160.00	\$10.00	\$4.00	\$484.00	\$1,622.39
United	1.0048	\$1,190.00	\$1,195.66	\$310.00	\$160.00	\$10.00	\$4.00	\$484.00	\$1,679.66
MA Adult									
Magnolia	1.0202	\$530.00	\$540.68	\$150.00	\$160.00	\$10.00	\$4.00	\$324.00	\$864.68
Molina	0.9554	\$530.00	\$506.38	\$150.00	\$160.00	\$10.00	\$4.00	\$324.00	\$830.38
United	1.0097	\$530.00	\$535.12	\$150.00	\$160.00	\$10.00	\$4.00	\$324.00	\$859.12
MA Children									
Magnolia	1.0035	\$230.00	\$230.81	\$40.00	\$160.00	\$10.00	\$4.00	\$214.00	\$444.81
Molina	0.9574	\$230.00	\$220.19	\$40.00	\$160.00	\$10.00	\$4.00	\$214.00	\$434.19
United	1.0211	\$230.00	\$234.85	\$40.00	\$160.00	\$10.00	\$4.00	\$214.00	\$448.85
Quasi-CHIP									
Magnolia	0.9999	\$250.00	\$249.98	\$40.00	\$160.00	\$10.00	\$4.00	\$214.00	\$463.98
Molina	0.9657	\$250.00	\$241.44	\$40.00	\$160.00	\$10.00	\$4.00	\$214.00	\$455.44
United	1.0167	\$250.00	\$254.18	\$40.00	\$160.00	\$10.00	\$4.00	\$214.00	\$468.18
Foster Care									
Magnolia	0.9821	\$720.00	\$707.09	\$340.00	\$160.00	\$10.00	\$4.00	\$514.00	\$1,221.09
Molina	1.0969	\$720.00	\$789.78	\$340.00	\$160.00	\$10.00	\$4.00	\$514.00	\$1,303.78
United	1.0037	\$720.00	\$722.70	\$340.00	\$160.00	\$10.00	\$4.00	\$514.00	\$1,236.70

¹ Capitation rates reflect the removal of the quality withhold.

² Includes associated premium tax.

Exhibit 5B
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2024

Region:		Central							
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0132	\$1,360.00	\$1,378.00	\$380.00	\$160.00	\$10.00	\$4.00	\$554.00	\$1,932.00
Molina	0.9623	\$1,360.00	\$1,308.76	\$380.00	\$160.00	\$10.00	\$4.00	\$554.00	\$1,862.76
United	0.9967	\$1,360.00	\$1,355.48	\$380.00	\$160.00	\$10.00	\$4.00	\$554.00	\$1,909.48
MA Adult									
Magnolia	1.0150	\$570.00	\$578.57	\$170.00	\$160.00	\$10.00	\$4.00	\$344.00	\$922.57
Molina	0.9645	\$570.00	\$549.75	\$170.00	\$160.00	\$10.00	\$4.00	\$344.00	\$893.75
United	1.0112	\$570.00	\$576.39	\$170.00	\$160.00	\$10.00	\$4.00	\$344.00	\$920.39
MA Children									
Magnolia	1.0113	\$240.00	\$242.72	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$466.72
Molina	0.9514	\$240.00	\$228.33	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$452.33
United	1.0180	\$240.00	\$244.33	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$468.33
Quasi-CHIP									
Magnolia	1.0057	\$260.00	\$261.49	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$485.49
Molina	0.9764	\$260.00	\$253.85	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$477.85
United	1.0059	\$260.00	\$261.55	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$485.55
Foster Care									
Magnolia	0.9655	\$750.00	\$724.12	\$460.00	\$160.00	\$10.00	\$4.00	\$634.00	\$1,358.12
Molina	1.1427	\$750.00	\$857.01	\$460.00	\$160.00	\$10.00	\$4.00	\$634.00	\$1,491.01
United	1.0195	\$750.00	\$764.61	\$460.00	\$160.00	\$10.00	\$4.00	\$634.00	\$1,398.61

¹ Capitation rates reflect the removal of the quality withhold

² Includes associated premium tax

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2024

Region:		South							
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0141	\$1,380.00	\$1,399.45	\$370.00	\$160.00	\$10.00	\$4.00	\$544.00	\$1,943.45
Molina	0.9755	\$1,380.00	\$1,346.16	\$370.00	\$160.00	\$10.00	\$4.00	\$544.00	\$1,890.16
United	0.9946	\$1,380.00	\$1,372.53	\$370.00	\$160.00	\$10.00	\$4.00	\$544.00	\$1,916.53
MA Adult									
Magnolia	1.0155	\$570.00	\$578.82	\$170.00	\$160.00	\$10.00	\$4.00	\$344.00	\$922.82
Molina	0.9497	\$570.00	\$541.35	\$170.00	\$160.00	\$10.00	\$4.00	\$344.00	\$885.35
United	1.0215	\$570.00	\$582.25	\$170.00	\$160.00	\$10.00	\$4.00	\$344.00	\$926.25
MA Children									
Magnolia	0.9991	\$230.00	\$229.80	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$453.80
Molina	0.9600	\$230.00	\$220.80	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$444.80
United	1.0245	\$230.00	\$235.63	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$459.63
Quasi-CHIP									
Magnolia	0.9850	\$250.00	\$246.24	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$470.24
Molina	0.9708	\$250.00	\$242.70	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$466.70
United	1.0273	\$250.00	\$256.83	\$50.00	\$160.00	\$10.00	\$4.00	\$224.00	\$480.83
Foster Care									
Magnolia	0.9650	\$710.00	\$685.18	\$270.00	\$160.00	\$10.00	\$4.00	\$444.00	\$1,129.18
Molina	1.1425	\$710.00	\$811.17	\$270.00	\$160.00	\$10.00	\$4.00	\$444.00	\$1,255.17
United	1.0162	\$710.00	\$721.50	\$270.00	\$160.00	\$10.00	\$4.00	\$444.00	\$1,165.50

¹ Capitation rates reflect the removal of the quality withhold.

² Includes associated premium tax.



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

October 31, 2024

Jennifer Wentworth
Deputy Executive Director, Finance
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Wentworth15 - MississippiCAN Capitation Risk Adjustment – Q3 to Q4 2024 Prospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2025, which are documented in a separately provided report¹ As outlined in that report and summarized by Table 1, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 Q3 to Q4 2024 MississippiCAN Risk Scores Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective July 1, 2024 through December 31, 2024 (Q3 to Q4 2024) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2025. Risk scores for January through June 2025 (Q1 to Q2 2025) will be provided in a separate letter.

As described in greater detail below, we develop Q3 to Q4 2024 risk scores using diagnoses from January 2023 to December 2023 (CY 2023) and the enrollment mix for each CCO as of June 2024. In addition, we adjusted the enrollment records to identify MYPAC rate cell members that were incorrectly assigned to other children rate cells.

Please note, the Foster Care risk scores issued in this report are preliminary estimates and will be trued up to actual enrollment retrospectively. The time periods involved in truing up Foster Care risk adjustment are described in greater detail below.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q3 to Q4 2024 were developed using:

- Diagnosis Period: Medical and drug diagnosis information from encounter and FFS claims incurred during CY 2023 with runout through April 26, 2024.
- Enrollment Period: Demographic and enrollment information from June 2024.

¹ "Report12 - SFY 2025 Preliminary MississippiCAN Rate Calculation and Certification.pdf," dated September 5, 2024.



Table 2
Q3 to Q4 2024 MississippiCAN Risk Scores
Based on CY 2023 Diagnosis Period and June 2024 Enrollment

Rate Cell	CCO	North		Central		South	
		Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	9,571	0.998	10,165	1.008	7,087	1.017
Non-Newborn SSI / Disabled	Molina	2,747	0.993	2,909	0.998	2,472	1.000
Non-Newborn SSI / Disabled	United	8,097	1.005	8,159	0.990	7,411	0.984
MA Adult	Magnolia	6,030	1.010	6,716	1.019	6,397	1.020
MA Adult	Molina	3,998	0.973	4,891	0.970	5,175	0.962
MA Adult	United	5,575	1.008	6,341	1.003	7,380	1.010
MA Children	Magnolia	29,925	1.003	35,082	1.012	29,290	1.002
MA Children	Molina	16,858	0.967	20,499	0.961	18,911	0.961
MA Children	United	27,931	1.016	32,384	1.012	31,478	1.021
Quasi-CHIP	Magnolia	3,805	1.002	4,326	1.016	3,286	0.994
Quasi-CHIP	Molina	1,949	0.973	2,175	0.955	2,001	0.965
Quasi-CHIP	United	3,842	1.012	4,271	1.007	3,766	1.024
Foster Care	Magnolia	1,519	0.984	1,570	0.970	2,155	0.969
Foster Care	Molina	251	1.080	315	1.149	445	1.159
Foster Care	United	516	1.007	459	1.002	669	0.994

Prior iterations of risk scores relied on actual enrollment during the risk adjustment period, due to data issues and the impact of different enrollment patterns during the COVID-19 pandemic and related public health emergency (PHE). This release of risk scores for July to December 2024 is a return to using a snapshot of enrollment to prospectively set risk scores.

Only MississippiCAN-eligible members enrolled in a CCO during June 2024 were considered in this analysis. Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found on the enrollment record, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data, is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information. In addition, for some populations a variable based upon the length of enrollment during the diagnostic period is included in the risk score calculation.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment records.

Starting in July 2021, some members in the MYPAC rate cell, which is not risk adjusted, were not correctly assigned a 'SED' lock-in flag and were instead assigned to other children rate cells, including several rate cells that are risk adjusted. We identified members that utilized MYPAC services during the risk adjustment period and recategorized these members to the MYPAC rate cell for the purposes of risk adjustment calculations.

A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members aged 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2025 for all rate cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.

Risk Score Changes

The last release of risk scores included retrospective budget-neutral risk scores for Q1 to Q2 2024. These risk scores were based on January to June 2024 enrollment and diagnoses from May 2022 through April 2023 with runout through



April 2024. Changes in budget-neutral plan risk scores between the Q1 to Q2 2024 risk scores and the Q3 to Q4 2024 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes. Additionally, new risk weights were developed for the Q3 to Q4 2024 time period to reflect the removal of certain pharmacy claims that will now be paid through DOM's pharmacy benefits administrator (PBA), effective July 1, 2024. The development of these risk weights is documented in a separate letter.²

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column.

Table 3 Q3 to Q4 2024 MississippiCAN Risk Scores Changes in Statewide Budget Neutral Risk Scores Q1 to Q2 2024 vs. Q3 to Q4 2024				
	Risk Scores:		Q1 to Q2 2024	Q3 to Q4 2024
	Enrollment:		Jan to Jun 2024	June 2024
Cohort	Diagnosis Period:	May 2022 to April 2023	CY 2023	% Change
Non-Newborn SSI / Disabled	Magnolia	1.012	1.007	-0.49%
Non-Newborn SSI / Disabled	Molina	0.964	0.997	3.39%
Non-Newborn SSI / Disabled	United	0.999	0.993	-0.55%
MA Adult	Magnolia	1.017	1.016	-0.03%
MA Adult	Molina	0.956	0.968	1.20%
MA Adult	United	1.015	1.007	-0.76%
MA Children	Magnolia	1.005	1.006	0.11%
MA Children	Molina	0.956	0.963	0.70%
MA Children	United	1.021	1.017	-0.46%
Quasi-CHIP	Magnolia	0.998	1.005	0.72%
Quasi-CHIP	Molina	0.971	0.964	-0.77%
Quasi-CHIP	United	1.016	1.014	-0.25%
Foster Care	Magnolia	0.970	0.974	0.35%
Foster Care	Molina	1.131	1.136	0.48%
Foster Care	United	1.013	1.000	-1.27%

Exhibit 2 allocates the change in risk scores between the last release and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable.
- Column B: Updates the risk scores shown in Column A with an updated diagnosis period.
- Column C: Updates the risk scores shown in Column B with enrollment from June 2024, the snapshot enrollment month chosen to represent enrollment for July to December 2024.
- Column D: Updates the risk scores shown in Column C using the new risk weights developed for July to December 2024. This column contains the final risk scores for this release.

Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2 since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the last release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.

² "Wentworth15 - July 2024 MSCAN Risk Weight Development.pdf" dated October 31, 2024.



Table 4 Q3 to Q4 2024 MississippiCAN Risk Scores Statewide Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q1 to Q2 2024	97%	93%	96%	96%
Q3 to Q4 2024	98%	96%	98%	98%
MA Adult				
Q1 to Q2 2024	91%	89%	90%	90%
Q3 to Q4 2024	94%	94%	94%	94%
MA Children				
Q1 to Q2 2024	94%	92%	94%	94%
Q3 to Q4 2024	97%	96%	97%	97%
Quasi-CHIP				
Q1 to Q2 2024	96%	93%	95%	95%
Q3 to Q4 2024	97%	96%	97%	97%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Note, a single exhibit is provided for the Foster Care rate cell.

Table 5 Q3 to Q4 2024 MississippiCAN Risk Scores Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- **Scored Members**
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category
 - Count of members falling into each durational category
 - Count of members in the non-utilizer category
 - Count of members assigned to the housing insecurity category, for applicable populations
 - Disease category prevalence
 - Count of members not assigned to a CDPS + Rx category
- **Unscored Members**
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- **Risk Adjustment Results**
 - Calculation of budget neutral risk score for scored and unscored members and in total



Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell since risk scores for that population do not utilize diagnostic information.

Table 6 Q3 to Q4 2024 MississippiCAN Risk Scores Conditions with the Top Five Disease Impacts Statewide Results				
Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, low to medium	Skeletal, medium	Psychiatric, low	Psychiatric, low
2	Cardiovascular, medium	Psychiatric, low	Skeletal, very low to medium	Skeletal, very low to medium
3	Skeletal, medium	Pregnancy, incomplete	Pulmonary, low	Pulmonary, low
4	Psychiatric, high	Gastro, low	Gastro, low	Diabetes, type 1
5	CNS, low	Pregnancy, complete	CNS, low	Gastro, low

Member-Level Risk Scores

Text files providing member-level demographic, duration, diagnosis, and other risk score category information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, durational, diagnostic, and other risk score category information for each member
- The “unscored” extract provides only demographic information for each member

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the letter referenced above that describes the custom risk weight model developed for July to December 2024 for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis.

Exhibits 4A to 4F display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

CCO Capitation Rate = Base Capitation Rate x CCO Budget Neutral Risk Score

The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates after the application of the quality withhold and prior to the following directed payments, all of which are not risk adjusted.



- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

Next Steps – Foster Care Population

The above tables and attached exhibits contain preliminary risk scores for the Foster Care rate cell. These risk scores have been developed using the same enrollment period as the other rate cells. To calculate final risk scores for the Foster Care rate cell, we require actual enrollment from the risk adjusted period, and thus these risk scores must be calculated after the risk adjusted period has elapsed.

Table 7 summarizes the rating periods for SFY 2025 and when we anticipate providing each risk score update for the Foster Care rate cell.

Table 7 SFY 2025 MississippiCAN Risk Adjustment Foster Care Risk Adjustment Periods		
Rating Period	Preliminary Risk Score Release Date	Final Risk Score Release Date
Q3Q4 2024	November 2024	February 2025
Q1Q2 2025	December 2024	August 2025

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q3 to Q4 2024 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from January 2023 to December 2023 with runout through April 26, 2024, along with eligibility data from June 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q3 to Q4 2024 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.





Jennifer Wentworth
Mississippi Division of Medicaid
October 31, 2024
Page 7 of 7

Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jill Bruckert'.

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachments (Provided in Excel)

A handwritten signature in black ink, appearing to read 'Katarina Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

Caveats and Limitations
Mississippi Division of Medicaid
Q3 to Q4 2024 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q3 to Q4 2024 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from January 2023 through December 2023 with runout through April 2024 and eligibility data from June 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q3 to Q4 2024 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2024 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1A
Mississippi Division of Medicaid
Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	9,429	0.938	0.998	142	1.041	0.996	0.998
Molina	2,647	0.934	0.994	100	1.027	0.982	0.993
United	7,941	0.944	1.004	156	1.062	1.015	1.005
Total	20,017	0.940	1.000	398	1.046	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	10,033	1.022	1.008	132	1.108	1.034	1.008
Molina	2,815	1.012	0.998	94	1.082	1.010	0.998
United	8,042	1.005	0.991	117	1.022	0.954	0.990
Total	20,890	1.014	1.000	343	1.072	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,944	1.067	1.017	143	1.047	0.981	1.017
Molina	2,364	1.049	1.000	108	1.069	1.001	1.000
United	7,251	1.032	0.983	160	1.085	1.016	0.984
Total	16,559	1.049	1.000	411	1.068	1.000	1.000

Exhibit 1B
Mississippi Division of Medicaid
MA Adult Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	5,678	0.976	1.011	352	0.939	0.997	1.010
Molina	3,710	0.939	0.972	288	0.930	0.988	0.973
United	5,247	0.973	1.008	328	0.954	1.013	1.008
Total	14,635	0.966	1.000	968	0.942	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,354	0.994	1.020	362	0.956	1.000	1.019
Molina	4,607	0.943	0.968	284	0.952	0.995	0.970
United	5,985	0.977	1.003	356	0.960	1.004	1.003
Total	16,946	0.974	1.000	1,002	0.956	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,018	1.030	1.021	379	0.947	0.998	1.020
Molina	4,846	0.968	0.959	329	0.948	0.998	0.962
United	6,989	1.019	1.010	391	0.953	1.004	1.010
Total	17,853	1.009	1.000	1,099	0.949	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	29,017	1.007	1.004	908	0.997	0.996	1.003
Molina	16,168	0.970	0.966	690	0.993	0.992	0.967
United	27,064	1.020	1.016	867	1.011	1.010	1.016
Total	72,249	1.004	1.000	2,465	1.001	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	34,402	1.004	1.012	680	0.994	0.998	1.012
Molina	19,834	0.952	0.959	665	0.994	0.999	0.961
United	31,627	1.005	1.013	757	0.999	1.003	1.012
Total	85,863	0.993	1.000	2,102	0.996	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	28,413	1.026	1.002	877	0.995	0.998	1.002
Molina	18,084	0.982	0.960	827	0.992	0.995	0.961
United	30,615	1.046	1.022	863	1.005	1.007	1.021
Total	77,112	1.023	1.000	2,567	0.997	1.000	1.000

Exhibit 1D
Mississippi Division of Medicaid
Quasi-CHIP Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,692	1.022	1.002	113	1.005	1.004	1.002
Molina	1,860	0.991	0.972	89	0.995	0.994	0.973
United	3,721	1.033	1.012	121	1.002	1.001	1.012
Total	9,273	1.020	1.000	323	1.001	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	4,220	1.021	1.016	106	1.015	1.020	1.016
Molina	2,109	0.959	0.954	66	0.987	0.992	0.955
United	4,179	1.012	1.007	92	0.977	0.982	1.007
Total	10,508	1.005	1.000	264	0.995	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,208	1.059	0.994	78	1.019	1.011	0.994
Molina	1,930	1.027	0.963	71	1.005	0.996	0.965
United	3,663	1.092	1.025	103	1.003	0.994	1.024
Total	8,801	1.066	1.000	252	1.009	1.000	1.000

Exhibit 1E
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q3 to Q4 2024 Risk Scores
June 2024 Snapshot Period

North Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,519	0.941	0.984
Molina	251	1.033	1.080
United	516	0.964	1.007
Total	2,286	0.956	1.000

Central Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,570	1.011	0.970
Molina	315	1.197	1.149
United	459	1.044	1.002
Total	2,344	1.042	1.000

South Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	2,155	0.912	0.969
Molina	445	1.092	1.159
United	669	0.936	0.994
Total	3,269	0.942	1.000

Exhibit 2A Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.943	0.964	0.957	0.938	2.3%	-0.7%	-2.0%	-0.5%
Molina	0.894	0.922	0.907	0.934	3.2%	-1.6%	2.9%	4.5%
United	0.939	0.959	0.951	0.944	2.1%	-0.8%	-0.7%	0.5%
Unscored Members								
Magnolia	1.050	1.034	1.032	1.041	-1.6%	-0.1%	0.9%	-0.8%
Molina	1.007	1.033	1.001	1.027	2.6%	-3.1%	2.6%	2.0%
United	1.056	1.064	1.054	1.062	0.8%	-0.9%	0.7%	0.5%
All Members								
Magnolia	0.947	0.965	0.959	0.940	1.9%	-0.7%	-1.9%	-0.7%
Molina	0.898	0.924	0.909	0.936	2.9%	-1.6%	2.9%	4.2%
United	0.943	0.960	0.953	0.946	1.8%	-0.7%	-0.7%	0.3%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.020	1.045	1.038	1.022	2.4%	-0.7%	-1.5%	0.2%
Molina	0.966	0.980	0.968	1.012	1.5%	-1.2%	4.6%	4.8%
United	1.004	1.028	1.021	1.005	2.4%	-0.7%	-1.6%	0.1%
Unscored Members								
Magnolia	1.056	1.090	1.111	1.108	3.2%	1.9%	-0.2%	4.9%
Molina	1.070	1.090	1.071	1.082	1.8%	-1.8%	1.1%	1.1%
United	1.049	1.037	1.031	1.022	-1.1%	-0.6%	-0.9%	-2.6%
All Members								
Magnolia	1.022	1.046	1.039	1.024	2.4%	-0.7%	-1.5%	0.2%
Molina	0.970	0.982	0.970	1.013	1.2%	-1.2%	4.4%	4.4%
United	1.005	1.028	1.021	1.005	2.3%	-0.7%	-1.5%	0.0%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.046	1.076	1.063	1.067	2.9%	-1.2%	0.4%	2.1%
Molina	1.006	1.030	1.017	1.049	2.3%	-1.2%	3.1%	4.3%
United	1.025	1.045	1.034	1.032	2.0%	-1.1%	-0.3%	0.6%
Unscored Members								
Magnolia	1.075	1.058	1.057	1.047	-1.7%	-0.1%	-0.9%	-2.6%
Molina	1.036	1.061	1.058	1.069	2.4%	-0.3%	1.0%	3.2%
United	1.067	1.072	1.077	1.085	0.5%	0.5%	0.7%	1.7%
All Members								
Magnolia	1.047	1.076	1.063	1.067	2.7%	-1.2%	0.4%	1.9%
Molina	1.007	1.030	1.019	1.049	2.3%	-1.1%	3.0%	4.2%
United	1.027	1.046	1.035	1.033	1.8%	-1.0%	-0.2%	0.6%

Exhibit 2B Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.008	1.008	1.009	0.998	0.0%	0.1%	-1.1%	-1.0%
Molina	0.956	0.964	0.957	0.994	0.9%	-0.8%	3.9%	4.0%
United	1.004	1.002	1.003	1.004	-0.2%	0.1%	0.1%	0.0%
Unscored Members								
Magnolia	1.009	0.990	0.999	0.996	-1.9%	1.0%	-0.4%	-1.3%
Molina	0.967	0.989	0.969	0.982	2.2%	-2.0%	1.3%	1.6%
United	1.014	1.019	1.020	1.015	0.4%	0.2%	-0.5%	0.1%
All Members								
Magnolia	1.008	1.008	1.009	0.998	0.0%	0.1%	-1.1%	-1.0%
Molina	0.957	0.965	0.957	0.993	0.9%	-0.8%	3.8%	3.9%
United	1.005	1.003	1.003	1.005	-0.2%	0.1%	0.1%	0.0%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.014	1.015	1.015	1.008	0.1%	0.1%	-0.7%	-0.6%
Molina	0.959	0.952	0.947	0.998	-0.8%	-0.5%	5.3%	4.0%
United	0.997	0.998	0.999	0.991	0.1%	0.1%	-0.8%	-0.6%
Unscored Members								
Magnolia	0.999	1.017	1.036	1.034	1.8%	1.8%	-0.1%	3.5%
Molina	1.012	1.017	0.998	1.010	0.5%	-1.9%	1.2%	-0.3%
United	0.992	0.968	0.961	0.954	-2.5%	-0.7%	-0.8%	-3.9%
All Members								
Magnolia	1.013	1.015	1.016	1.008	0.2%	0.1%	-0.7%	-0.5%
Molina	0.962	0.953	0.949	0.998	-1.0%	-0.4%	5.2%	3.7%
United	0.997	0.998	0.999	0.990	0.1%	0.1%	-0.8%	-0.6%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.014	1.019	1.018	1.017	0.5%	-0.1%	-0.1%	0.3%
Molina	0.975	0.975	0.974	1.000	-0.1%	-0.1%	2.6%	2.5%
United	0.994	0.990	0.991	0.983	-0.4%	0.1%	-0.7%	-1.1%
Unscored Members								
Magnolia	1.013	0.994	0.992	0.981	-1.9%	-0.1%	-1.2%	-3.2%
Molina	0.976	0.997	0.993	1.001	2.2%	-0.4%	0.8%	2.5%
United	1.005	1.007	1.012	1.016	0.2%	0.4%	0.5%	1.1%
All Members								
Magnolia	1.014	1.019	1.018	1.017	0.4%	-0.1%	-0.1%	0.3%
Molina	0.975	0.976	0.975	1.000	0.0%	0.0%	2.5%	2.5%
United	0.995	0.990	0.991	0.984	-0.4%	0.1%	-0.7%	-1.1%

Exhibit 2C Mississippi Division of Medicaid Impact Analysis MA Adult Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.987	0.982	0.968	0.976	-0.5%	-1.4%	0.9%	-1.1%
Molina	0.918	0.920	0.914	0.939	0.2%	-0.7%	2.7%	2.2%
United	0.977	0.972	0.963	0.973	-0.4%	-1.0%	1.1%	-0.3%
Unscored Members								
Magnolia	0.976	0.953	0.957	0.939	-2.3%	0.4%	-1.8%	-3.8%
Molina	0.961	0.944	0.944	0.930	-1.8%	0.0%	-1.4%	-3.2%
United	0.970	0.970	0.972	0.954	0.1%	0.2%	-1.8%	-1.6%
All Members								
Magnolia	0.986	0.980	0.967	0.974	-0.6%	-1.3%	0.7%	-1.2%
Molina	0.923	0.922	0.916	0.938	-0.2%	-0.6%	2.5%	1.6%
United	0.976	0.972	0.963	0.972	-0.4%	-0.9%	0.9%	-0.4%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.988	0.994	0.993	0.994	0.7%	-0.2%	0.1%	0.6%
Molina	0.935	0.926	0.921	0.943	-1.0%	-0.5%	2.4%	0.9%
United	0.983	0.986	0.973	0.977	0.4%	-1.3%	0.4%	-0.6%
Unscored Members								
Magnolia	0.978	0.975	0.972	0.956	-0.3%	-0.3%	-1.6%	-2.2%
Molina	0.966	0.951	0.958	0.952	-1.5%	0.6%	-0.6%	-1.5%
United	0.989	0.982	0.983	0.960	-0.7%	0.1%	-2.4%	-3.0%
All Members								
Magnolia	0.987	0.994	0.992	0.992	0.7%	-0.2%	0.0%	0.5%
Molina	0.938	0.927	0.923	0.944	-1.2%	-0.4%	2.2%	0.6%
United	0.983	0.986	0.974	0.976	0.3%	-1.3%	0.2%	-0.7%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.032	1.036	1.030	1.030	0.4%	-0.6%	0.0%	-0.2%
Molina	0.958	0.960	0.954	0.968	0.1%	-0.6%	1.5%	1.0%
United	1.039	1.037	1.028	1.019	-0.2%	-0.9%	-0.8%	-1.9%
Unscored Members								
Magnolia	0.970	0.959	0.961	0.947	-1.2%	0.2%	-1.5%	-2.4%
Molina	0.964	0.957	0.954	0.948	-0.7%	-0.3%	-0.7%	-1.7%
United	0.968	0.959	0.960	0.953	-1.0%	0.1%	-0.8%	-1.6%
All Members								
Magnolia	1.026	1.033	1.026	1.025	0.7%	-0.7%	-0.1%	-0.1%
Molina	0.960	0.960	0.954	0.967	0.0%	-0.6%	1.4%	0.8%
United	1.032	1.034	1.024	1.016	0.1%	-0.9%	-0.8%	-1.6%

Exhibit 2D Mississippi Division of Medicaid Impact Analysis MA Adult Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.022	1.019	1.016	1.011	-0.2%	-0.3%	-0.5%	-1.0%
Molina	0.951	0.956	0.959	0.972	0.5%	0.4%	1.3%	2.3%
United	1.011	1.010	1.011	1.008	-0.1%	0.1%	-0.3%	-0.3%
Unscored Members								
Magnolia	1.007	0.997	0.999	0.997	-1.0%	0.2%	-0.1%	-1.0%
Molina	0.991	0.987	0.985	0.988	-0.4%	-0.2%	0.3%	-0.3%
United	1.000	1.014	1.014	1.013	1.4%	0.0%	-0.1%	1.3%
All Members								
Magnolia	1.020	1.018	1.015	1.010	-0.2%	-0.3%	-0.5%	-1.0%
Molina	0.955	0.957	0.961	0.973	0.2%	0.4%	1.2%	1.8%
United	1.010	1.010	1.011	1.008	0.0%	0.1%	-0.3%	-0.1%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.017	1.022	1.027	1.020	0.5%	0.5%	-0.7%	0.4%
Molina	0.962	0.952	0.953	0.968	-1.1%	0.2%	1.6%	0.6%
United	1.011	1.014	1.007	1.003	0.2%	-0.7%	-0.4%	-0.8%
Unscored Members								
Magnolia	0.999	1.004	1.000	1.000	0.5%	-0.4%	0.0%	0.1%
Molina	0.987	0.980	0.985	0.995	-0.7%	0.5%	1.0%	0.8%
United	1.011	1.012	1.012	1.004	0.1%	0.0%	-0.8%	-0.7%
All Members								
Magnolia	1.015	1.021	1.026	1.019	0.6%	0.5%	-0.6%	0.4%
Molina	0.964	0.953	0.955	0.970	-1.2%	0.2%	1.5%	0.5%
United	1.011	1.014	1.007	1.003	0.2%	-0.6%	-0.4%	-0.8%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.017	1.020	1.021	1.021	0.3%	0.1%	0.0%	0.4%
Molina	0.944	0.945	0.946	0.959	0.1%	0.1%	1.4%	1.6%
United	1.024	1.021	1.019	1.010	-0.3%	-0.1%	-0.9%	-1.3%
Unscored Members								
Magnolia	1.003	1.000	1.002	0.998	-0.2%	0.2%	-0.5%	-0.5%
Molina	0.996	0.999	0.995	0.998	0.3%	-0.3%	0.3%	0.3%
United	1.001	1.001	1.001	1.004	0.0%	0.1%	0.2%	0.3%
All Members								
Magnolia	1.015	1.019	1.020	1.020	0.4%	0.1%	-0.1%	0.4%
Molina	0.950	0.947	0.949	0.962	-0.3%	0.2%	1.4%	1.3%
United	1.021	1.020	1.018	1.010	-0.1%	-0.2%	-0.8%	-1.1%

Exhibit 2E Mississippi Division of Medicaid Impact Analysis MA Children Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.017	1.028	1.027	1.007	1.1%	0.0%	-2.0%	-0.9%
Molina	0.966	0.973	0.976	0.970	0.7%	0.3%	-0.6%	0.4%
United	1.035	1.042	1.044	1.020	0.6%	0.2%	-2.3%	-1.5%
Unscored Members								
Magnolia	0.975	0.997	0.994	0.997	2.3%	-0.3%	0.4%	2.3%
Molina	0.971	0.994	0.990	0.993	2.4%	-0.4%	0.3%	2.3%
United	0.979	1.011	1.011	1.011	3.2%	0.1%	0.0%	3.3%
All Members								
Magnolia	1.014	1.027	1.026	1.007	1.3%	-0.1%	-1.9%	-0.7%
Molina	0.967	0.974	0.976	0.971	0.7%	0.3%	-0.6%	0.4%
United	1.032	1.041	1.043	1.020	0.9%	0.2%	-2.3%	-1.2%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.011	1.021	1.021	1.004	1.0%	0.0%	-1.7%	-0.7%
Molina	0.947	0.951	0.954	0.952	0.3%	0.4%	-0.2%	0.5%
United	1.018	1.019	1.020	1.005	0.1%	0.0%	-1.4%	-1.3%
Unscored Members								
Magnolia	0.970	0.992	0.988	0.994	2.3%	-0.4%	0.6%	2.4%
Molina	0.964	0.989	0.989	0.994	2.6%	0.0%	0.5%	3.2%
United	0.972	0.997	0.999	0.999	2.6%	0.2%	0.0%	2.8%
All Members								
Magnolia	1.009	1.021	1.021	1.004	1.2%	0.0%	-1.6%	-0.5%
Molina	0.949	0.952	0.956	0.953	0.3%	0.4%	-0.2%	0.5%
United	1.016	1.019	1.019	1.005	0.3%	0.0%	-1.4%	-1.1%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.025	1.041	1.045	1.026	1.5%	0.3%	-1.8%	0.0%
Molina	0.982	0.981	0.994	0.982	0.0%	1.3%	-1.2%	0.0%
United	1.052	1.064	1.070	1.046	1.1%	0.5%	-2.2%	-0.6%
Unscored Members								
Magnolia	0.971	0.991	0.991	0.995	2.0%	0.0%	0.4%	2.5%
Molina	0.970	0.983	0.984	0.992	1.4%	0.2%	0.8%	2.3%
United	0.983	1.004	1.003	1.005	2.2%	-0.2%	0.2%	2.2%
All Members								
Magnolia	1.022	1.040	1.043	1.025	1.8%	0.3%	-1.7%	0.3%
Molina	0.982	0.982	0.994	0.983	0.0%	1.3%	-1.1%	0.1%
United	1.048	1.063	1.067	1.044	1.5%	0.4%	-2.2%	-0.3%

Exhibit 2F Mississippi Division of Medicaid Impact Analysis MA Children Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.004	1.007	1.005	1.004	0.3%	-0.1%	-0.1%	0.0%
Molina	0.954	0.953	0.955	0.966	-0.1%	0.2%	1.2%	1.3%
United	1.022	1.020	1.022	1.016	-0.2%	0.1%	-0.5%	-0.6%
Unscored Members								
Magnolia	1.000	0.996	0.995	0.996	-0.4%	-0.1%	0.1%	-0.3%
Molina	0.996	0.993	0.991	0.992	-0.3%	-0.2%	0.1%	-0.4%
United	1.004	1.010	1.012	1.010	0.6%	0.3%	-0.2%	0.7%
All Members								
Magnolia	1.004	1.006	1.005	1.003	0.3%	-0.2%	-0.1%	0.0%
Molina	0.957	0.954	0.956	0.967	-0.3%	0.2%	1.2%	1.0%
United	1.021	1.020	1.021	1.016	-0.1%	0.1%	-0.5%	-0.5%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.012	1.017	1.016	1.012	0.5%	-0.1%	-0.4%	0.0%
Molina	0.948	0.946	0.949	0.959	-0.2%	0.3%	1.1%	1.2%
United	1.019	1.015	1.014	1.013	-0.4%	-0.1%	-0.2%	-0.6%
Unscored Members								
Magnolia	1.001	0.999	0.996	0.998	-0.2%	-0.4%	0.2%	-0.4%
Molina	0.995	0.996	0.997	0.999	0.1%	0.1%	0.2%	0.4%
United	1.003	1.004	1.007	1.003	0.1%	0.3%	-0.4%	0.0%
All Members								
Magnolia	1.011	1.017	1.016	1.012	0.5%	-0.1%	-0.4%	0.0%
Molina	0.951	0.948	0.951	0.961	-0.4%	0.3%	1.0%	1.0%
United	1.018	1.015	1.014	1.012	-0.3%	-0.1%	-0.2%	-0.6%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.999	1.005	1.002	1.002	0.5%	-0.3%	0.0%	0.3%
Molina	0.957	0.947	0.953	0.960	-1.0%	0.7%	0.7%	0.3%
United	1.026	1.027	1.026	1.022	0.1%	-0.1%	-0.4%	-0.4%
Unscored Members								
Magnolia	0.996	0.998	0.998	0.998	0.2%	0.0%	0.0%	0.2%
Molina	0.995	0.990	0.991	0.995	-0.5%	0.2%	0.3%	0.0%
United	1.008	1.012	1.010	1.007	0.4%	-0.2%	-0.3%	-0.1%
All Members								
Magnolia	0.999	1.004	1.002	1.002	0.5%	-0.3%	0.0%	0.3%
Molina	0.960	0.948	0.955	0.961	-1.2%	0.7%	0.6%	0.1%
United	1.024	1.027	1.025	1.021	0.2%	-0.1%	-0.4%	-0.3%

Exhibit 2G Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.052	1.070	1.064	1.022	1.7%	-0.6%	-4.0%	-2.9%
Molina	1.013	1.018	1.016	0.991	0.5%	-0.1%	-2.5%	-2.1%
United	1.070	1.082	1.072	1.033	1.1%	-0.9%	-3.7%	-3.5%
Unscored Members								
Magnolia	1.019	1.015	1.022	1.005	-0.4%	0.7%	-1.6%	-1.3%
Molina	1.023	1.011	1.011	0.995	-1.2%	0.1%	-1.6%	-2.8%
United	1.029	1.017	1.018	1.002	-1.2%	0.1%	-1.6%	-2.6%
All Members								
Magnolia	1.051	1.069	1.062	1.021	1.7%	-0.6%	-3.9%	-2.8%
Molina	1.015	1.018	1.017	0.992	0.3%	-0.1%	-2.4%	-2.3%
United	1.068	1.081	1.070	1.032	1.2%	-1.0%	-3.6%	-3.4%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.032	1.058	1.059	1.021	2.5%	0.0%	-3.6%	-1.1%
Molina	1.001	1.009	0.993	0.959	0.8%	-1.7%	-3.4%	-4.3%
United	1.034	1.048	1.050	1.012	1.4%	0.1%	-3.6%	-2.1%
Unscored Members								
Magnolia	1.032	1.035	1.037	1.015	0.3%	0.1%	-2.1%	-1.7%
Molina	1.016	1.007	1.001	0.987	-0.9%	-0.6%	-1.4%	-2.9%
United	1.005	0.983	0.992	0.977	-2.2%	0.9%	-1.5%	-2.8%
All Members								
Magnolia	1.032	1.058	1.058	1.021	2.5%	0.0%	-3.5%	-1.1%
Molina	1.002	1.009	0.993	0.960	0.7%	-1.6%	-3.4%	-4.3%
United	1.033	1.047	1.048	1.011	1.4%	0.1%	-3.5%	-2.1%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.065	1.100	1.101	1.059	3.2%	0.1%	-3.7%	-0.6%
Molina	1.047	1.066	1.059	1.027	1.8%	-0.7%	-3.0%	-2.0%
United	1.114	1.151	1.136	1.092	3.3%	-1.2%	-3.9%	-2.0%
Unscored Members								
Magnolia	1.019	1.031	1.038	1.019	1.1%	0.7%	-1.8%	0.0%
Molina	1.031	1.012	1.024	1.005	-1.8%	1.2%	-1.9%	-2.5%
United	1.006	1.024	1.024	1.003	1.8%	0.0%	-2.1%	-0.4%
All Members								
Magnolia	1.063	1.098	1.099	1.058	3.3%	0.0%	-3.7%	-0.4%
Molina	1.048	1.066	1.058	1.026	1.7%	-0.7%	-3.0%	-2.0%
United	1.109	1.148	1.133	1.090	3.5%	-1.3%	-3.9%	-1.7%

Exhibit 2H Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.000	1.005	1.006	1.002	0.5%	0.1%	-0.4%	0.2%
Molina	0.963	0.956	0.961	0.972	-0.7%	0.5%	1.1%	0.9%
United	1.017	1.016	1.014	1.012	-0.1%	-0.3%	-0.1%	-0.5%
Unscored Members								
Magnolia	0.995	1.001	1.004	1.004	0.5%	0.4%	0.0%	0.9%
Molina	0.999	0.996	0.994	0.994	-0.3%	-0.2%	0.0%	-0.6%
United	1.005	1.002	1.000	1.001	-0.3%	-0.2%	0.0%	-0.4%
All Members								
Magnolia	1.000	1.005	1.006	1.002	0.5%	0.1%	-0.4%	0.2%
Molina	0.966	0.957	0.962	0.973	-0.9%	0.6%	1.1%	0.7%
United	1.017	1.016	1.013	1.012	-0.1%	-0.3%	-0.1%	-0.5%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.005	1.013	1.016	1.016	0.8%	0.3%	0.0%	1.1%
Molina	0.975	0.966	0.953	0.954	-0.9%	-1.4%	0.1%	-2.2%
United	1.007	1.003	1.007	1.007	-0.3%	0.4%	0.0%	0.0%
Unscored Members								
Magnolia	1.015	1.024	1.024	1.020	0.9%	0.0%	-0.4%	0.6%
Molina	0.999	0.996	0.989	0.992	-0.3%	-0.7%	0.3%	-0.7%
United	0.988	0.973	0.980	0.982	-1.6%	0.8%	0.2%	-0.6%
All Members								
Magnolia	1.006	1.013	1.017	1.016	0.8%	0.3%	0.0%	1.0%
Molina	0.976	0.967	0.954	0.955	-1.0%	-1.4%	0.1%	-2.2%
United	1.006	1.003	1.007	1.007	-0.3%	0.4%	0.0%	0.1%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.984	0.987	0.995	0.994	0.3%	0.8%	-0.1%	1.0%
Molina	0.968	0.957	0.957	0.963	-1.1%	0.0%	0.7%	-0.4%
United	1.029	1.032	1.027	1.025	0.3%	-0.5%	-0.3%	-0.5%
Unscored Members								
Magnolia	1.002	1.008	1.009	1.011	0.6%	0.1%	0.1%	0.9%
Molina	1.014	0.990	0.996	0.996	-2.4%	0.6%	0.1%	-1.7%
United	0.990	1.002	0.996	0.994	1.2%	-0.6%	-0.2%	0.5%
All Members								
Magnolia	0.985	0.987	0.995	0.994	0.2%	0.8%	-0.1%	1.0%
Molina	0.971	0.958	0.958	0.965	-1.3%	0.0%	0.7%	-0.6%
United	1.027	1.032	1.026	1.024	0.4%	-0.5%	-0.3%	-0.3%

Exhibit 3A Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.113	N/A	9,429	100.00%	N/A	2,647	100.00%	N/A	7,941	100.00%	N/A	20,017	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	255	2.70%	N/A	186	7.03%	N/A	249	3.14%	N/A	690	3.45%
Age 5 to 14 Male	0.184	N/A	1,079	11.44%	N/A	359	13.56%	N/A	889	11.20%	N/A	2,327	11.63%
Age 5 to 14 Female	0.265	N/A	479	5.08%	N/A	146	5.52%	N/A	445	5.60%	N/A	1,070	5.35%
Age 15 to 24 Male	0.000	N/A	863	9.15%	N/A	265	10.01%	N/A	776	9.77%	N/A	1,904	9.51%
Age 15 to 24 Female	0.187	N/A	452	4.79%	N/A	144	5.44%	N/A	427	5.38%	N/A	1,023	5.11%
Age 25 to 44 Male	0.003	N/A	1,172	12.43%	N/A	279	10.54%	N/A	1,014	12.77%	N/A	2,465	12.31%
Age 25 to 44 Female	0.133	N/A	1,058	11.22%	N/A	240	9.07%	N/A	856	10.78%	N/A	2,154	10.76%
Age 45 and Older Male	0.107	N/A	1,709	18.12%	N/A	535	20.21%	N/A	1,440	18.13%	N/A	3,684	18.40%
Age 45 and Older Female	0.027	N/A	2,362	25.05%	N/A	493	18.62%	N/A	1,845	23.23%	N/A	4,700	23.48%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	39	0.41%	N/A	27	1.02%	N/A	48	0.60%	N/A	114	0.57%
Diagnosis Period Duration, 8 Months	0.320	N/A	25	0.27%	N/A	19	0.72%	N/A	29	0.37%	N/A	73	0.36%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	87	0.92%	N/A	74	2.80%	N/A	83	1.05%	N/A	244	1.22%
Diagnosis Period Duration, 12 Months	0.000	N/A	9,278	98.40%	N/A	2,527	95.47%	N/A	7,781	97.99%	N/A	19,586	97.85%
Homelessness Category													
Homelessness	0.931	N/A	66	0.70%	N/A	28	1.06%	N/A	41	0.52%	N/A	135	0.67%
Disease Categories													
Cancer, very high	3.067	13	48	0.51%	7	20	0.76%	16	36	0.45%	13	104	0.52%
Cancer, high	0.816	24	111	1.18%	20	35	1.32%	28	81	1.02%	26	227	1.13%
Cancer, medium	0.611	26	146	1.55%	27	35	1.32%	20	159	2.00%	23	340	1.70%
Cancer, low	0.318	38	103	1.09%	38	22	0.83%	37	79	0.99%	37	204	1.02%
Cardiovascular, very high	1.460	29	46	0.49%	30	13	0.49%	24	59	0.74%	27	118	0.59%
Cardiovascular, medium	0.584	3	1,081	11.46%	2	298	11.26%	3	855	10.77%	3	2,234	11.16%
Cardiovascular, extra low to low	0.081	7	3,153	33.44%	8	706	26.67%	7	2,582	32.51%	7	6,441	32.18%
Cerebrovascular, medium	0.115	43	121	1.28%	42	35	1.32%	43	111	1.40%	44	267	1.33%
CNS, high	0.781	32	77	0.82%	31	20	0.76%	33	52	0.65%	32	149	0.74%
CNS, medium	0.479	22	205	2.17%	21	58	2.19%	21	193	2.43%	21	456	2.28%
CNS, low	0.243	5	1,507	15.98%	5	400	15.11%	5	1,333	16.79%	5	3,240	16.19%
DD, low to medium	0.174	30	360	3.82%	32	86	3.25%	30	365	4.60%	30	811	4.05%
Diabetes, type 1	0.862	19	126	1.34%	23	31	1.17%	19	113	1.42%	19	270	1.35%
Diabetes, type 2	0.199	6	1,629	17.28%	6	338	12.77%	6	1,290	16.24%	6	3,257	16.27%
Gastro, high	0.320	36	130	1.38%	36	33	1.25%	36	101	1.27%	36	264	1.32%
Gastro, medium	0.268	27	297	3.15%	29	75	2.83%	27	263	3.31%	28	635	3.17%
Gastro, low	0.135	8	1,876	19.90%	10	402	15.19%	8	1,440	18.13%	8	3,718	18.57%
Hematological, extra high	4.752	42	3	0.03%	45	0	0.00%	39	4	0.05%	41	7	0.03%
Hematological, medium to very high	0.931	12	172	1.82%	14	45	1.70%	10	169	2.13%	11	386	1.93%
Hematological, low	0.370	33	140	1.48%	33	40	1.51%	32	118	1.49%	33	298	1.49%
Infectious, high to very high	0.300	28	261	2.77%	26	76	2.87%	29	216	2.72%	29	553	2.76%
Infectious, low to medium	0.188	31	333	3.53%	28	113	4.27%	31	254	3.20%	31	700	3.50%
Metabolic, high	0.468	21	228	2.42%	18	65	2.46%	18	209	2.63%	18	502	2.51%
Metabolic, medium	0.239	11	677	7.18%	13	187	7.06%	12	563	7.09%	12	1,427	7.13%
Pregnancy, complete	0.173	44	80	0.85%	41	26	0.98%	44	72	0.91%	43	178	0.89%
Pregnancy, incomplete	0.841	39	38	0.40%	37	9	0.34%	40	21	0.26%	38	68	0.34%
Psychiatric, high	0.643	4	584	6.19%	4	162	6.12%	4	535	6.74%	4	1,281	6.40%
Psychiatric, low to medium	0.225	1	3,526	37.40%	1	1,012	38.23%	1	3,126	39.37%	1	7,664	38.29%
Pulmonary, very high	0.816	15	175	1.86%	16	48	1.81%	17	123	1.55%	17	346	1.73%
Pulmonary, high	0.481	45	19	0.20%	44	7	0.26%	45	15	0.19%	45	41	0.20%
Pulmonary, medium	0.472	14	303	3.21%	17	77	2.91%	14	261	3.29%	14	641	3.20%
Pulmonary, low	0.131	9	1,630	17.29%	12	361	13.64%	11	1,196	15.06%	10	3,187	15.92%
Rare Diseases	2.664	40	9	0.10%	40	2	0.08%	38	9	0.11%	40	20	0.10%
Renal, extra high	4.191	10	46	0.49%	9	13	0.49%	9	46	0.58%	9	105	0.52%
Renal, medium	0.362	16	382	4.05%	15	109	4.12%	15	332	4.18%	16	823	4.11%
Renal, low	0.277	23	333	3.53%	25	86	3.25%	26	263	3.31%	25	682	3.41%
Skeletal, medium	0.254	2	2,604	27.62%	3	620	23.42%	2	2,058	25.92%	2	5,282	26.39%
Skeletal, very low to low	0.070	34	685	7.26%	35	152	5.74%	34	545	6.86%	34	1,382	6.90%
Skin, low to high	0.624	25	144	1.53%	19	46	1.74%	22	141	1.78%	24	331	1.65%
Skin, very low	0.169	20	638	6.77%	24	153	5.78%	25	487	6.13%	22	1,278	6.38%
Substance abuse, low	0.324	17	384	4.07%	11	156	5.89%	13	390	4.91%	15	930	4.65%
Substance abuse, very low	0.202	35	211	2.24%	34	60	2.27%	35	167	2.10%	35	438	2.19%
Disabled Children Add-On - CNS, high	1.388	37	26	0.28%	39	4	0.15%	41	11	0.14%	39	41	0.21%
Disabled Children Add-On - Gastro, high	1.508	18	74	0.78%	22	18	0.68%	23	58	0.73%	20	150	0.75%
Disabled Children Add-On - Pulmonary, very hig	0.419	41	36	0.38%	43	9	0.34%	42	34	0.43%	42	79	0.39%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,903	20.18%	N/A	642	24.25%	N/A	1,576	19.85%	N/A	4,121	20.59%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	11	7.75%	N/A	10	10.00%	N/A	11	7.05%	N/A	32	8.04%
Age 5 to 14 Male	0.701	N/A	15	10.56%	N/A	11	11.00%	N/A	15	9.62%	N/A	41	10.30%
Age 5 to 14 Female	0.872	N/A	6	4.23%	N/A	3	3.00%	N/A	8	5.13%	N/A	17	4.27%
Age 15 to 24 Male	0.522	N/A	10	7.04%	N/A	6	6.00%	N/A	6	3.85%	N/A	22	5.53%
Age 15 to 24 Female	0.831	N/A	8	5.63%	N/A	10	10.00%	N/A	4	2.56%	N/A	22	5.53%
Age 25 to 44 Male	0.797	N/A	15	10.56%	N/A	11	11.00%	N/A	18	11.54%	N/A	44	11.08%
Age 25 to 44 Female	1.120	N/A	9	6.34%	N/A	12	12.00%	N/A	23	14.74%	N/A	44	11.06%
Age 45 and Older Male	1.188	N/A	28	19.72%	N/A	19	19.00%	N/A	35	22.44%	N/A	82	20.60%
Age 45 and Older Female	1.249	N/A	40	28.17%	N/A	18	18.00%	N/A	36	23.08%	N/A	94	23.62%
Risk Adjustment Results													
Scored Members													
			Magnolia		Molina			United			Total		
Member Months			9,429		2,647			7,941			20,017		
Unadjusted Plan Factor			0.938		0.934			0.944			0.940		
Budget Neutral Plan Factor			0.998		0.994			1.004			1.000		
Unscored Members													
Member Months			142		100			156			398		
Unadjusted Plan Factor			1.041		1.027			1.062			1.046		
Budget Neutral Plan Factor			0.996		0.982			1.015			1.000		
Total Members													
Member Months			9,571		2,747			8,097			20,415		
Unadjusted Plan Factor			0.940		0.936			0.946			0.942		
Budget Neutral Plan Factor			0.998		0.993			1.005			1.000		

Exhibit 3B Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - Central Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Magnolia				Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.113	N/A	10,033	100.00%	N/A	2,815	100.00%	N/A	8,042	100.00%	N/A	20,890	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	331	3.30%	N/A	296	10.52%	N/A	290	3.61%	N/A	917	4.39%
Age 5 to 14 Male	0.184	N/A	1,126	11.22%	N/A	374	13.29%	N/A	941	11.70%	N/A	2,441	11.69%
Age 5 to 14 Female	0.265	N/A	523	5.21%	N/A	151	5.36%	N/A	441	5.48%	N/A	1,115	5.34%
Age 15 to 24 Male	0.000	N/A	1,011	10.08%	N/A	295	10.48%	N/A	774	9.62%	N/A	2,080	9.96%
Age 15 to 24 Female	0.187	N/A	532	5.30%	N/A	152	5.40%	N/A	402	5.00%	N/A	1,086	5.20%
Age 25 to 44 Male	0.003	N/A	1,247	12.43%	N/A	298	10.59%	N/A	1,022	12.71%	N/A	2,567	12.29%
Age 25 to 44 Female	0.133	N/A	1,105	11.01%	N/A	217	7.71%	N/A	899	10.97%	N/A	2,131	10.20%
Age 45 and Older Male	0.107	N/A	1,795	17.89%	N/A	583	20.71%	N/A	1,561	19.41%	N/A	3,939	18.86%
Age 45 and Older Female	0.027	N/A	2,363	23.55%	N/A	449	15.95%	N/A	1,802	22.41%	N/A	4,614	22.09%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	37	0.37%	N/A	24	0.85%	N/A	37	0.46%	N/A	98	0.47%
Diagnosis Period Duration, 8 Months	0.320	N/A	18	0.18%	N/A	18	0.64%	N/A	27	0.34%	N/A	63	0.30%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	90	0.90%	N/A	65	2.31%	N/A	111	1.38%	N/A	266	1.27%
Diagnosis Period Duration, 12 Months	0.000	N/A	9,888	98.55%	N/A	2,708	96.20%	N/A	7,867	97.82%	N/A	20,463	97.96%
Homelessness Category													
Homelessness	0.931	N/A	94	0.94%	N/A	40	1.42%	N/A	93	1.16%	N/A	227	1.09%
Disease Categories													
Cancer, very high	3.067	10	71	0.71%	7	25	0.89%	20	35	0.44%	12	131	0.63%
Cancer, high	0.816	25	136	1.36%	24	35	1.24%	27	116	1.44%	26	287	1.37%
Cancer, medium	0.611	28	163	1.62%	27	41	1.46%	18	183	2.28%	25	387	1.85%
Cancer, low	0.318	39	90	0.90%	38	31	1.10%	40	73	0.91%	39	194	0.93%
Cardiovascular, very high	1.460	21	91	0.91%	23	21	0.75%	25	66	0.82%	23	178	0.85%
Cardiovascular, medium	0.584	2	1,091	10.87%	2	317	11.26%	2	850	10.57%	2	2,258	10.81%
Cardiovascular, extra low to low	0.081	8	3,289	32.78%	9	769	27.32%	7	2,598	32.31%	8	6,656	31.86%
Cerebrovascular, medium	0.115	41	167	1.66%	42	56	1.99%	41	144	1.79%	40	367	1.76%
CNS, high	0.781	30	116	1.16%	30	29	1.03%	28	112	1.39%	29	257	1.23%
CNS, medium	0.479	19	282	2.81%	19	77	2.74%	21	223	2.79%	20	582	2.79%
CNS, low	0.243	5	1,776	17.70%	5	491	17.44%	5	1,451	18.04%	5	3,718	17.80%
DD, low to medium	0.174	31	461	4.59%	31	119	4.23%	31	348	4.33%	31	928	4.44%
Diabetes, type 1	0.862	22	147	1.47%	22	37	1.31%	22	123	1.53%	21	307	1.47%
Diabetes, type 2	0.199	7	1,700	16.94%	8	356	12.65%	6	1,269	15.78%	7	3,325	15.92%
Gastro, high	0.320	36	156	1.55%	32	61	2.17%	36	124	1.54%	35	341	1.63%
Gastro, medium	0.268	29	362	3.61%	29	86	3.06%	30	264	3.28%	30	712	3.41%
Gastro, low	0.135	9	1,849	18.43%	13	404	14.35%	9	1,355	16.85%	9	3,608	17.27%
Hematological, extra high	4.752	45	1	0.01%	44	1	0.04%	39	6	0.07%	44	8	0.04%
Hematological, medium to very high	0.931	12	215	2.14%	18	43	1.53%	11	184	2.29%	11	442	2.12%
Hematological, low	0.370	32	185	1.84%	34	45	1.60%	35	111	1.38%	33	341	1.63%
Infectious, high to very high	0.300	26	363	3.62%	28	77	2.74%	26	319	3.97%	27	759	3.63%
Infectious, low to medium	0.188	33	353	3.52%	33	102	3.62%	32	262	3.26%	32	717	3.43%
Metabolic, high	0.468	17	323	3.22%	20	75	2.66%	15	269	3.34%	17	667	3.19%
Metabolic, medium	0.239	14	756	7.54%	15	201	7.14%	14	550	6.84%	15	1,507	7.21%
Pregnancy, complete	0.173	44	81	0.81%	45	23	0.82%	45	54	0.67%	45	158	0.76%
Pregnancy, incomplete	0.841	43	20	0.20%	36	15	0.53%	43	15	0.19%	41	50	0.24%
Psychiatric, high	0.643	4	911	9.08%	4	207	7.35%	4	710	8.83%	4	1,828	8.75%
Psychiatric, low to medium	0.225	1	3,996	39.83%	1	1,080	38.37%	1	3,164	39.34%	1	8,240	39.44%
Pulmonary, very high	0.816	18	180	1.79%	16	52	1.85%	17	138	1.72%	18	370	1.77%
Pulmonary, high	0.481	40	43	0.43%	41	15	0.53%	44	21	0.26%	43	79	0.38%
Pulmonary, medium	0.472	15	378	3.77%	11	125	4.44%	13	289	3.59%	14	792	3.79%
Pulmonary, low	0.131	13	1,492	14.87%	14	376	13.36%	12	1,131	14.06%	13	2,999	14.36%
Rare Diseases	2.664	37	15	0.15%	43	2	0.07%	34	17	0.21%	37	34	0.16%
Renal, extra high	4.191	6	91	0.91%	6	21	0.75%	8	50	0.62%	6	162	0.78%
Renal, medium	0.362	16	422	4.21%	17	113	4.01%	16	336	4.18%	16	871	4.17%
Renal, low	0.277	20	486	4.84%	25	102	3.62%	24	354	4.40%	22	942	4.51%
Skeletal, medium	0.254	3	2,450	24.42%	3	573	20.36%	3	1,932	24.02%	3	4,955	23.72%
Skeletal, very low to low	0.070	34	865	8.62%	35	206	7.32%	33	669	8.32%	34	1,740	8.33%
Skin, low to high	0.624	27	163	1.62%	21	55	1.95%	23	162	2.01%	24	380	1.82%
Skin, very low	0.169	24	675	6.73%	26	154	5.47%	29	508	6.32%	28	1,337	6.40%
Substance abuse, low	0.324	11	658	6.56%	10	184	6.54%	10	538	6.69%	10	1,380	6.61%
Substance abuse, very low	0.202	38	184	1.83%	37	55	1.95%	38	155	1.93%	38	394	1.89%
Disabled Children Add-On - CNS, high	1.388	35	36	0.36%	40	6	0.21%	37	28	0.35%	36	70	0.34%
Disabled Children Add-On - Gastro, high	1.508	23	82	0.82%	12	37	1.31%	19	72	0.90%	19	191	0.91%
Disabled Children Add-On - Pulmonary, very hig	0.419	42	43	0.43%	39	22	0.78%	42	32	0.40%	42	97	0.46%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,788	17.82%	N/A	592	21.03%	N/A	1,499	18.64%	N/A	3,879	18.57%
Unscored Members													
	Magnolia				Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	10	7.58%	N/A	7	7.45%	N/A	5	4.27%	N/A	22	6.41%
Age 5 to 14 Male	0.701	N/A	6	4.55%	N/A	8	8.51%	N/A	11	9.40%	N/A	25	7.29%
Age 5 to 14 Female	0.872	N/A	2	1.52%	N/A	6	6.38%	N/A	1	0.85%	N/A	9	2.62%
Age 15 to 24 Male	0.522	N/A	9	6.82%	N/A	1	1.06%	N/A	12	10.26%	N/A	22	6.41%
Age 15 to 24 Female	0.831	N/A	2	1.52%	N/A	5	5.32%	N/A	4	3.42%	N/A	11	3.21%
Age 25 to 44 Male	0.797	N/A	9	6.82%	N/A	10	10.64%	N/A	16	13.68%	N/A	35	10.20%
Age 25 to 44 Female	1.120	N/A	15	11.36%	N/A	8	8.51%	N/A	10	8.55%	N/A	33	9.62%
Age 45 and Older Male	1.188	N/A	38	28.79%	N/A	24	25.53%	N/A	30	25.64%	N/A	92	26.82%
Age 45 and Older Female	1.249	N/A	41	31.06%	N/A	25	26.60%	N/A	28	23.93%	N/A	94	27.41%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Scored Members													
Member Months			10,033			2,815			8,042			20,890	
Unadjusted Plan Factor			1.022			1.012			1.005			1.014	
Budget Neutral Plan Factor			1.008			0.998			0.991			1.000	
Unscored Members													
Member Months			132			94			117			343	
Unadjusted Plan Factor			1.108			1.082			1.022			1.072	
Budget Neutral Plan Factor			1.034			1.010			0.954			1.000	
Total Members													
Member Months			10,165			2,909			8,159			21,233	
Unadjusted Plan Factor			1.024			1.013			1.005			1.015	
Budget Neutral Plan Factor			1.008			0.998			0.990			1.000	

Exhibit 3C Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.113	N/A	6,944	100.00%	N/A	2,364	100.00%	N/A	7,251	100.00%	N/A	16,559	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	224	3.23%	N/A	190	8.04%	N/A	229	3.16%	N/A	643	3.88%
Age 5 to 14 Male	0.184	N/A	894	12.87%	N/A	267	11.29%	N/A	878	12.11%	N/A	2,039	12.31%
Age 5 to 14 Female	0.265	N/A	421	6.06%	N/A	138	5.84%	N/A	388	5.35%	N/A	947	5.72%
Age 15 to 24 Male	0.000	N/A	644	9.27%	N/A	240	10.15%	N/A	665	9.17%	N/A	1,549	9.35%
Age 15 to 24 Female	0.187	N/A	334	4.81%	N/A	129	5.46%	N/A	349	4.81%	N/A	812	4.90%
Age 25 to 44 Male	0.003	N/A	740	10.66%	N/A	231	9.77%	N/A	824	11.36%	N/A	1,795	10.84%
Age 25 to 44 Female	0.133	N/A	671	9.66%	N/A	187	7.91%	N/A	715	9.66%	N/A	1,573	9.50%
Age 45 and Older Male	0.107	N/A	1,285	18.51%	N/A	482	20.39%	N/A	1,433	19.76%	N/A	3,200	19.32%
Age 45 and Older Female	0.027	N/A	1,731	24.93%	N/A	500	21.15%	N/A	1,770	24.41%	N/A	4,001	24.16%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	35	0.50%	N/A	31	1.31%	N/A	43	0.59%	N/A	109	0.66%
Diagnosis Period Duration, 8 Months	0.320	N/A	30	0.43%	N/A	19	0.80%	N/A	37	0.51%	N/A	86	0.52%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	88	1.27%	N/A	74	3.13%	N/A	100	1.38%	N/A	262	1.58%
Diagnosis Period Duration, 12 Months	0.000	N/A	6,791	97.80%	N/A	2,240	94.75%	N/A	7,071	97.52%	N/A	16,102	97.24%
Homelessness Category													
Homelessness	0.931	N/A	78	1.12%	N/A	49	2.07%	N/A	67	0.92%	N/A	194	1.17%
Disease Categories													
Cancer, very high	3.067	13	46	0.66%	9	19	0.80%	20	33	0.46%	14	98	0.59%
Cancer, high	0.816	21	124	1.79%	18	41	1.73%	27	100	1.38%	23	265	1.60%
Cancer, medium	0.611	32	89	1.28%	29	33	1.40%	26	134	1.85%	30	256	1.55%
Cancer, low	0.318	38	90	1.30%	38	37	1.57%	36	104	1.43%	36	231	1.40%
Cardiovascular, very high	1.460	27	55	0.79%	27	17	0.72%	30	46	0.63%	28	118	0.71%
Cardiovascular, medium	0.584	2	809	11.65%	2	291	12.31%	2	856	11.81%	2	1,956	11.81%
Cardiovascular, extra low to low	0.081	9	2,207	31.78%	11	647	27.37%	9	2,377	32.78%	9	5,231	31.59%
Cerebrovascular, medium	0.115	42	123	1.77%	41	44	1.86%	41	129	1.78%	41	296	1.79%
CNS, high	0.781	30	71	1.02%	34	22	0.93%	32	76	1.05%	32	169	1.02%
CNS, medium	0.479	17	259	3.73%	24	56	2.37%	16	238	3.28%	17	553	3.34%
CNS, low	0.243	5	1,341	19.31%	5	411	17.39%	5	1,398	19.28%	5	3,150	19.02%
DD, low to medium	0.174	29	400	5.76%	30	108	4.57%	29	400	5.52%	29	908	5.48%
Diabetes, type 1	0.862	18	134	1.93%	33	20	0.85%	17	120	1.65%	20	274	1.65%
Diabetes, type 2	0.199	6	1,130	16.27%	6	319	13.49%	6	1,143	15.76%	6	2,592	15.65%
Gastro, high	0.320	35	137	1.97%	32	55	2.33%	35	127	1.75%	35	319	1.93%
Gastro, medium	0.268	25	330	4.75%	26	96	4.06%	25	326	4.50%	26	752	4.54%
Gastro, low	0.135	8	1,421	20.46%	10	422	17.85%	8	1,444	19.91%	7	3,287	19.85%
Hematological, extra high	4.752	40	4	0.06%	42	1	0.04%	44	2	0.03%	42	7	0.04%
Hematological, medium to very high	0.931	15	147	2.12%	15	44	1.86%	14	129	1.78%	15	320	1.93%
Hematological, low	0.370	33	144	2.07%	31	48	2.03%	34	127	1.75%	34	319	1.93%
Infectious, high to very high	0.300	28	243	3.50%	23	95	4.02%	28	244	3.37%	27	582	3.51%
Infectious, low to medium	0.188	31	293	4.22%	28	117	4.95%	31	320	4.41%	31	730	4.41%
Metabolic, high	0.468	24	192	2.76%	25	56	2.37%	23	204	2.81%	24	452	2.73%
Metabolic, medium	0.239	16	520	7.49%	16	170	7.19%	15	498	6.87%	16	1,188	7.17%
Pregnancy, complete	0.173	44	46	0.66%	45	16	0.68%	45	50	0.69%	45	112	0.68%
Pregnancy, incomplete	0.841	41	17	0.24%	39	8	0.34%	40	22	0.30%	40	47	0.28%
Psychiatric, high	0.643	4	569	8.19%	4	185	7.83%	4	606	8.36%	4	1,360	8.21%
Psychiatric, low to medium	0.225	1	2,997	43.16%	1	927	39.21%	1	3,146	43.39%	1	7,070	42.70%
Pulmonary, very high	0.816	12	176	2.53%	14	54	2.28%	13	161	2.22%	13	391	2.36%
Pulmonary, high	0.481	45	16	0.23%	44	9	0.38%	43	23	0.32%	44	48	0.29%
Pulmonary, medium	0.472	14	292	4.21%	12	110	4.65%	12	317	4.37%	12	719	4.34%
Pulmonary, low	0.131	11	1,168	16.82%	13	360	15.23%	11	1,162	16.03%	11	2,690	16.24%
Rare Diseases	2.664	39	10	0.14%	40	2	0.08%	39	8	0.11%	39	20	0.12%
Renal, extra high	4.191	7	46	0.66%	7	15	0.63%	10	38	0.52%	10	99	0.60%
Renal, medium	0.362	19	314	4.52%	17	108	4.57%	19	280	3.86%	18	702	4.24%
Renal, low	0.277	22	364	5.24%	22	104	4.40%	22	348	4.80%	22	816	4.93%
Skeletal, medium	0.254	3	1,594	22.96%	3	506	21.40%	3	1,655	22.82%	3	3,755	22.68%
Skeletal, very low to low	0.070	34	691	9.95%	35	199	8.42%	33	791	10.91%	33	1,681	10.15%
Skin, low to high	0.624	26	139	2.00%	21	48	2.03%	24	150	2.07%	25	337	2.04%
Skin, very low	0.169	23	592	8.53%	19	188	7.95%	18	606	8.36%	21	1,386	8.37%
Substance abuse, low	0.324	10	543	7.82%	8	193	8.16%	7	629	8.67%	8	1,365	8.24%
Substance abuse, very low	0.202	37	151	2.17%	37	59	2.50%	37	154	2.12%	37	364	2.20%
Disabled Children Add-On - CNS, high	1.388	36	25	0.36%	36	9	0.38%	38	18	0.25%	38	52	0.31%
Disabled Children Add-On - Gastro, high	1.508	20	74	1.07%	20	21	0.89%	21	65	0.90%	19	160	0.97%
Disabled Children Add-On - Pulmonary, very hig	0.419	43	23	0.33%	43	11	0.47%	42	31	0.43%	43	65	0.39%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,257	18.10%	N/A	507	21.45%	N/A	1,247	17.20%	N/A	3,011	18.18%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	6	4.20%	N/A	7	6.48%	N/A	11	6.88%	N/A	24	5.84%
Age 5 to 14 Male	0.701	N/A	14	9.79%	N/A	5	4.63%	N/A	8	5.00%	N/A	27	6.57%
Age 5 to 14 Female	0.872	N/A	3	2.10%	N/A	6	5.56%	N/A	7	4.38%	N/A	16	3.89%
Age 15 to 24 Male	0.522	N/A	9	6.29%	N/A	7	6.48%	N/A	7	4.38%	N/A	23	5.60%
Age 15 to 24 Female	0.831	N/A	6	4.20%	N/A	7	6.48%	N/A	7	4.38%	N/A	20	4.87%
Age 25 to 44 Male	0.797	N/A	17	11.89%	N/A	9	8.33%	N/A	14	8.75%	N/A	40	9.73%
Age 25 to 44 Female	1.120	N/A	17	11.89%	N/A	10	9.26%	N/A	27	16.88%	N/A	54	13.14%
Age 45 and Older Male	1.188	N/A	30	20.98%	N/A	31	28.70%	N/A	43	26.88%	N/A	104	25.30%
Age 45 and Older Female	1.249	N/A	41	28.67%	N/A	26	24.07%	N/A	36	22.50%	N/A	103	25.06%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Scored Members				Scored Members				Scored Members					
Member Months				Member Months				Member Months				16,559	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				1.049	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	
Unscored Members				Unscored Members				Unscored Members					
Member Months				Member Months				Member Months				411	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				1.068	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	
Total Members				Total Members				Total Members					
Member Months				Member Months				Member Months				16,970	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				1.050	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	

Exhibit 3D Mississippi Division of Medicaid Risk Adjustment Results MA Adult - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.126	N/A	5,678	100.00%	N/A	3,710	100.00%	N/A	5,247	100.00%	N/A	14,635	100.00%
Demographic Categories													
Age 19 to 24 Male	0.000	N/A	18	0.32%	N/A	12	0.32%	N/A	20	0.38%	N/A	50	0.34%
Age 19 to 24 Female	0.460	N/A	499	8.79%	N/A	408	11.00%	N/A	523	9.97%	N/A	1,430	9.77%
Age 25 to 44 Male	0.111	N/A	283	4.98%	N/A	175	4.72%	N/A	295	5.62%	N/A	753	5.15%
Age 25 to 44 Female	0.305	N/A	4,263	75.08%	N/A	2,814	75.85%	N/A	3,903	74.39%	N/A	10,980	75.03%
Age 45 and Older Male	0.127	N/A	106	1.87%	N/A	69	1.86%	N/A	89	1.70%	N/A	264	1.80%
Age 45 and Older Female	0.326	N/A	509	8.96%	N/A	232	6.25%	N/A	417	7.95%	N/A	1,158	7.91%
Duration Category													
Diagnosis Period Duration, 6 Months	0.448	N/A	73	1.29%	N/A	58	1.56%	N/A	58	1.11%	N/A	189	1.29%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	5,605	98.71%	N/A	3,652	98.44%	N/A	5,189	98.89%	N/A	14,446	98.71%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.126)	N/A	467	8.22%	N/A	331	8.92%	N/A	451	8.60%	N/A	1,249	8.53%
Homelessness Category													
Homelessness	0.472	N/A	2	0.04%	N/A	5	0.13%	N/A	2	0.04%	N/A	9	0.06%
Disease Categories													
Cancer, high to very high	2.607	11	34	0.60%	17	11	0.30%	17	20	0.38%	15	65	0.44%
Cancer, low to medium	0.394	29	52	0.92%	30	25	0.67%	29	43	0.82%	29	120	0.82%
Cardiovascular, very high	2.004	35	4	0.07%	34	2	0.05%	33	5	0.10%	33	11	0.08%
Cardiovascular, medium	0.547	9	234	4.12%	7	141	3.80%	7	233	4.44%	7	608	4.15%
Cardiovascular, low	0.442	13	176	3.10%	12	105	2.83%	12	151	2.88%	12	432	2.95%
Cardiovascular, extra low	0.118	5	1,567	27.60%	6	890	23.99%	6	1,253	23.88%	6	3,710	25.35%
Cerebrovascular, medium	0.456	37	10	0.18%	36	4	0.11%	37	14	0.27%	38	28	0.19%
CNS, high	0.552	34	16	0.28%	35	5	0.13%	36	12	0.23%	35	33	0.23%
CNS, medium	0.544	30	34	0.60%	32	14	0.38%	31	30	0.57%	31	78	0.53%
CNS, low	0.425	8	302	5.32%	10	155	4.18%	8	269	5.13%	9	726	4.96%
Diabetes, type 1	1.366	17	41	0.72%	16	23	0.62%	13	48	0.91%	17	112	0.77%
Diabetes, type 2	0.241	10	531	9.35%	9	277	7.47%	10	442	8.42%	10	1,250	8.54%
Eye, very low to extra low	0.271	24	112	1.97%	28	53	1.43%	26	93	1.77%	25	258	1.76%
Gastro, high	0.864	33	12	0.21%	37	0	0.00%	38	6	0.11%	37	18	0.12%
Gastro, medium	0.585	18	84	1.48%	18	49	1.32%	18	81	1.54%	18	214	1.46%
Gastro, low	0.278	4	811	14.28%	5	407	10.97%	5	625	11.91%	4	1,843	12.59%
Genital, extra low	0.232	12	351	6.18%	11	214	5.77%	11	332	6.33%	11	897	6.13%
Infectious, very high	1.355	38	2	0.04%	37	0	0.00%	39	1	0.02%	39	3	0.02%
Infectious, high	0.426	20	79	1.39%	22	45	1.21%	23	75	1.43%	22	199	1.36%
Infectious, low to medium	0.196	28	111	1.95%	25	78	2.10%	28	122	2.33%	28	311	2.13%
Metabolic, high	0.528	27	42	0.74%	24	32	0.86%	22	62	1.18%	24	136	0.93%
Metabolic, medium	0.296	14	251	4.42%	14	150	4.04%	16	211	4.02%	14	612	4.18%
Pregnancy, complete	0.295	6	615	10.83%	4	448	12.08%	4	654	12.46%	5	1,717	11.73%
Pregnancy, incomplete	1.430	2	185	3.26%	2	148	3.99%	2	183	3.49%	2	516	3.53%
Psychiatric, high	0.665	22	48	0.85%	23	28	0.75%	27	37	0.71%	23	113	0.77%
Psychiatric, medium	0.490	25	54	0.95%	26	31	0.84%	24	53	1.01%	26	138	0.94%
Psychiatric, low	0.200	3	1,227	21.61%	3	897	24.18%	3	1,306	24.89%	3	3,430	23.44%
Pulmonary, medium to very high	0.499	21	65	1.14%	19	55	1.48%	19	79	1.51%	20	199	1.36%
Pulmonary, low	0.271	7	488	8.59%	8	270	7.28%	9	394	7.51%	8	1,152	7.87%
Rare Diseases	6.883	36	1	0.02%	37	0	0.00%	32	2	0.04%	34	3	0.02%
Renal, extra high	2.600	39	1	0.02%	37	0	0.00%	40	0	0.00%	40	1	0.01%
Renal, medium	0.539	26	46	0.81%	27	27	0.73%	25	47	0.90%	27	120	0.82%
Renal, low	0.472	19	91	1.60%	21	44	1.19%	20	76	1.45%	19	211	1.44%
Skeletal, medium	0.270	1	1,917	33.76%	1	1,132	30.51%	1	1,727	32.91%	1	4,776	32.63%
Skeletal, low	0.251	23	124	2.18%	20	86	2.32%	21	139	2.65%	21	349	2.38%
Skeletal, very low	0.189	31	96	1.69%	29	56	1.51%	30	87	1.66%	30	239	1.63%
Skin, high	1.732	40	1	0.02%	33	3	0.08%	35	5	0.10%	36	9	0.06%
Skin, low	0.891	32	18	0.32%	31	10	0.27%	34	11	0.21%	32	39	0.27%
Skin, very low	0.178	16	352	6.20%	15	228	6.15%	15	352	6.71%	16	932	6.37%
Substance abuse, very low to low	0.299	15	247	4.35%	13	154	4.15%	14	212	4.04%	13	613	4.19%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,071	18.86%	N/A	742	20.00%	N/A	1,029	19.61%	N/A	2,842	19.42%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 19 to 24 Male	0.331	N/A	10	2.84%	N/A	5	1.74%	N/A	6	1.83%	N/A	21	2.17%
Age 19 to 24 Female	1.115	N/A	20	5.68%	N/A	22	7.64%	N/A	15	4.57%	N/A	57	5.89%
Age 25 to 44 Male	0.639	N/A	65	18.47%	N/A	63	21.88%	N/A	50	15.24%	N/A	178	18.39%
Age 25 to 44 Female	0.993	N/A	212	60.23%	N/A	164	56.94%	N/A	215	65.55%	N/A	591	61.05%
Age 45 and Older Male	0.943	N/A	10	2.84%	N/A	12	4.17%	N/A	11	3.35%	N/A	33	3.41%
Age 45 and Older Female	1.245	N/A	35	9.94%	N/A	22	7.64%	N/A	31	9.45%	N/A	88	9.09%
Risk Adjustment Results													
		Magnolia			Molina			United			Total		
Scored Members		Scored Members			Scored Members			Scored Members			Scored Members		
Member Months		Member Months			Member Months			Member Months			Member Months		
Unadjusted Plan Factor		Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor		
Budget Neutral Plan Factor		Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor		
Unscored Members		Unscored Members			Unscored Members			Unscored Members			Unscored Members		
Member Months		Member Months			Member Months			Member Months			Member Months		
Unadjusted Plan Factor		Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor		
Budget Neutral Plan Factor		Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor		
Total Members		Total Members			Total Members			Total Members			Total Members		
Member Months		Member Months			Member Months			Member Months			Member Months		
Unadjusted Plan Factor		Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor		
Budget Neutral Plan Factor		Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor		

Exhibit 3E Mississippi Division of Medicaid Risk Adjustment Results MA Adult - Central Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.126	N/A	6,354	100.00%	N/A	4,607	100.00%	N/A	5,985	100.00%	N/A	16,946	100.00%
Demographic Categories													
Age 19 to 24 Male	0.000	N/A	8	0.13%	N/A	8	0.17%	N/A	10	0.17%	N/A	26	0.15%
Age 19 to 24 Female	0.460	N/A	561	8.83%	N/A	496	10.77%	N/A	564	9.42%	N/A	1,621	9.57%
Age 25 to 44 Male	0.111	N/A	299	4.71%	N/A	219	4.75%	N/A	269	4.49%	N/A	787	4.64%
Age 25 to 44 Female	0.305	N/A	4,775	75.15%	N/A	3,513	76.25%	N/A	4,443	74.24%	N/A	12,731	75.13%
Age 45 and Older Male	0.127	N/A	133	2.09%	N/A	71	1.54%	N/A	123	2.06%	N/A	327	1.93%
Age 45 and Older Female	0.326	N/A	578	9.10%	N/A	300	6.51%	N/A	576	9.62%	N/A	1,454	8.58%
Duration Category													
Diagnosis Period Duration, 6 Months	0.448	N/A	58	0.91%	N/A	70	1.52%	N/A	75	1.25%	N/A	203	1.20%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	6,296	99.09%	N/A	4,537	98.48%	N/A	5,910	98.75%	N/A	16,743	98.80%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.126)	N/A	521	8.20%	N/A	398	8.64%	N/A	488	8.15%	N/A	1,407	8.30%
Duration Categories													
Homelessness	0.472	N/A	15	0.24%	N/A	4	0.09%	N/A	7	0.12%	N/A	26	0.15%
Disease Categories													
Cancer, high to very high	2.607	23	17	0.27%	23	10	0.22%	18	22	0.37%	18	49	0.29%
Cancer, low to medium	0.394	31	57	0.90%	31	37	0.80%	31	55	0.92%	31	149	0.88%
Cardiovascular, very high	2.004	36	4	0.06%	38	0	0.00%	35	6	0.10%	36	10	0.06%
Cardiovascular, medium	0.547	7	274	4.31%	7	173	3.76%	7	247	4.13%	7	694	4.10%
Cardiovascular, low	0.442	13	188	2.96%	16	96	2.08%	15	150	2.51%	13	434	2.56%
Cardiovascular, extra low	0.118	6	1,688	26.57%	6	1,110	24.09%	6	1,560	26.07%	6	4,358	25.72%
Cerebrovascular, medium	0.456	38	10	0.16%	36	5	0.11%	39	7	0.12%	39	22	0.13%
CNS, high	0.552	28	52	0.82%	25	39	0.85%	26	58	0.97%	27	149	0.88%
CNS, medium	0.544	32	39	0.61%	32	24	0.52%	32	29	0.48%	32	92	0.54%
CNS, low	0.425	9	332	5.23%	8	201	4.36%	8	312	5.21%	8	845	4.99%
Diabetes, type 1	1.366	14	55	0.87%	17	27	0.59%	13	50	0.84%	17	132	0.78%
Diabetes, type 2	0.241	8	617	9.71%	9	10	7.27%	9	500	8.35%	9	1,452	8.57%
Eye, very low to extra low	0.271	21	168	2.64%	27	73	1.58%	25	121	2.02%	25	362	2.14%
Gastro, high	0.864	39	4	0.06%	34	11	0.24%	36	12	0.20%	35	27	0.16%
Gastro, medium	0.585	16	122	1.92%	13	83	1.80%	17	107	1.79%	15	312	1.84%
Gastro, low	0.278	5	802	12.62%	5	524	11.37%	4	772	12.90%	5	2,098	12.38%
Genital, extra low	0.232	12	433	6.81%	11	306	6.64%	12	372	6.22%	12	1,111	6.58%
Infectious, very high	1.355	40	0	0.00%	38	0	0.00%	38	5	0.08%	40	5	0.03%
Infectious, high	0.426	24	98	1.54%	19	75	1.63%	19	97	1.62%	21	270	1.59%
Infectious, low to medium	0.196	30	122	1.92%	30	75	1.63%	29	130	2.17%	29	327	1.93%
Metabolic, high	0.528	26	74	1.16%	26	39	0.85%	27	58	0.97%	26	171	1.01%
Metabolic, medium	0.296	15	252	3.97%	15	155	3.36%	14	226	3.78%	14	633	3.74%
Pregnancy, complete	0.295	4	776	12.21%	4	598	12.98%	5	721	12.05%	4	2,095	12.35%
Pregnancy, incomplete	1.430	2	259	4.08%	2	205	4.45%	2	231	3.86%	2	695	4.10%
Psychiatric, high	0.665	20	74	1.16%	22	42	0.91%	23	51	0.85%	22	167	0.99%
Psychiatric, medium	0.490	22	91	1.43%	24	48	1.04%	22	73	1.22%	24	212	1.25%
Psychiatric, low	0.200	3	1,512	23.80%	3	1,037	22.51%	3	1,475	24.64%	3	4,024	24.04%
Pulmonary, medium to very high	0.499	19	102	1.61%	18	72	1.56%	20	79	1.32%	19	253	1.49%
Pulmonary, low	0.271	10	504	7.93%	9	302	6.56%	10	442	7.39%	10	1,248	7.36%
Rare Diseases	6.883	34	2	0.03%	38	0	0.00%	34	2	0.03%	34	4	0.02%
Renal, extra high	2.600	37	3	0.05%	35	2	0.04%	40	1	0.02%	38	6	0.04%
Renal, medium	0.539	27	64	1.01%	28	30	0.65%	28	51	0.85%	28	145	0.86%
Renal, low	0.472	18	118	1.86%	21	61	1.32%	24	71	1.19%	20	250	1.48%
Skeletal, medium	0.270	1	1,792	28.20%	1	1,198	26.00%	1	1,704	28.47%	1	4,694	27.70%
Skeletal, low	0.251	25	165	2.60%	20	127	2.76%	21	146	2.44%	23	438	2.58%
Skeletal, very low	0.189	29	127	2.00%	29	79	1.71%	30	125	2.09%	30	331	1.95%
Skin, high	1.732	35	5	0.08%	37	1	0.02%	37	4	0.07%	37	10	0.06%
Skin, low	0.891	33	23	0.36%	33	12	0.26%	33	17	0.28%	33	52	0.31%
Skin, very low	0.178	17	392	6.17%	14	266	5.77%	16	362	6.05%	16	1,020	6.02%
Substance abuse, very low to low	0.299	11	352	5.54%	12	236	5.12%	11	321	5.36%	11	909	5.36%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,236	19.45%	N/A	1,026	22.27%	N/A	1,243	20.77%	N/A	3,505	20.68%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 19 to 24 Male	0.331	N/A	7	1.93%	N/A	6	2.11%	N/A	8	2.25%	N/A	21	2.10%
Age 19 to 24 Female	1.115	N/A	19	5.25%	N/A	22	7.75%	N/A	16	4.49%	N/A	57	5.69%
Age 25 to 44 Male	0.639	N/A	55	15.19%	N/A	39	13.73%	N/A	42	11.80%	N/A	136	13.57%
Age 25 to 44 Female	0.993	N/A	234	64.64%	N/A	189	66.55%	N/A	231	64.89%	N/A	654	65.27%
Age 45 and Older Male	0.943	N/A	11	3.04%	N/A	12	4.23%	N/A	28	7.87%	N/A	51	5.09%
Age 45 and Older Female	1.245	N/A	36	9.94%	N/A	16	5.63%	N/A	31	8.71%	N/A	83	8.28%
Risk Adjustment Results													
Magnolia			Molina			United			Total				
Scored Members			Scored Members			Scored Members			Scored Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Unscored Members			Unscored Members			Unscored Members			Unscored Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				

Exhibit 3F Mississippi Division of Medicaid Risk Adjustment Results MA Adult - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period																	
Scored Members																	
Regression Intercept	Risk Weight	Magnolia			Molina			United			Total						
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months				
0.126	N/A	N/A	6,018	100.00%	N/A	N/A	4,846	100.00%	N/A	N/A	6,989	100.00%	N/A	N/A	17,853	100.00%	
Demographic Categories																	
Age 19 to 24 Male	0.000	N/A	N/A	13	0.22%	N/A	N/A	22	0.45%	N/A	N/A	14	0.20%	N/A	N/A	49	0.27%
Age 19 to 24 Female	0.460	N/A	N/A	526	8.74%	N/A	N/A	443	9.14%	N/A	N/A	584	8.36%	N/A	N/A	1,553	8.70%
Age 25 to 44 Male	0.111	N/A	N/A	384	6.38%	N/A	N/A	314	6.48%	N/A	N/A	471	6.74%	N/A	N/A	1,169	6.55%
Age 25 to 44 Female	0.305	N/A	N/A	4,368	72.58%	N/A	N/A	3,556	73.38%	N/A	N/A	5,020	71.83%	N/A	N/A	12,944	72.50%
Age 45 and Older Male	0.127	N/A	N/A	155	2.58%	N/A	N/A	129	2.66%	N/A	N/A	211	3.02%	N/A	N/A	495	2.77%
Age 45 and Older Female	0.326	N/A	N/A	572	9.50%	N/A	N/A	382	7.88%	N/A	N/A	689	9.86%	N/A	N/A	1,643	9.20%
Duration Category																	
Diagnosis Period Duration, 6 Months	0.448	N/A	N/A	76	1.26%	N/A	N/A	69	1.42%	N/A	N/A	82	1.17%	N/A	N/A	227	1.27%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	N/A	5,942	98.74%	N/A	N/A	4,777	98.58%	N/A	N/A	6,907	98.83%	N/A	N/A	17,626	98.73%
Non-Utilizer Category																	
No Base Period Medical Utilization	(0.126)	N/A	N/A	506	8.41%	N/A	N/A	495	10.21%	N/A	N/A	581	8.31%	N/A	N/A	1,582	8.86%
Duration Categories																	
Homelessness	0.472	N/A	N/A	11	0.18%	N/A	N/A	6	0.12%	N/A	N/A	13	0.19%	N/A	N/A	30	0.17%
Disease Categories																	
Cancer, high to very high	2.607	19	22	0.37%	19	16	0.33%	18	28	0.40%	19	66	0.37%				
Cancer, low to medium	0.394	30	62	1.03%	29	80	1.01%	30	80	1.14%	30	191	1.07%				
Cardiovascular, very high	2.004	37	6	0.10%	34	5	0.10%	38	2	0.03%	36	13	0.07%				
Cardiovascular, medium	0.547	9	268	4.45%	9	185	3.82%	8	325	4.65%	8	778	4.36%				
Cardiovascular, low	0.442	13	227	3.77%	12	175	3.61%	12	288	4.12%	12	690	3.86%				
Cardiovascular, extra low	0.118	7	1,473	24.48%	6	1,032	21.30%	7	1,736	24.84%	7	4,241	23.76%				
Cerebrovascular, medium	0.456	40	5	0.08%	38	7	0.14%	39	8	0.11%	40	20	0.11%				
CNS, high	0.552	35	22	0.37%	33	22	0.45%	35	26	0.37%	35	70	0.39%				
CNS, medium	0.544	31	42	0.70%	28	38	0.78%	31	54	0.75%	31	134	0.73%				
CNS, low	0.425	6	432	7.18%	7	277	5.72%	5	527	7.54%	6	1,236	6.92%				
Diabetes, type 1	1.366	12	80	1.33%	17	34	0.70%	16	60	0.86%	16	174	0.97%				
Diabetes, type 2	0.241	10	536	8.91%	10	363	7.49%	10	638	9.13%	11	1,537	8.51%				
Eye, very low to extra low	0.271	23	168	2.79%	25	102	2.10%	27	153	2.19%	25	423	2.37%				
Gastro, high	0.864	32	20	0.33%	36	9	0.19%	33	24	0.34%	33	53	0.30%				
Gastro, medium	0.585	15	167	2.78%	14	122	2.52%	13	209	2.99%	13	498	2.79%				
Gastro, low	0.278	4	882	14.66%	5	608	12.55%	4	957	13.69%	4	2,447	13.71%				
Genital, extra low	0.232	14	427	7.10%	13	313	6.46%	14	431	6.17%	14	1,171	6.58%				
Infectious, very high	1.355	38	4	0.07%	39	2	0.04%	40	2	0.03%	39	8	0.04%				
Infectious, high	0.426	26	89	1.48%	26	60	1.24%	26	108	1.55%	26	257	1.44%				
Infectious, low to medium	0.196	28	154	2.56%	27	110	2.27%	28	186	2.66%	28	450	2.52%				
Metabolic, high	0.528	22	90	1.50%	22	61	1.26%	22	96	1.37%	22	247	1.38%				
Metabolic, medium	0.296	18	221	3.67%	16	161	3.32%	17	274	3.92%	17	656	3.67%				
Pregnancy, complete	0.295	5	691	11.48%	4	604	12.46%	6	722	10.33%	5	2,017	11.30%				
Pregnancy, incomplete	1.430	3	192	3.19%	3	178	3.67%	3	189	2.70%	3	559	3.13%				
Psychiatric, high	0.665	25	62	1.03%	24	44	0.91%	23	75	1.07%	24	181	1.01%				
Psychiatric, medium	0.490	24	92	1.53%	23	61	1.26%	24	97	1.39%	23	250	1.40%				
Psychiatric, low	0.200	2	1,775	29.49%	2	1,423	29.36%	2	2,318	33.17%	2	5,516	30.90%				
Pulmonary, medium to very high	0.499	21	99	1.65%	20	78	1.61%	19	140	2.00%	20	317	1.78%				
Pulmonary, low	0.271	8	549	9.12%	8	375	7.74%	11	549	7.86%	9	1,473	8.25%				
Rare Diseases	6.883	33	2	0.03%	32	2	0.04%	32	4	0.06%	32	8	0.04%				
Renal, extra high	2.600	39	2	0.03%	40	1	0.02%	37	2	0.03%	38	5	0.03%				
Renal, medium	0.539	29	47	0.78%	29	63	0.68%	29	63	0.90%	29	143	0.80%				
Renal, low	0.472	17	141	2.34%	21	78	1.61%	20	146	2.09%	18	365	2.04%				
Skeletal, medium	0.270	1	1,583	26.30%	1	1,122	23.15%	1	1,845	26.40%	1	4,550	25.49%				
Skeletal, low	0.251	20	215	3.57%	18	169	3.49%	21	236	3.38%	21	620	3.47%				
Skeletal, very low	0.189	27	189	3.14%	30	102	2.10%	25	247	3.53%	27	538	3.01%				
Skin, high	1.732	36	7	0.12%	37	2	0.04%	36	5	0.07%	37	14	0.08%				
Skin, low	0.891	34	15	0.25%	35	10	0.21%	34	21	0.30%	34	46	0.26%				
Skin, very low	0.178	16	456	7.58%	15	342	7.06%	15	539	7.71%	15	1,337	7.49%				
Substance abuse, very low to low	0.299	11	432	7.18%	11	287	5.92%	9	522	7.47%	10	1,241	6.95%				
Population Statistics																	
No Classified Disease Categories	N/A	N/A	N/A	1,082	17.98%	N/A	N/A	992	20.47%	N/A	N/A	1,271	18.19%	N/A	N/A	3,345	18.74%
Unscored Members																	
Demographic Categories	Risk Weight	Magnolia			Molina			United			Total						
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months				
Age 19 to 24 Male	0.331	N/A	N/A	3	0.79%	N/A	N/A	7	2.13%	N/A	N/A	6	1.53%	N/A	N/A	16	1.46%
Age 19 to 24 Female	1.115	N/A	N/A	26	6.86%	N/A	N/A	34	10.33%	N/A	N/A	38	9.72%	N/A	N/A	98	8.92%
Age 25 to 44 Male	0.639	N/A	N/A	72	19.00%	N/A	N/A	55	16.72%	N/A	N/A	68	17.39%	N/A	N/A	195	17.74%
Age 25 to 44 Female	0.993	N/A	N/A	229	60.42%	N/A	N/A	191	58.05%	N/A	N/A	228	58.31%	N/A	N/A	648	58.96%
Age 45 and Older Male	0.943	N/A	N/A	18	4.75%	N/A	N/A	18	5.47%	N/A	N/A	17	4.35%	N/A	N/A	53	4.82%
Age 45 and Older Female	1.245	N/A	N/A	31	8.18%	N/A	N/A	24	7.29%	N/A	N/A	34	8.70%	N/A	N/A	89	8.10%
Risk Adjustment Results																	
Magnolia				Molina				United				Total					
Scored Members				Scored Members				Scored Members				Scored Members					
Member Months				Member Months				Member Months				Member Months					
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor					
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor					
Unscored Members				Unscored Members				Unscored Members				Unscored Members					
Member Months				Member Months				Member Months				Member Months					
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor					
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor					
Total Members				Total Members				Total Members				Total Members					
Member Months				Member Months				Member Months				Member Months					
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor					
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor					

Exhibit 3G Mississippi Division of Medicaid Risk Adjustment Results MA Children - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period												
Scored Members												
	Risk Weight	Magnolia			Molina			United			Total	
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months
Regression Intercept	0.595	N/A	29,017	100.00%	N/A	16,168	100.00%	N/A	27,064	100.00%	N/A	72,249
Demographic Categories												
Age 1 to 4	0.168	N/A	6,696	23.08%	N/A	5,302	32.79%	N/A	6,619	24.46%	N/A	18,617
Age 5 to 14 Male	0.038	N/A	7,852	27.06%	N/A	4,065	25.14%	N/A	7,140	26.38%	N/A	19,057
Age 5 to 14 Female	0.112	N/A	8,132	28.02%	N/A	4,180	25.85%	N/A	7,408	27.37%	N/A	19,720
Age 15 to 18 Male	0.000	N/A	3,100	10.68%	N/A	1,276	7.89%	N/A	2,584	10.66%	N/A	7,260
Age 15 to 18 Female	0.257	N/A	3,237	11.16%	N/A	1,345	8.32%	N/A	3,013	11.13%	N/A	7,595
Duration Category												
Diagnosis Period Duration, 6 Months	0.108	N/A	188	0.65%	N/A	132	0.82%	N/A	191	0.71%	N/A	511
Diagnosis Period Duration, 7 Months	0.098	N/A	194	0.67%	N/A	154	0.95%	N/A	175	0.65%	N/A	523
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	28,635	98.68%	N/A	15,882	98.23%	N/A	26,698	98.65%	N/A	71,215
Non-Utilizer Category												
No Base Period Medical Utilization	(0.410)	N/A	1,633	5.63%	N/A	1,121	6.93%	N/A	1,465	5.41%	N/A	4,219
Homelessness Category												
Homelessness Category	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0
Disease Categories												
Cancer, medium to very high	2.895	13	32	0.11%	14	16	0.10%	11	43	0.16%	12	91
Cardiovascular, very high	1.724	39	3	0.01%	39	2	0.01%	37	4	0.01%	37	9
Cardiovascular, medium	0.733	11	159	0.55%	10	80	0.49%	12	137	0.51%	11	376
Cardiovascular, low	0.450	9	297	1.02%	8	191	1.18%	9	306	1.13%	9	794
Cardiovascular, extra low	0.412	12	254	0.88%	17	104	0.64%	13	229	0.85%	13	587
Cerebrovascular, medium	2.021	36	5	0.02%	41	1	0.01%	39	1	0.00%	39	7
CNS, high	2.129	37	3	0.01%	34	4	0.02%	36	6	0.02%	36	13
CNS, medium	1.173	27	29	0.10%	28	16	0.10%	27	36	0.13%	26	81
CNS, low	0.751	5	478	1.65%	5	226	1.40%	5	447	1.65%	5	1,151
DD, low	1.630	14	53	0.18%	12	32	0.20%	17	45	0.17%	14	130
DD, medium	6.081	41	0	0.00%	31	2	0.01%	41	0	0.00%	41	2
Diabetes, type 1	3.867	6	60	0.21%	9	19	0.12%	6	70	0.26%	6	149
Diabetes, type 2	0.479	30	60	0.21%	32	24	0.15%	33	49	0.18%	31	133
Eye, very low to extra low	0.256	25	153	0.53%	25	88	0.54%	26	166	0.61%	25	407
Gastro, high	3.331	24	14	0.05%	22	9	0.06%	22	17	0.06%	24	40
Gastro, medium	1.271	20	48	0.17%	21	26	0.16%	23	42	0.16%	21	116
Gastro, low	0.340	4	1,265	4.36%	4	719	4.45%	4	1,259	4.65%	4	3,243
Genital, extra low	0.472	18	153	0.53%	11	118	0.73%	16	170	0.63%	15	441
Hematological, extra high	3.863	35	3	0.01%	38	1	0.01%	30	7	0.03%	34	11
Hematological, very high	3.011	34	5	0.02%	37	2	0.01%	35	5	0.02%	35	12
Hematological, low to medium	0.381	16	199	0.69%	15	115	0.71%	18	190	0.70%	18	504
Infectious, high to very high	0.682	26	57	0.20%	27	31	0.19%	31	39	0.14%	28	127
Infectious, medium	0.176	21	345	1.19%	18	233	1.44%	21	324	1.20%	19	902
Metabolic, high	0.754	15	103	0.35%	20	44	0.27%	15	110	0.41%	17	257
Metabolic, medium	0.391	29	76	0.26%	26	56	0.35%	28	74	0.27%	29	206
Pregnancy, complete	0.277	31	86	0.30%	33	41	0.25%	32	85	0.31%	32	212
Pregnancy, incomplete	3.124	10	41	0.14%	16	14	0.09%	10	43	0.16%	10	98
Psychiatric, high	3.507	28	9	0.03%	36	2	0.01%	24	14	0.05%	27	25
Psychiatric, medium	1.859	7	124	0.43%	6	67	0.41%	8	103	0.38%	7	294
Psychiatric, low	0.930	1	4,356	15.01%	1	1,980	12.25%	1	4,058	14.99%	1	10,394
Pulmonary, very high	1.975	23	24	0.08%	19	19	0.12%	19	34	0.13%	20	77
Pulmonary, medium to high	0.457	17	159	0.55%	13	110	0.68%	14	183	0.68%	16	452
Pulmonary, low	0.321	3	2,554	8.80%	3	1,224	7.57%	3	2,272	8.39%	3	6,050
Rare Diseases	7.505	32	3	0.01%	35	1	0.01%	34	3	0.01%	33	7
Renal, extra high	15.124	41	0	0.00%	30	1	0.01%	41	0	0.00%	38	1
Renal, medium	1.178	33	19	0.07%	29	13	0.08%	29	24	0.09%	30	56
Renal, low	0.277	19	238	0.82%	23	107	0.66%	25	164	0.61%	22	509
Skeletal, very low to medium	0.319	2	4,684	16.14%	2	2,433	15.05%	2	4,613	17.04%	2	11,730
Skin, high	0.773	38	7	0.02%	40	3	0.02%	38	7	0.03%	40	17
Skin, low	0.487	40	8	0.03%	42	2	0.01%	40	2	0.01%	42	12
Skin, very low	0.190	8	1,081	3.73%	7	612	3.79%	7	1,057	3.91%	8	2,750
Substance abuse, very low to low	1.082	22	45	0.16%	24	21	0.13%	20	61	0.23%	23	127
Population Statistics												
No Classified Disease Categories	N/A	N/A	15,348	52.89%	N/A	8,836	54.65%	N/A	14,189	52.43%	N/A	38,373
Unscored Members												
	Risk Weight	Magnolia			Molina			United			Total	
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months
Demographic Categories												
Age 1 to 4	0.976	N/A	244	26.87%	N/A	189	27.39%	N/A	224	25.84%	N/A	657
Age 5 to 14 Male	0.957	N/A	233	25.66%	N/A	188	27.25%	N/A	239	27.57%	N/A	660
Age 5 to 14 Female	0.953	N/A	265	29.19%	N/A	183	26.52%	N/A	218	25.14%	N/A	666
Age 15 to 18 Male	0.944	N/A	72	7.93%	N/A	67	9.71%	N/A	63	7.27%	N/A	202
Age 15 to 18 Female	1.321	N/A	94	10.35%	N/A	63	9.13%	N/A	123	14.19%	N/A	280
Risk Adjustment Results												
Scored Members		Magnolia			Molina			United			Total	
Member Months		29,017			16,168			27,064			72,249	
Unadjusted Plan Factor		1.007			0.970			1.020			1.004	
Budget Neutral Plan Factor		1.004			0.966			1.016			1.000	
Unscored Members												
Member Months		908			690			867			2,465	
Unadjusted Plan Factor		0.997			0.993			1.011			1.001	
Budget Neutral Plan Factor		0.996			0.992			1.010			1.000	
Total Members												
Member Months		29,925			16,858			27,931			74,714	
Unadjusted Plan Factor		1.007			0.971			1.020			1.004	
Budget Neutral Plan Factor		1.003			0.967			1.016			1.000	

Exhibit 3H Mississippi Division of Medicaid Risk Adjustment Results MA Children - Central Region - 03 to 04 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	34,402	100.00%	N/A	19,834	100.00%	N/A	31,627	100.00%	N/A	85,863	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	7,760	22.56%	N/A	6,491	32.73%	N/A	8,046	25.44%	N/A	22,297	25.97%
Age 5 to 14 Male	0.038	N/A	9,226	26.82%	N/A	4,902	24.72%	N/A	8,271	25.15%	N/A	22,399	26.09%
Age 5 to 14 Female	0.112	N/A	9,565	27.80%	N/A	5,107	25.75%	N/A	8,479	26.81%	N/A	23,151	26.96%
Age 15 to 18 Male	0.000	N/A	3,805	11.06%	N/A	1,674	8.44%	N/A	3,300	10.43%	N/A	8,779	10.22%
Age 15 to 18 Female	0.257	N/A	4,046	11.76%	N/A	1,660	8.37%	N/A	3,531	11.16%	N/A	9,237	10.76%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	180	0.52%	N/A	165	0.83%	N/A	203	0.64%	N/A	548	0.64%
Diagnosis Period Duration, 7 Months	0.098	N/A	195	0.57%	N/A	156	0.79%	N/A	172	0.54%	N/A	523	0.61%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	34,027	98.91%	N/A	19,513	98.38%	N/A	31,252	98.81%	N/A	84,792	98.75%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	2,047	5.95%	N/A	1,467	7.40%	N/A	1,866	5.90%	N/A	5,380	6.27%
Homelessness Category													
Homelessness	1.243	N/A	3	0.01%	N/A	2	0.01%	N/A	5	0.02%	N/A	10	0.01%
Disease Categories													
Cancer, medium to very high	2.895	12	43	0.12%	11	23	0.12%	12	40	0.13%	12	106	0.12%
Cardiovascular, very high	1.724	37	5	0.01%	38	1	0.01%	39	5	0.02%	38	11	0.01%
Cardiovascular, medium	0.733	16	133	0.39%	12	90	0.45%	14	143	0.45%	15	366	0.43%
Cardiovascular, low	0.450	9	404	1.17%	9	202	1.02%	9	372	1.18%	9	978	1.14%
Cardiovascular, extra low	0.412	10	328	0.95%	14	147	0.74%	11	301	0.95%	11	776	0.90%
Cerebrovascular, medium	2.021	40	3	0.01%	37	1	0.01%	41	3	0.01%	40	7	0.01%
CNS, high	2.129	28	20	0.06%	32	6	0.03%	26	20	0.06%	28	46	0.05%
CNS, medium	1.173	25	53	0.15%	25	19	0.10%	27	35	0.11%	26	107	0.12%
CNS, low	0.751	5	578	1.68%	5	318	1.60%	5	549	1.74%	5	1,445	1.68%
DD, low	1.630	14	67	0.19%	18	32	0.16%	13	69	0.22%	14	168	0.20%
DD, medium	6.081	39	1	0.00%	40	0	0.00%	40	1	0.00%	41	2	0.00%
Diabetes, type 1	3.867	7	75	0.22%	8	31	0.16%	6	79	0.25%	7	185	0.22%
Diabetes, type 2	0.479	30	72	0.21%	31	31	0.16%	29	67	0.21%	30	170	0.20%
Eye, very low to extra low	0.256	24	280	0.81%	23	111	0.56%	23	224	0.71%	23	615	0.72%
Gastro, high	3.331	23	22	0.06%	27	6	0.03%	24	17	0.05%	24	45	0.05%
Gastro, medium	1.271	18	68	0.20%	22	27	0.14%	22	47	0.15%	22	142	0.17%
Gastro, low	0.340	4	1,499	4.36%	4	952	4.80%	4	1,487	4.70%	4	3,938	4.59%
Genital, extra low	0.472	17	202	0.59%	13	134	0.68%	16	179	0.57%	17	515	0.60%
Hematological, extra high	3.863	38	2	0.01%	33	3	0.02%	36	3	0.01%	35	8	0.01%
Hematological, very high	3.011	41	2	0.01%	36	1	0.01%	38	3	0.01%	39	6	0.01%
Hematological, low to medium	0.381	15	263	0.76%	15	156	0.79%	18	221	0.70%	16	640	0.75%
Infectious, high to very high	0.682	33	43	0.12%	29	25	0.13%	31	36	0.11%	31	104	0.12%
Infectious, medium	0.176	21	448	1.30%	17	310	1.56%	20	412	1.30%	19	1,170	1.36%
Metabolic, high	0.754	20	110	0.32%	20	55	0.28%	19	103	0.33%	20	268	0.31%
Metabolic, medium	0.391	27	116	0.34%	28	51	0.26%	28	91	0.29%	27	258	0.30%
Pregnancy, complete	0.277	32	107	0.31%	30	54	0.27%	32	83	0.26%	32	244	0.28%
Pregnancy, incomplete	3.124	11	43	0.12%	16	19	0.10%	10	42	0.13%	10	104	0.12%
Psychiatric, high	3.507	26	16	0.05%	26	6	0.03%	25	14	0.04%	25	36	0.04%
Psychiatric, medium	1.859	6	162	0.47%	6	86	0.43%	7	143	0.45%	6	391	0.46%
Psychiatric, low	0.930	1	5,184	15.07%	1	2,190	11.04%	1	4,552	14.39%	1	11,926	13.89%
Pulmonary, very high	1.975	29	20	0.06%	24	13	0.07%	30	15	0.05%	29	48	0.06%
Pulmonary, medium to high	0.457	13	251	0.73%	10	170	0.86%	15	216	0.68%	13	637	0.74%
Pulmonary, low	0.321	3	2,919	8.48%	3	1,441	7.27%	3	2,713	8.58%	3	7,073	8.24%
Rare Diseases	7.505	31	4	0.01%	40	0	0.00%	35	2	0.01%	34	6	0.01%
Renal, extra high	15.124	35	1	0.00%	40	0	0.00%	34	1	0.00%	36	2	0.00%
Renal, medium	1.178	34	18	0.05%	34	7	0.04%	33	15	0.05%	33	40	0.05%
Renal, low	0.277	19	301	0.87%	21	147	0.74%	21	249	0.79%	21	697	0.81%
Skeletal, very low to medium	0.319	2	4,719	13.72%	2	2,699	13.61%	2	4,686	14.82%	2	12,104	14.10%
Skin, high	0.773	42	3	0.01%	39	2	0.01%	42	2	0.01%	42	7	0.01%
Skin, low	0.487	36	21	0.06%	35	16	0.08%	37	19	0.06%	37	56	0.07%
Skin, very low	0.190	8	1,221	3.55%	7	703	3.54%	8	1,126	3.56%	8	3,050	3.55%
Substance abuse, very low to low	1.082	22	71	0.21%	19	42	0.21%	17	78	0.25%	18	191	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	18,545	53.91%	N/A	11,065	55.79%	N/A	17,141	54.20%	N/A	46,751	54.45%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	198	29.12%	N/A	200	30.08%	N/A	177	23.38%	N/A	575	27.35%
Age 5 to 14 Male	0.957	N/A	180	26.47%	N/A	184	27.67%	N/A	215	28.40%	N/A	579	27.55%
Age 5 to 14 Female	0.953	N/A	189	27.79%	N/A	164	24.66%	N/A	209	27.61%	N/A	562	26.74%
Age 15 to 18 Male	0.944	N/A	51	7.50%	N/A	55	8.27%	N/A	73	9.64%	N/A	179	8.52%
Age 15 to 18 Female	1.321	N/A	62	9.12%	N/A	62	9.32%	N/A	83	10.96%	N/A	207	9.85%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Scored Members				Scored Members				Scored Members					
Member Months				Member Months				Member Months				85,863	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				0.993	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	
Unscored Members				Unscored Members				Unscored Members					
Member Months				Member Months				Member Months				2,102	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				0.996	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	
Total Members				Total Members				Total Members					
Member Months				Member Months				Member Months				87,965	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				0.993	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	

Exhibit 3I Mississippi Division of Medicaid Risk Adjustment Results MA Children - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.595	N/A	28,413	100.00%	N/A	18,084	100.00%	N/A	30,615	100.00%	N/A	77,112	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	6,126	21.56%	N/A	5,852	32.36%	N/A	6,849	22.37%	N/A	18,827	24.42%
Age 5 to 14 Male	0.038	N/A	7,881	27.74%	N/A	4,555	25.19%	N/A	8,273	27.02%	N/A	20,709	26.85%
Age 5 to 14 Female	0.112	N/A	8,069	28.40%	N/A	4,541	25.11%	N/A	8,517	27.92%	N/A	21,127	27.40%
Age 15 to 18 Male	0.000	N/A	3,068	10.80%	N/A	1,553	8.59%	N/A	3,412	11.14%	N/A	8,033	10.42%
Age 15 to 18 Female	0.257	N/A	3,269	11.51%	N/A	1,583	8.75%	N/A	3,564	11.64%	N/A	8,416	10.91%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	199	0.70%	N/A	139	0.77%	N/A	201	0.66%	N/A	539	0.70%
Diagnosis Period Duration, 7 Months	0.098	N/A	160	0.56%	N/A	151	0.83%	N/A	181	0.59%	N/A	492	0.64%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	28,054	98.74%	N/A	17,794	98.40%	N/A	30,233	98.75%	N/A	76,081	98.66%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	1,614	5.68%	N/A	1,324	7.32%	N/A	1,691	5.52%	N/A	4,629	6.00%
Homelessness Category													
Homelessness	1.243	N/A	1	0.00%	N/A	1	0.01%	N/A	2	0.01%	N/A	4	0.01%
Disease Categories													
Cancer, medium to very high	2.895	15	31	0.11%	9	26	0.14%	12	41	0.13%	11	98	0.13%
Cardiovascular, very high	1.724	41	0	0.00%	37	3	0.02%	39	4	0.01%	39	7	0.01%
Cardiovascular, medium	0.733	13	130	0.46%	15	67	0.37%	19	119	0.39%	15	316	0.41%
Cardiovascular, low	0.450	10	271	0.95%	10	164	0.91%	9	324	1.06%	9	759	0.98%
Cardiovascular, extra low	0.412	12	248	0.87%	16	114	0.63%	10	300	0.98%	13	662	0.86%
Cerebrovascular, medium	2.021	39	1	0.00%	41	0	0.00%	36	6	0.02%	38	7	0.01%
CNS, high	2.129	30	9	0.03%	36	4	0.02%	38	5	0.02%	35	18	0.02%
CNS, medium	1.173	21	50	0.18%	27	23	0.13%	24	54	0.18%	25	127	0.16%
CNS, low	0.751	6	403	1.42%	6	277	1.53%	6	447	1.46%	6	1,127	1.46%
DD, low	1.630	24	34	0.12%	19	27	0.15%	14	61	0.20%	18	122	0.16%
DD, medium	6.081	37	1	0.00%	41	0	0.00%	42	0	0.00%	41	1	0.00%
Diabetes, type 1	3.867	5	108	0.38%	5	54	0.30%	5	145	0.47%	5	307	0.40%
Diabetes, type 2	0.479	32	37	0.13%	34	23	0.13%	33	44	0.14%	32	104	0.13%
Eye, very low to extra low	0.256	27	184	0.65%	25	130	0.72%	26	225	0.73%	26	539	0.70%
Gastro, high	3.331	25	16	0.06%	24	11	0.06%	18	27	0.09%	21	54	0.07%
Gastro, medium	1.271	20	48	0.17%	23	31	0.17%	21	58	0.19%	22	137	0.18%
Gastro, low	0.340	4	1,580	5.56%	4	1,046	5.78%	4	1,831	5.98%	4	4,457	5.78%
Genital, extra low	0.472	16	156	0.55%	12	111	0.61%	16	199	0.65%	16	466	0.60%
Hematological, extra high	3.863	36	2	0.01%	32	4	0.02%	37	3	0.01%	36	9	0.01%
Hematological, very high	3.011	31	6	0.02%	30	7	0.04%	32	7	0.02%	31	20	0.03%
Hematological, low to medium	0.381	19	182	0.64%	18	121	0.67%	22	183	0.60%	20	486	0.63%
Infectious, high to very high	0.682	29	37	0.13%	29	32	0.18%	28	66	0.22%	29	135	0.18%
Infectious, medium	0.176	22	322	1.13%	20	241	1.33%	23	361	1.18%	24	924	1.20%
Metabolic, high	0.754	18	94	0.33%	13	69	0.38%	17	123	0.40%	17	286	0.37%
Metabolic, medium	0.391	26	134	0.47%	14	128	0.71%	25	157	0.51%	23	419	0.54%
Pregnancy, complete	0.277	33	55	0.19%	35	39	0.22%	34	75	0.24%	33	169	0.22%
Pregnancy, incomplete	3.124	9	46	0.16%	17	15	0.08%	11	39	0.13%	10	100	0.13%
Psychiatric, high	3.507	23	16	0.06%	31	5	0.03%	29	11	0.04%	27	32	0.04%
Psychiatric, medium	1.859	7	148	0.52%	7	93	0.51%	7	164	0.54%	7	405	0.53%
Psychiatric, low	0.930	1	4,962	17.46%	1	2,490	13.77%	1	5,518	18.02%	1	12,970	16.82%
Pulmonary, very high	1.975	28	15	0.05%	28	12	0.07%	27	25	0.08%	28	52	0.07%
Pulmonary, medium to high	0.457	11	249	0.88%	11	154	0.85%	15	212	0.69%	12	615	0.80%
Pulmonary, low	0.321	3	2,284	8.04%	3	1,251	6.92%	3	2,508	8.19%	3	6,043	7.84%
Rare Diseases	7.505	34	2	0.01%	26	4	0.02%	30	4	0.01%	30	10	0.01%
Renal, extra high	15.124	41	0	0.00%	33	1	0.01%	35	1	0.00%	37	2	0.00%
Renal, medium	1.178	35	11	0.04%	38	3	0.02%	31	21	0.07%	34	35	0.05%
Renal, low	0.277	17	264	0.93%	21	149	0.82%	20	281	0.92%	19	694	0.90%
Skeletal, very low to medium	0.319	2	3,232	11.38%	2	1,857	10.27%	2	3,628	11.85%	2	8,717	11.30%
Skin, high	0.773	38	3	0.01%	39	4	0.02%	40	6	0.02%	40	13	0.02%
Skin, low	0.487	40	3	0.01%	40	2	0.01%	41	6	0.02%	42	11	0.01%
Skin, very low	0.190	8	1,228	4.32%	8	727	4.02%	8	1,345	4.39%	8	3,300	4.28%
Substance abuse, very low to low	1.082	14	86	0.30%	22	37	0.20%	13	95	0.31%	14	218	0.28%
Population Statistics													
No Classified Disease Categories	N/A	N/A	15,172	53.40%	N/A	10,137	56.06%	N/A	16,212	52.95%	N/A	41,521	53.85%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	248	28.28%	N/A	272	32.89%	N/A	236	27.35%	N/A	756	29.45%
Age 5 to 14 Male	0.957	N/A	260	29.65%	N/A	195	23.58%	N/A	226	26.19%	N/A	681	26.33%
Age 5 to 14 Female	0.953	N/A	229	26.11%	N/A	210	25.39%	N/A	215	24.91%	N/A	654	25.48%
Age 15 to 18 Male	0.944	N/A	56	6.39%	N/A	79	9.55%	N/A	80	9.27%	N/A	215	8.38%
Age 15 to 18 Female	1.321	N/A	84	9.58%	N/A	71	8.59%	N/A	106	12.28%	N/A	261	10.17%
Risk Adjustment Results													
		Magnolia		Molina		United		Total					
Scored Members													
Member Months		28,413		18,084		30,615		77,112					
Unadjusted Plan Factor		1.026		0.982		1.046		1.023					
Budget Neutral Plan Factor		1.002		0.960		1.022		1.000					
Unscored Members													
Member Months		877		827		863		2,567					
Unadjusted Plan Factor		0.995		0.992		1.005		0.997					
Budget Neutral Plan Factor		0.998		0.995		1.007		1.000					
Total Members													
Member Months		29,290		18,911		31,478		79,679					
Unadjusted Plan Factor		1.025		0.983		1.044		1.023					
Budget Neutral Plan Factor		1.002		0.961		1.021		1.000					

Exhibit 3J Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	3,692	100.00%	N/A	1,860	100.00%	N/A	3,721	100.00%	N/A	9,273	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,206	32.67%	N/A	648	34.84%	N/A	1,296	34.83%	N/A	3,150	33.97%
Age 5 to 14 Female	0.112	N/A	1,275	34.53%	N/A	633	34.03%	N/A	1,228	33.00%	N/A	3,136	33.82%
Age 15 to 18 Male	0.000	N/A	617	16.71%	N/A	274	14.73%	N/A	585	15.72%	N/A	1,476	15.92%
Age 15 to 18 Female	0.257	N/A	594	16.09%	N/A	305	16.40%	N/A	612	16.45%	N/A	1,511	16.29%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	15	0.41%	N/A	28	1.51%	N/A	29	0.78%	N/A	72	0.78%
Diagnosis Period Duration, 7 Months	0.098	N/A	17	0.46%	N/A	21	1.13%	N/A	16	0.43%	N/A	54	0.58%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	3,660	99.13%	N/A	1,811	97.37%	N/A	3,676	98.79%	N/A	9,147	98.64%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	166	4.50%	N/A	117	6.29%	N/A	189	5.08%	N/A	472	5.09%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	22	2	0.05%	14	2	0.11%	16	3	0.08%	18	7	0.08%
Cardiovascular, very high	1.724	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Cardiovascular, medium	0.733	14	17	0.46%	23	4	0.22%	14	13	0.35%	13	34	0.37%
Cardiovascular, low	0.450	9	42	1.14%	10	21	1.13%	10	35	0.94%	10	98	1.06%
Cardiovascular, extra low	0.412	10	45	1.22%	9	27	1.45%	9	45	1.21%	9	117	1.26%
Cerebrovascular, medium	2.021	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
CNS, high	2.129	32	1	0.03%	24	1	0.05%	29	2	0.05%	31	4	0.04%
CNS, medium	1.173	19	7	0.19%	17	4	0.22%	25	4	0.11%	20	15	0.16%
CNS, low	0.751	6	37	1.00%	6	5	0.13%	6	51	1.37%	6	109	1.18%
DD, low	1.630	13	9	0.24%	16	3	0.16%	23	3	0.08%	14	15	0.16%
DD, medium	6.081	36	0	0.00%	12	1	0.05%	36	0	0.01%	33	1	0.01%
Diabetes, type 1	3.867	5	9	0.24%	6	4	0.22%	4	11	0.30%	5	24	0.26%
Diabetes, type 2	0.479	30	8	0.22%	26	4	0.22%	31	6	0.16%	30	18	0.19%
Eye, very low to extra low	0.256	18	34	0.92%	30	5	0.27%	28	17	0.46%	23	56	0.60%
Gastro, high	3.331	21	2	0.05%	20	1	0.05%	12	3	0.08%	19	6	0.06%
Gastro, medium	1.271	12	13	0.35%	15	4	0.22%	33	2	0.05%	15	19	0.20%
Gastro, low	0.340	4	111	3.01%	4	55	2.96%	5	117	3.14%	4	283	3.05%
Genital, extra low	0.472	24	10	0.27%	21	7	0.38%	24	10	0.29%	24	27	0.29%
Hematological, extra high	3.863	29	1	0.03%	33	0	0.00%	30	1	0.03%	32	2	0.02%
Hematological, very high	3.011	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Hematological, low to medium	0.381	23	15	0.41%	19	9	0.48%	18	21	0.56%	22	45	0.49%
Infectious, high to very high	0.682	25	7	0.19%	25	3	0.16%	27	7	0.19%	26	17	0.18%
Infectious, medium	0.176	33	12	0.33%	32	4	0.22%	32	16	0.43%	34	32	0.35%
Metabolic, high	0.754	11	24	0.65%	13	8	0.43%	17	11	0.30%	12	43	0.46%
Metabolic, medium	0.391	26	11	0.30%	28	4	0.22%	26	12	0.32%	27	27	0.29%
Pregnancy, complete	0.277	34	3	0.08%	27	6	0.32%	34	5	0.13%	35	14	0.15%
Pregnancy, incomplete	3.124	8	7	0.19%	11	2	0.11%	15	3	0.08%	11	12	0.13%
Psychiatric, high	3.507	20	2	0.05%	18	1	0.05%	21	2	0.05%	21	5	0.05%
Psychiatric, medium	1.859	15	6	0.16%	7	8	0.43%	7	18	0.48%	8	32	0.35%
Psychiatric, low	0.930	1	663	17.96%	1	320	17.20%	1	736	19.78%	1	1,719	18.54%
Pulmonary, very high	1.975	28	2	0.05%	33	0	0.00%	19	4	0.11%	25	6	0.06%
Pulmonary, medium to high	0.457	27	9	0.24%	29	3	0.16%	22	11	0.30%	28	23	0.25%
Pulmonary, low	0.321	3	346	9.37%	3	146	7.85%	3	313	8.41%	3	805	8.68%
Rare Diseases	7.505	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Renal, extra high	15.124	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Renal, medium	1.178	31	2	0.05%	33	0	0.00%	20	6	0.16%	29	8	0.09%
Renal, low	0.277	17	32	0.87%	22	11	0.59%	13	36	0.97%	16	79	0.85%
Skeletal, very low to medium	0.319	2	678	18.36%	2	286	15.38%	2	660	17.74%	2	1,624	17.51%
Skin, high	0.773	35	1	0.03%	33	0	0.00%	36	0	0.00%	37	1	0.01%
Skin, low	0.487	36	0	0.00%	33	0	0.00%	35	1	0.03%	36	1	0.01%
Skin, very low	0.190	7	140	3.79%	8	74	3.98%	8	149	4.00%	7	363	3.91%
Substance abuse, very low to low	1.082	16	9	0.24%	31	1	0.05%	11	10	0.27%	17	20	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,901	51.49%	N/A	1,012	54.41%	N/A	1,899	51.03%	N/A	4,812	51.89%
Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	38	33.63%	N/A	33	37.08%	N/A	38	31.40%	N/A	109	33.75%
Age 5 to 14 Female	0.953	N/A	48	42.48%	N/A	35	39.33%	N/A	53	43.80%	N/A	136	42.11%
Age 15 to 18 Male	0.944	N/A	11	9.73%	N/A	11	12.36%	N/A	14	11.57%	N/A	36	11.15%
Age 15 to 18 Female	1.321	N/A	16	14.16%	N/A	10	11.24%	N/A	16	13.22%	N/A	42	13.00%
Risk Adjustment Results													
		Magnolia			Molina			United			Total		
Scored Members			3,692			1,860		3,721			9,273		
Member Months			1,022			0.991		1.033			1.020		
Unadjusted Plan Factor			1.002			0.972		1.012			1.000		
Unscored Members													
Member Months			113			89		121			323		
Unadjusted Plan Factor			1.005			0.995		1.002			1.001		
Budget Neutral Plan Factor			1.004			0.994		1.001			1.000		
Total Members													
Member Months			3,805			1,949		3,842			9,596		
Unadjusted Plan Factor			1.021			0.992		1.032			1.019		
Budget Neutral Plan Factor			1.002			0.973		1.012			1.000		

Exhibit 3K Mississippi Division of Medicaid Risk Adjustment Results Ouasi-CHIP - Central Region- 03 to 04 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.595	N/A	4,220	100.00%	N/A	2,109	100.00%	N/A	4,179	100.00%	N/A	10,508	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,446	34.27%	N/A	740	35.09%	N/A	1,401	33.52%	N/A	3,587	34.14%
Age 5 to 14 Female	0.112	N/A	1,375	32.58%	N/A	736	34.90%	N/A	1,401	33.52%	N/A	3,512	33.42%
Age 15 to 18 Male	0.000	N/A	684	16.21%	N/A	325	15.41%	N/A	705	16.87%	N/A	1,714	16.31%
Age 15 to 18 Female	0.257	N/A	715	16.94%	N/A	308	14.60%	N/A	672	16.08%	N/A	1,695	16.13%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	22	0.52%	N/A	10	0.47%	N/A	16	0.38%	N/A	48	0.46%
Diagnosis Period Duration, 7 Months	0.098	N/A	17	0.40%	N/A	13	0.62%	N/A	26	0.62%	N/A	56	0.53%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	4,181	99.08%	N/A	2,086	98.91%	N/A	4,137	98.99%	N/A	10,404	99.01%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	187	4.43%	N/A	180	8.53%	N/A	203	4.86%	N/A	570	5.42%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	8	10	0.24%	9	4	0.19%	9	9	0.22%	8	23	0.22%
Cardiovascular, very high	1.724	35	1	0.02%	31	1	0.05%	35	0	0.00%	37	2	0.02%
Cardiovascular, medium	0.733	13	21	0.50%	16	7	0.33%	16	17	0.41%	14	45	0.43%
Cardiovascular, low	0.450	12	38	0.90%	10	20	0.95%	10	53	1.27%	11	111	1.06%
Cardiovascular, extra low	0.412	11	53	1.26%	12	19	0.90%	12	53	1.27%	10	125	1.19%
Cerebrovascular, medium	2.021	30	2	0.05%	37	0	0.00%	35	0	0.00%	35	2	0.02%
CNS, high	2.129	34	1	0.02%	14	3	0.14%	24	3	0.07%	26	7	0.07%
CNS, medium	1.173	14	13	0.31%	21	3	0.14%	21	7	0.17%	17	23	0.22%
CNS, low	0.751	5	62	1.47%	5	29	1.38%	4	63	1.51%	4	154	1.47%
DD, low	1.630	24	5	0.12%	26	2	0.09%	11	14	0.34%	13	21	0.20%
DD, medium	6.081	39	0	0.00%	37	0	0.00%	35	0	0.00%	40	0	0.00%
Diabetes, type 1	3.867	6	8	0.19%	4	7	0.33%	5	11	0.26%	6	26	0.25%
Diabetes, type 2	0.479	29	10	0.24%	33	2	0.09%	27	9	0.22%	30	21	0.20%
Eye, very low to extra low	0.256	19	40	0.95%	24	13	0.62%	19	37	0.89%	20	90	0.86%
Gastro, high	3.331	20	3	0.07%	23	1	0.05%	29	1	0.02%	25	5	0.05%
Gastro, medium	1.271	16	10	0.24%	15	5	0.24%	15	10	0.24%	15	25	0.24%
Gastro, low	0.340	4	139	3.29%	6	54	2.56%	6	116	2.78%	5	309	2.94%
Genital, extra low	0.472	22	20	0.47%	25	7	0.33%	23	15	0.36%	24	42	0.40%
Hematological, extra high	3.863	39	0	0.00%	37	0	0.00%	22	2	0.05%	31	2	0.02%
Hematological, very high	3.011	39	0	0.00%	37	0	0.00%	35	0	0.00%	40	0	0.00%
Hematological, low to medium	0.381	18	28	0.66%	22	9	0.43%	25	16	0.38%	23	53	0.50%
Infectious, high to very high	0.682	27	9	0.21%	28	3	0.14%	28	6	0.14%	27	18	0.17%
Infectious, medium	0.176	37	7	0.17%	35	3	0.14%	33	8	0.19%	38	18	0.17%
Metabolic, high	0.754	17	15	0.36%	11	11	0.52%	18	13	0.31%	16	39	0.37%
Metabolic, medium	0.391	32	9	0.21%	30	5	0.24%	26	15	0.36%	29	29	0.28%
Pregnancy, complete	0.277	31	14	0.33%	32	7	0.28%	31	7	0.17%	32	27	0.26%
Pregnancy, incomplete	3.124	10	8	0.19%	27	1	0.05%	13	5	0.12%	12	14	0.13%
Psychiatric, high	3.507	26	2	0.05%	37	0	0.00%	35	0	0.00%	34	2	0.02%
Psychiatric, medium	1.859	7	16	0.38%	7	9	0.43%	7	19	0.45%	7	44	0.42%
Psychiatric, low	0.930	1	751	17.80%	1	327	15.50%	1	753	18.02%	1	1,831	17.42%
Pulmonary, very high	1.975	25	4	0.09%	29	1	0.05%	30	1	0.02%	28	6	0.06%
Pulmonary, medium to high	0.457	23	19	0.45%	19	8	0.38%	20	18	0.43%	22	45	0.43%
Pulmonary, low	0.321	3	385	9.12%	3	167	7.92%	3	348	8.33%	3	900	8.56%
Rare Diseases	7.505	15	2	0.05%	13	1	0.05%	35	0	0.00%	21	3	0.03%
Renal, extra high	15.124	39	0	0.00%	37	0	0.00%	35	0	0.00%	40	0	0.00%
Renal, medium	1.178	33	2	0.05%	20	3	0.14%	34	1	0.02%	33	6	0.06%
Renal, low	0.277	21	36	0.85%	17	18	0.85%	17	39	0.93%	18	93	0.89%
Skeletal, very low to medium	0.319	2	618	14.64%	2	259	12.28%	2	595	14.24%	2	1,472	14.01%
Skin, high	0.773	36	2	0.05%	34	1	0.05%	32	2	0.05%	36	5	0.05%
Skin, low	0.487	38	2	0.05%	36	1	0.05%	35	0	0.00%	39	3	0.03%
Skin, very low	0.190	9	134	3.18%	8	62	2.94%	8	142	3.40%	9	338	3.22%
Substance abuse, very low to low	1.082	28	5	0.12%	18	4	0.19%	14	13	0.31%	19	22	0.21%
Population Statistics													
No Classified Disease Categories	N/A	N/A	2,287	54.19%	N/A	1,183	56.09%	N/A	2,294	54.89%	N/A	5,764	54.85%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	35	33.02%	N/A	25	37.88%	N/A	36	39.13%	N/A	96	36.36%
Age 5 to 14 Female	0.953	N/A	35	33.02%	N/A	29	43.94%	N/A	37	40.22%	N/A	101	38.26%
Age 15 to 18 Male	0.944	N/A	18	16.98%	N/A	6	9.09%	N/A	13	14.13%	N/A	37	14.02%
Age 15 to 18 Female	1.321	N/A	18	16.98%	N/A	6	9.09%	N/A	6	6.52%	N/A	30	11.36%
Risk Adjustment Results													
Magnolia				Molina			United			Total			
Scored Members				Unscored Members			Scored Members			Unscored Members			
Member Months				4,220			2,109			10,508			
Unadjusted Plan Factor				1.021			0.959			1.012			
Budget Neutral Plan Factor				1.016			0.954			1.007			
Unscored Members				Scored Members			Unscored Members			Scored Members			
Member Months				106			66			264			
Unadjusted Plan Factor				1.015			0.987			0.977			
Budget Neutral Plan Factor				1.020			0.992			0.982			
Total Members				Unscored Members			Total Members			Unscored Members			
Member Months				4,326			2,175			10,772			
Unadjusted Plan Factor				1.021			0.960			1.011			
Budget Neutral Plan Factor				1.016			0.955			1.007			

Exhibit 3L Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Magnolia			Molina			United		Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	3,208	100.00%	N/A	1,930	100.00%	N/A	3,663	100.00%	N/A	8,801	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,092	34.04%	N/A	685	35.49%	N/A	1,282	35.00%	N/A	3,059	34.73%
Age 5 to 14 Female	0.112	N/A	1,053	32.82%	N/A	665	34.46%	N/A	1,207	32.95%	N/A	2,925	33.23%
Age 15 to 18 Male	0.000	N/A	540	16.83%	N/A	291	15.08%	N/A	626	17.09%	N/A	1,457	16.55%
Age 15 to 18 Female	0.257	N/A	523	16.30%	N/A	289	14.97%	N/A	548	14.96%	N/A	1,360	15.45%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	8	0.25%	N/A	27	1.40%	N/A	24	0.66%	N/A	59	0.67%
Diagnosis Period Duration, 7 Months	0.098	N/A	15	0.47%	N/A	14	0.73%	N/A	15	0.41%	N/A	44	0.50%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	3,185	99.28%	N/A	1,889	97.88%	N/A	3,624	98.94%	N/A	8,698	98.83%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	186	5.80%	N/A	148	7.67%	N/A	181	4.94%	N/A	515	5.85%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	1	0.03%	N/A	1	0.01%
Disease Categories													
Cancer, medium to very high	2.895	7	10	0.31%	18	2	0.10%	13	5	0.14%	10	17	0.19%
Cardiovascular, very high	1.724	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
Cardiovascular, medium	0.733	21	9	0.28%	10	12	0.62%	18	15	0.41%	18	36	0.41%
Cardiovascular, low	0.450	13	33	1.03%	14	16	0.83%	14	32	0.87%	12	81	0.92%
Cardiovascular, extra low	0.412	10	53	1.65%	11	21	1.09%	9	56	1.53%	9	130	1.48%
Cerebrovascular, medium	2.021	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
CNS, high	2.129	30	1	0.03%	9	5	0.26%	12	7	0.19%	17	13	0.15%
CNS, medium	1.173	15	10	0.31%	17	5	0.26%	16	10	0.27%	16	25	0.28%
CNS, low	0.751	8	35	1.09%	6	20	1.04%	7	44	1.20%	17	99	1.12%
DD, low	1.630	16	7	0.22%	30	1	0.05%	11	12	0.33%	20	20	0.23%
DD, medium	6.081	35	0	0.00%	16	1	0.05%	35	0	0.00%	13	1	0.01%
Diabetes, type 1	3.867	4	17	0.53%	5	6	0.31%	4	24	0.66%	4	47	0.53%
Diabetes, type 2	0.479	25	10	0.31%	32	3	0.16%	29	7	0.19%	28	20	0.23%
Eye, very low to extra low	0.256	26	18	0.56%	23	14	0.73%	25	26	0.71%	25	58	0.66%
Gastro, high	3.331	11	5	0.16%	24	1	0.05%	20	3	0.08%	15	9	0.10%
Gastro, medium	1.271	14	10	0.31%	21	3	0.16%	27	3	0.08%	23	16	0.18%
Gastro, low	0.340	5	142	4.43%	4	83	4.30%	5	156	4.26%	5	381	4.33%
Genital, extra low	0.472	20	16	0.50%	22	8	0.41%	26	13	0.35%	24	37	0.42%
Hematological, extra high	3.863	35	0	0.00%	20	1	0.05%	35	0	0.00%	34	1	0.01%
Hematological, very high	3.011	35	0	0.00%	26	1	0.05%	35	0	0.00%	37	1	0.01%
Hematological, low to medium	0.381	24	13	0.41%	29	6	0.31%	28	9	0.25%	27	28	0.32%
Infectious, high to very high	0.682	31	3	0.09%	27	4	0.21%	33	2	0.05%	32	9	0.10%
Infectious, medium	0.176	33	6	0.19%	34	4	0.21%	32	11	0.30%	35	21	0.24%
Metabolic, high	0.754	17	14	0.44%	25	4	0.21%	15	16	0.44%	20	34	0.39%
Metabolic, medium	0.391	23	14	0.44%	31	4	0.21%	24	18	0.49%	26	36	0.41%
Pregnancy, complete	0.277	32	6	0.19%	33	3	0.16%	34	3	0.08%	36	12	0.14%
Pregnancy, incomplete	3.124	29	1	0.03%	8	4	0.21%	10	7	0.19%	11	12	0.14%
Psychiatric, high	3.507	18	3	0.09%	35	0	0.00%	19	3	0.08%	22	6	0.07%
Psychiatric, medium	1.859	6	19	0.59%	13	4	0.21%	6	21	0.57%	6	44	0.50%
Psychiatric, low	0.930	1	700	21.82%	1	430	22.28%	1	909	24.82%	1	2,039	23.17%
Pulmonary, very high	1.975	27	2	0.06%	35	0	0.00%	31	1	0.03%	32	3	0.03%
Pulmonary, medium to high	0.457	22	13	0.41%	19	9	0.47%	17	25	0.68%	21	47	0.53%
Pulmonary, low	0.321	3	236	7.36%	3	140	7.25%	3	311	8.49%	3	687	7.81%
Rare Diseases	7.505	35	0	0.00%	35	0	0.00%	23	1	0.03%	30	1	0.01%
Renal, extra high	15.124	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
Renal, medium	1.178	28	3	0.09%	28	2	0.10%	30	2	0.05%	29	7	0.08%
Renal, low	0.277	19	35	1.09%	15	22	1.14%	21	36	0.98%	19	93	1.06%
Skeletal, very low to medium	0.319	2	392	12.22%	2	195	10.10%	2	423	11.55%	2	1,010	11.48%
Skin, high	0.773	34	1	0.03%	35	0	0.00%	35	0	0.00%	38	1	0.01%
Skin, low	0.487	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
Skin, very low	0.190	9	117	3.65%	7	74	3.83%	8	158	4.31%	8	349	3.97%
Substance abuse, very low to low	1.082	12	14	0.44%	12	7	0.36%	22	7	0.19%	14	28	0.32%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,689	52.65%	N/A	1,004	52.02%	N/A	1,842	50.29%	N/A	4,535	51.53%
Unscored Members													
	Risk Weight	Magnolia			Molina			United		Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	26	33.33%	N/A	27	38.03%	N/A	41	39.81%	N/A	94	37.30%
Age 5 to 14 Female	0.953	N/A	31	39.74%	N/A	25	35.21%	N/A	30	29.13%	N/A	86	34.13%
Age 15 to 18 Male	0.944	N/A	7	8.97%	N/A	9	12.68%	N/A	18	17.48%	N/A	34	13.49%
Age 15 to 18 Female	1.321	N/A	14	17.95%	N/A	10	14.08%	N/A	14	13.59%	N/A	38	15.08%
Risk Adjustment Results													
Scored Members		Magnolia			Molina			United		Total			
Member Months		3,208			1,930			3,663		8,801			
Unadjusted Plan Factor		1.059			1.027			1.092		1.066			
Budget Neutral Plan Factor		0.994			0.963			1.025		1.000			
Unscored Members													
Member Months		78			71			103		252			
Unadjusted Plan Factor		1.019			1.005			1.003		1.009			
Budget Neutral Plan Factor		1.011			0.996			0.994		1.000			
Total Members													
Member Months		3,286			2,001			3,766		9,053			
Unadjusted Plan Factor		1.058			1.026			1.090		1.064			
Budget Neutral Plan Factor		0.994			0.965			1.024		1.000			

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
June 2024 Snapshot Period

North Region									
			Magnolia		Molina		United		Total
			Member	% of Member	Member	% of Member	Member	% of Member	Member
			Months	Months	Months	Months	Months	Months	Months
Description	Risk Weight								
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	1.433	278	18.30%	64	25.50%	101	19.57%	443
Money Code 3	Receiving IV-E Assistance	0.938	249	16.39%	41	16.33%	91	17.64%	381
Money Code 4	Receiving IV-E Subadoption Ast	0.145	927	61.03%	135	53.78%	288	55.81%	1,350
Other	All other Money Codes	0.000	65	4.28%	11	4.38%	36	6.98%	112
Unadjusted Plan Factor			0.941		1.033		0.964		0.956
Member Months			1,519		251		516		2,286
Budget Neutral Plan Factor			0.984		1.080		1.007		1.000

Central Region									
			Magnolia		Molina		United		Total
			Member	% of Member	Member	% of Member	Member	% of Member	Member
			Months	Months	Months	Months	Months	Months	Months
Description	Risk Weight								
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	1.433	316	20.13%	97	30.79%	99	21.57%	512
Money Code 3	Receiving IV-E Assistance	0.938	345	21.97%	89	28.25%	112	24.40%	546
Money Code 4	Receiving IV-E Subadoption Ast	0.145	858	54.65%	118	37.46%	219	47.71%	1,195
Other	All other Money Codes	0.000	51	3.25%	11	3.49%	29	6.32%	91
Unadjusted Plan Factor			1.011		1.197		1.044		1.042
Member Months			1,570		315		459		2,344
Budget Neutral Plan Factor			0.970		1.149		1.002		1.000

South Region									
			Magnolia		Molina		United		Total
			Member	% of Member	Member	% of Member	Member	% of Member	Member
			Months	Months	Months	Months	Months	Months	Months
Description	Risk Weight								
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	1.433	318	14.76%	112	25.17%	116	17.34%	546
Money Code 3	Receiving IV-E Assistance	0.938	400	18.56%	107	24.04%	121	18.09%	628
Money Code 4	Receiving IV-E Subadoption Ast	0.145	1,339	62.13%	211	47.42%	376	56.20%	1,926
Other	All other Money Codes	0.000	98	4.55%	15	3.37%	56	8.37%	169
Unadjusted Plan Factor			0.912		1.092		0.936		0.942
Member Months			2,155		445		669		3,269
Budget Neutral Plan Factor			0.969		1.159		0.994		1.000

Exhibit 4A Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024 Custom Risk Weights - Non-Newborn SSI / Disabled Rate Cell						
Model R-Squared: 29.5%						
Risk Weight Category	CY 2023 Member Months ¹	Scored Member Coefficient	Prevalence	Scored Member Model Metrics		Unscored Member Coefficient ³
				P-Value	Population Risk Score ²	
Regression Intercept	686,830	0.113	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	27,989	0.470	4.1%	N/A	1.364	1.364
Age 5 to 14 Male	82,498	0.184	12.0%	N/A	0.701	0.701
Age 5 to 14 Female	37,790	0.265	5.5%	N/A	0.872	0.872
Age 15 to 24 Male	64,121	0.000	9.3%	N/A	0.522	0.522
Age 15 to 24 Female	34,985	0.187	5.1%	N/A	0.831	0.831
Age 25 to 44 Male	80,695	0.003	11.7%	N/A	0.797	0.797
Age 25 to 44 Female	71,681	0.133	10.4%	N/A	1.120	1.120
Age 45 and Older Male	127,940	0.107	18.6%	N/A	1.188	1.188
Age 45 and Older Female	159,131	0.027	23.2%	N/A	1.249	1.249
Duration						
Diagnosis Period Duration, 6 to 7 Months	4,733	0.382	0.7%	0.000	1.320	N/A
Diagnosis Period Duration, 8 Months	2,773	0.320	0.4%	0.001	1.271	N/A
Diagnosis Period Duration, 9 to 11 Months	7,851	0.167	1.1%	0.004	1.340	N/A
Diagnosis Period Duration, 12 Months	671,473	0.000	97.8%	N/A	0.993	N/A
Homelessness						
Homelessness	5,632	0.931	0.8%	0.000	2.921	N/A
Disease Categories						
Cancer, very high	3,864	3.067	0.6%	0.000	5.033	N/A
Cancer, high	8,697	0.816	1.3%	0.000	2.519	N/A
Cancer, medium	12,472	0.611	1.8%	0.000	2.343	N/A
Cancer, low	7,519	0.318	1.1%	0.000	1.794	N/A
Cardiovascular, very high	4,821	1.460	0.7%	0.000	5.286	N/A
Cardiovascular, medium	78,617	0.584	11.4%	0.000	2.228	N/A
Cardiovascular, extra low to low	226,545	0.081	33.0%	0.000	1.115	N/A
Cerebrovascular, medium	11,081	0.115	1.6%	0.022	1.965	N/A
CNS, high	7,154	0.781	1.0%	0.000	2.878	N/A
CNS, medium	18,733	0.479	2.7%	0.000	1.839	N/A
CNS, low	123,627	0.243	18.0%	0.000	1.574	N/A
DD, low to medium	30,775	0.174	4.5%	0.000	1.252	N/A
Diabetes, type 1	10,180	0.862	1.5%	0.000	2.596	N/A
Diabetes, type 2	100,327	0.199	14.6%	0.000	1.596	N/A
Gastro, high	11,125	0.320	1.6%	0.000	3.363	N/A
Gastro, medium	29,419	0.268	4.3%	0.000	2.041	N/A
Gastro, low	124,224	0.135	18.1%	0.000	1.528	N/A
Hematological, extra high	12	4.752	0.0%	0.001	9.015	N/A
Hematological, medium to very high	13,267	0.931	1.9%	0.000	3.061	N/A
Hematological, low	10,527	0.370	1.5%	0.000	3.024	N/A
Infectious, high to very high	21,565	0.300	3.1%	0.000	2.374	N/A
Infectious, low to medium	25,862	0.188	3.8%	0.000	2.260	N/A
Metabolic, high	18,367	0.468	2.7%	0.000	2.576	N/A
Metabolic, medium	47,448	0.239	6.9%	0.000	2.349	N/A
Pregnancy, complete	5,329	0.173	0.8%	0.016	1.203	N/A
Pregnancy, incomplete	1,736	0.841	0.3%	0.000	1.941	N/A
Psychiatric, high	53,414	0.643	7.8%	0.000	1.568	N/A
Psychiatric, low to medium	282,160	0.225	41.1%	0.000	1.126	N/A
Pulmonary, very high	13,937	0.816	2.0%	0.000	3.257	N/A
Pulmonary, high	1,817	0.481	0.3%	0.000	2.577	N/A
Pulmonary, medium	32,635	0.472	4.8%	0.000	2.534	N/A
Pulmonary, low	105,596	0.131	15.4%	0.000	1.273	N/A
Rare Diseases	723	2.664	0.1%	0.000	4.594	N/A
Renal, extra high	4,153	4.191	0.6%	0.000	6.896	N/A
Renal, medium	27,425	0.362	4.0%	0.000	2.168	N/A
Renal, low	29,489	0.277	4.3%	0.000	1.870	N/A
Skeletal, medium	166,182	0.254	24.2%	0.000	1.595	N/A
Skeletal, very low to low	62,828	0.070	9.1%	0.002	1.374	N/A
Skin, low to high	11,851	0.624	1.7%	0.000	2.976	N/A
Skin, very low	47,331	0.169	6.9%	0.000	1.592	N/A
Substance abuse, low	45,757	0.324	6.7%	0.000	1.972	N/A
Substance abuse, very low	15,131	0.202	2.2%	0.000	1.694	N/A
Disabled Children Add-On						
Disabled Children Add-On - CNS, high	1,830	1.388	0.3%	0.000	4.287	N/A
Disabled Children Add-On - Gastro, high	5,933	1.508	0.9%	0.000	3.911	N/A
Disabled Children Add-On - Pulmonary, very high	2,933	0.419	0.4%	0.000	3.866	N/A

¹ CY 2023 member months satisfying the regression criteria.
² Reflects the average total risk score for all members associated with the given variable.
³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4B			
Mississippi Division of Medicaid			
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - Non-Newborn SSI / Disabled Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, very high	3.067
CANH	Cancer, high	Cancer, high	0.816
CANM	Cancer, medium	Cancer, medium	0.611
CANL	Cancer, low	Cancer, low	0.318
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.460
CARM	Cardiovascular, medium	Cardiovascular, medium	0.584
CARL	Cardiovascular, low	Cardiovascular, extra low to low	0.081
CAREL	Cardiovascular, extra low	Cardiovascular, extra low to low	0.081
CERM	Cerebrovascular, medium	Cerebrovascular, medium	0.115
CNSH	CNS, high	CNS, high	0.781
CNSM	CNS, medium	CNS, medium	0.479
CNSL	CNS, low	CNS, low	0.243
DDM	DD, medium	DD, low to medium	0.174
DDL	DD, low	DD, low to medium	0.174
DIA1	Diabetes, type 1	Diabetes, type 1	0.862
DIA2	Diabetes, type 2	Diabetes, type 2	0.199
EYEL	Eye, low	Not Used	Not Used
EYEVL	Eye, very low	Not Used	Not Used
GIH	Gastro, high	Gastro, high	0.320
GIM	Gastro, medium	Gastro, medium	0.268
GIL	Gastro, low	Gastro, low	0.135
GENEL	Genital, extra low	Not Used	Not Used
HEMEH	Hematological, extra high	Hematological, extra high	4.752
HEMVH	Hematological, very high	Hematological, medium to very high	0.931
HEMM	Hematological, medium	Hematological, medium to very high	0.931
HEML	Hematological, low	Hematological, low	0.370
INFVH	Infectious, very high	Infectious, high to very high	0.300
INFH	Infectious, high	Infectious, high to very high	0.300
INFM	Infectious, medium	Infectious, low to medium	0.188
INFL	Infectious, low	Infectious, low to medium	0.188
METH	Metabolic, high	Metabolic, high	0.468
METM	Metabolic, medium	Metabolic, medium	0.239
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.173
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.841
PSYH	Psychiatric, high	Psychiatric, high	0.643
PSYM	Psychiatric, medium	Psychiatric, low to medium	0.225
PSYL	Psychiatric, low	Psychiatric, low to medium	0.225
PULVH	Pulmonary, very high	Pulmonary, very high	0.816
PULH	Pulmonary, high	Pulmonary, high	0.481
PULM	Pulmonary, medium	Pulmonary, medium	0.472
PULL	Pulmonary, low	Pulmonary, low	0.131
RENEH	Renal, extra high	Renal, extra high	4.191
RENM	Renal, medium	Renal, medium	0.362
RENL	Renal, low	Renal, low	0.277
SKCM	Skeletal, medium	Skeletal, medium	0.254
SKCL	Skeletal, low	Skeletal, very low to low	0.070
SKCVL	Skeletal, very low	Skeletal, very low to low	0.070
SKNH	Skin, high	Skin, low to high	0.624
SKNL	Skin, low	Skin, low to high	0.624
SKNVL	Skin, very low	Skin, very low	0.169
SUBL	Substance abuse, low	Substance abuse, low	0.324
SUBVL	Substance abuse, very low	Substance abuse, very low	0.202
CCARVH	Disabled Children Add-On - Cardiovascular, very high	Not Used	Not Used
CCARM	Disabled Children Add-On - Cardiovascular, medium	Not Used	Not Used
CCNSH	Disabled Children Add-On - CNS, high	Disabled Children Add-On - CNS, high	1.388
CDDM	Disabled Children Add-On - DD, medium	Not Used	Not Used
CDIA1	Disabled Children Add-On - Diabetes, type 1	Not Used	Not Used
CGIH	Disabled Children Add-On - Gastro, high	Disabled Children Add-On - Gastro, high	1.508
CHEMEH	Disabled Children Add-On - Hematological, extra high	Not Used	Not Used
CHEMVH	Disabled Children Add-On - Hematological, very high	Not Used	Not Used
CINFVH	Disabled Children Add-On - Infectious, very high	Not Used	Not Used
CINFH	Disabled Children Add-On - Infectious, high	Not Used	Not Used
CINFM	Disabled Children Add-On - Infectious, medium	Not Used	Not Used
CMETH	Disabled Children Add-On - Metabolic, high	Not Used	Not Used
CMETM	Disabled Children Add-On - Metabolic, medium	Not Used	Not Used
CPSYH	Disabled Children Add-On - Psychiatric, high	Not Used	Not Used
CPSYM	Disabled Children Add-On - Psychiatric, medium	Not Used	Not Used
CPULVH	Disabled Children Add-On - Pulmonary, very high	Disabled Children Add-On - Pulmonary, very high	0.419
CRENEH	Disabled Children Add-On - Renal, extra high	Not Used	Not Used
CSUBL	Disabled Children Add-On - Substance abuse, low	Not Used	Not Used
CSUBVL	Disabled Children Add-On - Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.584
MRX2	Cardiac	Cardiovascular, extra low to low	0.081
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low to medium	0.225
MRX4	Diabetes	Diabetes, type 2	0.199
MRX5	Hemophilia/von Willebrands	Hematological, extra high	4.752
MRX6	Hepatitis	Infectious, low to medium	0.188
MRX7	HIV	Infectious, low to medium	0.188
MRX8	Infections, high	Infectious, high to very high	0.300
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.254
MRX10	Malignancies	Cancer, medium	0.611
MRX11	Multiple Sclerosis / Paralysis	CNS, high	0.781
MRX12	Parkinsons / Tremor	CNS, low	0.243
MRX13	Rare Diseases	Rare Diseases	2.664
MRX14	Seizure disorders	CNS, low	0.243
MRX15	Tuberculosis	Infectious, low to medium	0.188

Exhibit 4C

Mississippi Division of Medicaid

SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024

Custom Risk Weights - MA Adult Rate Cell

Model R-Squared: 35.6%						
Risk Weight Category	CY 2023 Member Months ¹	Scored Member Coefficient	Scored Member Model Metrics			Unscored Member Coefficient ³
			Prevalence	P-Value	Population Risk Score ²	
Regression Intercept	439,404	0.126	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 19 to 24 Male	1,191	0.000	0.3%	N/A	0.331	0.331
Age 19 to 24 Female	33,669	0.460	7.7%	N/A	1.115	1.115
Age 25 to 44 Male	29,458	0.111	6.7%	N/A	0.639	0.639
Age 25 to 44 Female	320,071	0.305	72.8%	N/A	0.993	0.993
Age 45 and Older Male	11,689	0.127	2.7%	N/A	0.943	0.943
Age 45 and Older Female	43,326	0.326	9.9%	N/A	1.245	1.245
Non-Utilizer Category						
No Base Period Medical Utilization	35,780	(0.126)	8.1%	0.000	0.284	N/A
Duration						
Diagnosis Period Duration, 6 Months	4,681	0.448	1.1%	0.000	1.255	N/A
Diagnosis Period Duration, 7 to 12 Months	434,723	0.000	98.9%	N/A	0.997	N/A
Homelessness						
Homelessness	699	0.472	0.2%	0.025	2.273	N/A
Disease Categories						
Cancer, high to very high	1,485	2.607	0.3%	0.000	4.707	N/A
Cancer, low to medium	5,126	0.394	1.2%	0.000	1.864	N/A
Cardiovascular, very high	501	2.004	0.1%	0.000	4.770	N/A
Cardiovascular, medium	20,731	0.547	4.7%	0.000	2.145	N/A
Cardiovascular, low	16,476	0.442	3.7%	0.000	1.827	N/A
Cardiovascular, extra low	115,484	0.118	26.3%	0.000	1.220	N/A
Cerebrovascular, medium	632	0.456	0.1%	0.038	2.523	N/A
CNS, high	1,927	0.552	0.4%	0.000	2.343	N/A
CNS, medium	2,919	0.544	0.7%	0.000	2.330	N/A
CNS, low	28,055	0.425	6.4%	0.000	1.946	N/A
Diabetes, type 1	3,825	1.366	0.9%	0.000	2.939	N/A
Diabetes, type 2	30,601	0.241	7.0%	0.000	1.660	N/A
Eye, very low to extra low	9,330	0.271	2.1%	0.000	1.694	N/A
Gastro, high	1,193	0.864	0.3%	0.000	3.034	N/A
Gastro, medium	11,530	0.585	2.6%	0.000	2.187	N/A
Gastro, low	60,114	0.278	13.7%	0.000	1.602	N/A
Genital, extra low	28,771	0.232	6.5%	0.000	1.659	N/A
Infectious, very high	101	1.355	0.0%	0.013	3.451	N/A
Infectious, high	6,403	0.426	1.5%	0.000	2.269	N/A
Infectious, low to medium	10,381	0.196	2.4%	0.000	1.874	N/A
Metabolic, high	5,493	0.528	1.3%	0.000	2.286	N/A
Metabolic, medium	15,886	0.296	3.6%	0.000	2.077	N/A
Pregnancy, complete	47,226	0.295	10.7%	0.000	1.212	N/A
Pregnancy, incomplete	14,968	1.430	3.4%	0.000	2.252	N/A
Psychiatric, high	4,060	0.665	0.9%	0.000	2.039	N/A
Psychiatric, medium	5,861	0.490	1.3%	0.000	1.858	N/A
Psychiatric, low	127,229	0.200	29.0%	0.000	1.384	N/A
Pulmonary, medium to very high	9,517	0.499	2.2%	0.000	2.412	N/A
Pulmonary, low	37,305	0.271	8.5%	0.000	1.620	N/A
Rare Diseases	66	6.883	0.0%	0.000	9.430	N/A
Renal, extra high	128	2.600	0.0%	0.000	6.574	N/A
Renal, medium	3,760	0.539	0.9%	0.000	2.478	N/A
Renal, low	8,726	0.472	2.0%	0.000	2.097	N/A
Skeletal, medium	115,794	0.270	26.4%	0.000	1.436	N/A
Skeletal, low	15,336	0.251	3.5%	0.000	1.437	N/A
Skeletal, very low	11,243	0.189	2.6%	0.000	1.335	N/A
Skin, high	371	1.732	0.1%	0.000	4.561	N/A
Skin, low	1,151	0.891	0.3%	0.000	3.004	N/A
Skin, very low	29,277	0.178	6.7%	0.000	1.483	N/A
Substance abuse, very low to low	31,117	0.299	7.1%	0.000	1.675	N/A

¹ CY 2023 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4D Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024 CDPS+Rx Mapping to Custom Risk Weight Categories - MA Adult Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, high to very high	2.607
CANH	Cancer, high	Cancer, high to very high	2.607
CANM	Cancer, medium	Cancer, low to medium	0.394
CANL	Cancer, low	Cancer, low to medium	0.394
CARVH	Cardiovascular, very high	Cardiovascular, very high	2.004
CARM	Cardiovascular, medium	Cardiovascular, medium	0.547
CARL	Cardiovascular, low	Cardiovascular, low	0.442
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.118
CERM	Cerebrovascular, medium	Cerebrovascular, medium	0.456
CNSH	CNS, high	CNS, high	0.552
CNSM	CNS, medium	CNS, medium	0.544
CNSL	CNS, low	CNS, low	0.425
DDM	DD, medium	Not Used	Not Used
DDL	DD, low	Not Used	Not Used
DIA1	Diabetes, type 1	Diabetes, type 1	1.366
DIA2	Diabetes, type 2	Diabetes, type 2	0.241
EYEL	Eye, low	Eye, very low to extra low	0.271
EYEVL	Eye, very low	Eye, very low to extra low	0.271
GIH	Gastro, high	Gastro, high	0.864
GIM	Gastro, medium	Gastro, medium	0.585
GIL	Gastro, low	Gastro, low	0.278
GENEL	Genital, extra low	Genital, extra low	0.232
HEMEH	Hematological, extra high	Not Used	Not Used
HEMVH	Hematological, very high	Not Used	Not Used
HEMM	Hematological, medium	Not Used	Not Used
HEML	Hematological, low	Not Used	Not Used
INFVH	Infectious, very high	Infectious, very high	1.355
INFH	Infectious, high	Infectious, high	0.426
INFM	Infectious, medium	Infectious, low to medium	0.196
INFL	Infectious, low	Infectious, low to medium	0.196
METH	Metabolic, high	Metabolic, high	0.528
METM	Metabolic, medium	Metabolic, medium	0.296
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.295
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	1.430
PSYH	Psychiatric, high	Psychiatric, high	0.665
PSYM	Psychiatric, medium	Psychiatric, medium	0.490
PSYL	Psychiatric, low	Psychiatric, low	0.200
PULVH	Pulmonary, very high	Pulmonary, medium to very high	0.499
PULH	Pulmonary, high	Pulmonary, medium to very high	0.499
PULM	Pulmonary, medium	Pulmonary, medium to very high	0.499
PULL	Pulmonary, low	Pulmonary, low	0.271
RENEH	Renal, extra high	Renal, extra high	2.600
RENM	Renal, medium	Renal, medium	0.539
RENL	Renal, low	Renal, low	0.472
SKCM	Skeletal, medium	Skeletal, medium	0.270
SKCL	Skeletal, low	Skeletal, low	0.251
SKCVL	Skeletal, very low	Skeletal, very low	0.189
SKNH	Skin, high	Skin, high	1.732
SKNL	Skin, low	Skin, low	0.891
SKNVL	Skin, very low	Skin, very low	0.178
SUBL	Substance abuse, low	Substance abuse, very low to low	0.299
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.299
MRX1	Anti-coagulants	Cardiovascular, medium	0.547
MRX2	Cardiac	Cardiovascular, extra low	0.118
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.200
MRX4	Diabetes	Diabetes, type 2	0.241
MRX5	Hemophilia/von Willebrands	Not Used	Not Used
MRX6	Hepatitis	Infectious, low to medium	0.196
MRX7	HIV	Infectious, low to medium	0.196
MRX8	Infections, high	Infectious, high	0.426
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.270
MRX10	Malignancies	Cancer, low to medium	0.394
MRX11	Multiple Sclerosis / Paralysis	CNS, high	0.552
MRX12	Parkinsons / Tremor	CNS, low	0.425
MRX13	Rare Diseases	Rare Diseases	6.883
MRX14	Seizure disorders	CNS, low	0.425
MRX15	Tuberculosis	Infectious, low to medium	0.196

Exhibit 4E						
Mississippi Division of Medicaid						
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024						
Custom Risk Weights - CHIP & MississippiCAN Children Rate Cells						
Model R-Squared: 10.2%						
Risk Weight Category	Scored Member Model Metrics					
	CY 2023 Member Months ¹	Scored Member Coefficient	Prevalence	P-Value	Population Risk Score ²	Unscored Member Coefficient ³
Regression Intercept	3,309,147	0.595	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	731,984	0.168	22.1%	N/A	0.976	0.976
Age 5 to 14 Male	909,713	0.038	27.5%	N/A	0.957	0.957
Age 5 to 14 Female	918,920	0.112	27.8%	N/A	0.953	0.953
Age 15 to 18 Male	371,291	0.000	11.2%	N/A	0.944	0.944
Age 15 to 18 Female	377,239	0.257	11.4%	N/A	1.321	1.321
Non-Utilizer Category						
No Base Period Medical Utilization	182,980	(0.410)	5.5%	0.000	0.282	N/A
Duration						
Diagnosis Period Duration, 6 Months	14,570	0.108	0.4%	0.037	0.886	N/A
Diagnosis Period Duration, 7 Months	26,037	0.098	0.8%	0.011	1.006	N/A
Diagnosis Period Duration, 8 to 12 Months	3,268,540	0.000	98.8%	N/A	1.000	N/A
Homelessness						
Homelessness	234	1.243	0.0%	0.002	3.173	N/A
Disease Categories						
Cancer, medium to very high	4,462	2.895	0.1%	0.000	5.020	N/A
Cardiovascular, very high	366	1.724	0.0%	0.000	7.166	N/A
Cardiovascular, medium	16,247	0.733	0.5%	0.000	2.440	N/A
Cardiovascular, low	43,787	0.450	1.3%	0.000	1.902	N/A
Cardiovascular, extra low	33,091	0.412	1.0%	0.000	2.102	N/A
Cerebrovascular, medium	265	2.021	0.0%	0.000	5.904	N/A
CNS, high	1,577	2.129	0.0%	0.000	4.449	N/A
CNS, medium	4,645	1.173	0.1%	0.000	3.149	N/A
CNS, low	50,373	0.751	1.5%	0.000	2.303	N/A
DD, medium	36	6.081	0.0%	0.000	9.047	N/A
DD, low	4,791	1.630	0.1%	0.000	3.800	N/A
Diabetes, type 1	8,130	3.867	0.2%	0.000	5.181	N/A
Diabetes, type 2	5,941	0.479	0.2%	0.000	2.127	N/A
Eye, very low to extra low	20,748	0.256	0.6%	0.000	1.548	N/A
Gastro, high	2,475	3.331	0.1%	0.000	5.923	N/A
Gastro, medium	6,128	1.271	0.2%	0.000	3.044	N/A
Gastro, low	166,443	0.340	5.0%	0.000	1.603	N/A
Genital, extra low	18,564	0.472	0.6%	0.000	1.940	N/A
Hematological, extra high	48	3.863	0.0%	0.000	4.657	N/A
Hematological, very high	557	3.011	0.0%	0.000	7.302	N/A
Hematological, low to medium	21,443	0.381	0.6%	0.000	1.974	N/A
Infectious, high to very high	4,543	0.662	0.1%	0.000	2.646	N/A
Infectious, medium	38,038	0.176	1.1%	0.000	1.436	N/A
Metabolic, high	12,930	0.754	0.4%	0.000	2.841	N/A
Metabolic, medium	10,153	0.391	0.3%	0.000	2.402	N/A
Pregnancy, complete	6,712	0.277	0.2%	0.000	1.750	N/A
Pregnancy, incomplete	3,714	3.124	0.1%	0.000	4.510	N/A
Psychiatric, high	1,066	3.507	0.0%	0.000	5.081	N/A
Psychiatric, medium	12,361	1.859	0.4%	0.000	3.079	N/A
Psychiatric, low	495,629	0.930	15.0%	0.000	1.883	N/A
Pulmonary, very high	2,702	1.975	0.1%	0.000	4.489	N/A
Pulmonary, medium to high	25,507	0.457	0.8%	0.000	1.941	N/A
Pulmonary, low	273,757	0.321	8.3%	0.000	1.456	N/A
Rare Diseases	287	7.506	0.0%	0.000	9.572	N/A
Renal, extra high	69	15.124	0.0%	0.000	19.997	N/A
Renal, medium	1,834	1.178	0.1%	0.000	3.242	N/A
Renal, low	25,902	0.277	0.8%	0.000	1.702	N/A
Skeletal, very low to medium	432,135	0.319	13.1%	0.000	1.490	N/A
Skin, high	306	0.773	0.0%	0.030	3.114	N/A
Skin, low	819	0.487	0.0%	0.025	2.125	N/A
Skin, very low	119,701	0.190	3.6%	0.000	1.366	N/A
Substance abuse, very low to low	6,264	1.082	0.2%	0.000	3.154	N/A

¹ CY 2023 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4F			
Mississippi Division of Medicaid			
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - CHIP & MississippiCAN Children Rate Cells			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, medium to very high	2.895
CANH	Cancer, high	Cancer, medium to very high	2.895
CANM	Cancer, medium	Cancer, medium to very high	2.895
CANL	Cancer, low	Not Used	Not Used
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.724
CARM	Cardiovascular, medium	Cardiovascular, medium	0.733
CARL	Cardiovascular, low	Cardiovascular, low	0.450
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.412
CERM	Cerebrovascular, medium	Cerebrovascular, medium	2.021
CNSH	CNS, high	CNS, high	2.129
CNSM	CNS, medium	CNS, medium	1.173
CNSL	CNS, low	CNS, low	0.751
DDM	DD, medium	DD, medium	6.081
DDL	DD, low	DD, low	1.630
DIA1	Diabetes, type 1	Diabetes, type 1	3.867
DIA2	Diabetes, type 2	Diabetes, type 2	0.479
EYEL	Eye, low	Eye, very low to extra low	0.256
EYEVL	Eye, very low	Eye, very low to extra low	0.256
GIH	Gastro, high	Gastro, high	3.331
GIM	Gastro, medium	Gastro, medium	1.271
GIL	Gastro, low	Gastro, low	0.340
GENEL	Genital, extra low	Genital, extra low	0.472
HEMEH	Hematological, extra high	Hematological, extra high	3.863
HEMVH	Hematological, very high	Hematological, very high	3.011
HEMM	Hematological, medium	Hematological, low to medium	0.381
HEML	Hematological, low	Hematological, low to medium	0.381
INFVH	Infectious, very high	Infectious, high to very high	0.662
INFH	Infectious, high	Infectious, high to very high	0.662
INFM	Infectious, medium	Infectious, medium	0.176
INFL	Infectious, low	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.754
METM	Metabolic, medium	Metabolic, medium	0.391
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.277
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	3.124
PSYH	Psychiatric, high	Psychiatric, high	3.507
PSYM	Psychiatric, medium	Psychiatric, medium	1.859
PSYL	Psychiatric, low	Psychiatric, low	0.930
PULVH	Pulmonary, very high	Pulmonary, very high	1.975
PULH	Pulmonary, high	Pulmonary, medium to high	0.457
PULM	Pulmonary, medium	Pulmonary, medium to high	0.457
PULL	Pulmonary, low	Pulmonary, low	0.321
RENEH	Renal, extra high	Renal, extra high	15.124
RENM	Renal, medium	Renal, medium	1.178
RENL	Renal, low	Renal, low	0.277
SKCM	Skeletal, medium	Skeletal, very low to medium	0.319
SKCL	Skeletal, low	Skeletal, very low to medium	0.319
SKCVL	Skeletal, very low	Skeletal, very low to medium	0.319
SKNH	Skin, high	Skin, high	0.773
SKNL	Skin, low	Skin, low	0.487
SKNVL	Skin, very low	Skin, very low	0.190
SUBL	Substance abuse, low	Substance abuse, very low to low	1.082
SUBVL	Substance abuse, very low	Substance abuse, very low to low	1.082
MRX1	Anti-coagulants	Cardiovascular, medium	0.733
MRX2	Cardiac	Cardiovascular, extra low	0.412
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.930
MRX4	Diabetes	Diabetes, type 2	0.479
MRX5	Hemophilia/von Willebrands	Hematological, extra high	3.863
MRX6	Hepatitis	Infectious, medium	0.176
MRX7	HIV	Infectious, medium	0.176
MRX8	Infections, high	Infectious, high to very high	0.662
MRX9	Inflammatory /Autoimmune	Skeletal, very low to medium	0.319
MRX10	Malignancies	Cancer, medium to very high	2.895
MRX11	Multiple Sclerosis / Paralysis	CNS, high	2.129
MRX12	Parkinsons / Tremor	CNS, low	0.751
MRX13	Rare Diseases	Rare Diseases	7.506
MRX14	Seizure disorders	CNS, low	0.751
MRX15	Tuberculosis	Not Used	Not Used

Exhibit 5A
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024

Region:	North									
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)	
Non-Newborn SSI / Disabled										
Magnolia	0.9979	\$760.00	\$758.40	\$290.00	\$150.00	\$10.00	\$5.00	\$455.00	\$1,213.40	
Molina	0.9935	\$760.00	\$755.03	\$290.00	\$150.00	\$10.00	\$5.00	\$455.00	\$1,210.03	
United	1.0047	\$760.00	\$763.57	\$290.00	\$150.00	\$10.00	\$5.00	\$455.00	\$1,218.57	
MA Adult										
Magnolia	1.0103	\$360.00	\$363.69	\$130.00	\$150.00	\$10.00	\$5.00	\$295.00	\$658.69	
Molina	0.9731	\$360.00	\$350.32	\$130.00	\$150.00	\$10.00	\$5.00	\$295.00	\$645.32	
United	1.0082	\$360.00	\$362.95	\$130.00	\$150.00	\$10.00	\$5.00	\$295.00	\$657.95	
MA Children										
Magnolia	1.0034	\$210.00	\$210.72	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$415.72	
Molina	0.9673	\$210.00	\$203.13	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$408.13	
United	1.0161	\$210.00	\$213.38	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$418.38	
Quasi-CHIP										
Magnolia	1.0017	\$200.00	\$200.35	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$405.35	
Molina	0.9727	\$200.00	\$194.55	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$399.55	
United	1.0121	\$200.00	\$202.42	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$407.42	
Foster Care										
Magnolia	0.9830	\$630.00	\$619.27	\$310.00	\$150.00	\$10.00	\$5.00	\$475.00	\$1,094.27	
Molina	1.1098	\$630.00	\$699.16	\$310.00	\$150.00	\$10.00	\$5.00	\$475.00	\$1,174.16	
United	0.9956	\$630.00	\$627.21	\$310.00	\$150.00	\$10.00	\$5.00	\$475.00	\$1,102.21	

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Exhibit 5B
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024

Region:	Central									
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)	
Non-Newborn SSI / Disabled										
Magnolia	1.0083	\$900.00	\$907.43	\$350.00	\$150.00	\$10.00	\$5.00	\$515.00	\$1,422.43	
Molina	0.9982	\$900.00	\$898.34	\$350.00	\$150.00	\$10.00	\$5.00	\$515.00	\$1,413.34	
United	0.9904	\$900.00	\$891.34	\$350.00	\$150.00	\$10.00	\$5.00	\$515.00	\$1,406.34	
MA Adult										
Magnolia	1.0192	\$370.00	\$377.09	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$682.09	
Molina	0.9697	\$370.00	\$358.80	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$663.80	
United	1.0031	\$370.00	\$371.13	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$676.13	
MA Children										
Magnolia	1.0116	\$220.00	\$222.55	\$50.00	\$150.00	\$10.00	\$5.00	\$215.00	\$437.55	
Molina	0.9605	\$220.00	\$211.32	\$50.00	\$150.00	\$10.00	\$5.00	\$215.00	\$426.32	
United	1.0124	\$220.00	\$222.73	\$50.00	\$150.00	\$10.00	\$5.00	\$215.00	\$437.73	
Quasi-CHIP										
Magnolia	1.0162	\$210.00	\$213.40	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$418.40	
Molina	0.9549	\$210.00	\$200.54	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$405.54	
United	1.0065	\$210.00	\$211.37	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$416.37	
Foster Care										
Magnolia	0.9592	\$660.00	\$633.04	\$440.00	\$150.00	\$10.00	\$5.00	\$605.00	\$1,238.04	
Molina	1.1722	\$660.00	\$773.66	\$440.00	\$150.00	\$10.00	\$5.00	\$605.00	\$1,378.66	
United	1.0238	\$660.00	\$675.68	\$440.00	\$150.00	\$10.00	\$5.00	\$605.00	\$1,280.68	

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024

Region:		South								
		(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled										
Magnolia		1.0167	\$950.00	\$965.87	\$380.00	\$150.00	\$10.00	\$5.00	\$545.00	\$1,510.87
Molina		0.9998	\$950.00	\$949.84	\$380.00	\$150.00	\$10.00	\$5.00	\$545.00	\$1,494.84
United		0.9841	\$950.00	\$934.88	\$380.00	\$150.00	\$10.00	\$5.00	\$545.00	\$1,479.88
MA Adult										
Magnolia		1.0195	\$350.00	\$356.83	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$661.83
Molina		0.9619	\$350.00	\$336.68	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$641.68
United		1.0098	\$350.00	\$353.43	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$658.43
MA Children										
Magnolia		1.0022	\$190.00	\$190.41	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$395.41
Molina		0.9611	\$190.00	\$182.62	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$387.62
United		1.0213	\$190.00	\$194.05	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$399.05
Quasi-CHIP										
Magnolia		0.9944	\$180.00	\$178.99	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$383.99
Molina		0.9645	\$180.00	\$173.62	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$378.62
United		1.0238	\$180.00	\$184.28	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$389.28
Foster Care										
Magnolia		0.9611	\$560.00	\$538.22	\$240.00	\$150.00	\$10.00	\$5.00	\$405.00	\$943.22
Molina		1.1759	\$560.00	\$658.48	\$240.00	\$150.00	\$10.00	\$5.00	\$405.00	\$1,063.48
United		1.0068	\$560.00	\$563.82	\$240.00	\$150.00	\$10.00	\$5.00	\$405.00	\$968.82

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Caveats and Limitations
Mississippi Division of Medicaid
Q3 to Q4 2024 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q3 to Q4 2023 Foster Care risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO eligibility data from June 2024 to December 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q3 to Q4 2024 for MississippiCAN eligible Foster Care members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We, Jill Bruckert and Katarina Lorenz, are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
July 2024 to December 2024 Enrollment Period

North Region										
Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	1.433	1,772	19.34%	331	21.35%	537	18.13%	2,640	19.31%
Money Code 3	Receiving IV-E Assistance	0.938	1,482	16.18%	323	20.84%	481	16.24%	2,286	16.72%
Money Code 4	Receiving IV-E Subadoption Ast	0.145	5,547	60.54%	841	54.26%	1,742	58.81%	8,130	59.46%
Other	All other Money Codes	0.000	361	3.94%	55	3.55%	202	6.82%	618	4.52%
Unadjusted Plan Factor			0.953		1.017		0.934		0.956	
Member Months			9,162		1,550		2,962		13,674	
Budget Neutral Plan Factor			0.997		1.063		0.977		1.000	

Central Region										
Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	1.433	1,811	19.27%	489	26.36%	459	17.54%	2,759	19.89%
Money Code 3	Receiving IV-E Assistance	0.938	2,086	22.20%	519	27.98%	690	26.37%	3,295	23.76%
Money Code 4	Receiving IV-E Subadoption Ast	0.145	5,210	55.44%	789	42.53%	1,296	49.52%	7,295	52.60%
Other	All other Money Codes	0.000	291	3.10%	58	3.13%	172	6.57%	521	3.76%
Unadjusted Plan Factor			1.002		1.139		1.007		1.021	
Member Months			9,398		1,855		2,617		13,870	
Budget Neutral Plan Factor			0.981		1.115		0.987		1.000	

South Region										
Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	1.433	1,883	14.57%	532	20.14%	628	15.74%	3,043	15.56%
Money Code 3	Receiving IV-E Assistance	0.938	2,278	17.63%	637	24.12%	724	18.14%	3,639	18.61%
Money Code 4	Receiving IV-E Subadoption Ast	0.145	8,200	63.46%	1,387	52.52%	2,320	58.13%	11,907	60.90%
Other	All other Money Codes	0.000	560	4.33%	85	3.22%	319	7.99%	964	4.93%
Unadjusted Plan Factor			0.903		1.028		0.917		0.923	
Member Months			12,921		2,641		3,991		19,553	
Budget Neutral Plan Factor			0.979		1.114		0.994		1.000	

Exhibit 2
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024 Foster Care Capitation

	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) MOMS Payment PMPM ²	(i) = (d) + (e) + (f) + (g) + (h) Total Payments Outside of Rates	(j) = (c) + (i) Total Payments (Capitation Rates + Other Payments)
North Region										
Magnolia	0.997	\$630.00	\$628.01	\$310.00	\$160.00	\$10.00	\$10.00	\$1.00	\$491.00	\$1,119.01
Molina	1.063	\$630.00	\$669.82	\$310.00	\$160.00	\$10.00	\$10.00	\$1.00	\$491.00	\$1,160.82
United	0.977	\$630.00	\$615.32	\$310.00	\$160.00	\$10.00	\$10.00	\$1.00	\$491.00	\$1,106.32
Central Region										
Magnolia	0.981	\$670.00	\$657.26	\$440.00	\$160.00	\$10.00	\$10.00	\$1.00	\$621.00	\$1,278.26
Molina	1.115	\$670.00	\$747.22	\$440.00	\$160.00	\$10.00	\$10.00	\$1.00	\$621.00	\$1,368.22
United	0.987	\$670.00	\$661.02	\$440.00	\$160.00	\$10.00	\$10.00	\$1.00	\$621.00	\$1,282.02
South Region										
Magnolia	0.979	\$560.00	\$548.07	\$250.00	\$160.00	\$10.00	\$10.00	\$1.00	\$431.00	\$979.07
Molina	1.114	\$560.00	\$623.81	\$250.00	\$160.00	\$10.00	\$10.00	\$1.00	\$431.00	\$1,054.81
United	0.994	\$560.00	\$556.38	\$250.00	\$160.00	\$10.00	\$10.00	\$1.00	\$431.00	\$987.38

¹ Capitation rates reflect the removal of the quality withhold.

² Includes associated premium tax.



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

December 4, 2024

Jennifer Wentworth
Deputy Executive Director, Finance
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Report17 State Fiscal Year 2025 MississippiCAN Preliminary Rate Calculation and Certification - Update

Dear Jennifer:

The Mississippi Division of Medicaid (DOM) has retained Milliman to develop actuarially sound capitation rates for state fiscal year (SFY) 2025 for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for Medicaid beneficiaries.

This report updates the preliminary capitation rates for all populations enrolled in MississippiCAN from the prior iteration dated September 6, 2024.¹ Overall, the SFY 2025 capitation rates in this report are 0.4% lower than the previous version (when compositing rates using calendar year (CY) 2022 membership). This report assumes ultimate approval of the preprints submitted to CMS for directed payments and directed fee schedules.

This report updates our preliminary SFY 2025 capitation rates; the following changes were made in this report relative to the prior certification:

- Updated projected SFY 2025 enrollment, using more recent membership data available. The rate changes shown below in Table 1 are composited using CY 2022 enrollment, and therefore, are not impacted by this update.
- Seasonal virus adjustments were updated to incorporate additional runout and feedback provided by the coordinated care organizations (CCOs).
- Fee schedule updates effective October 1, 2024 for home health (HH) services were incorporated, but had a very minor impact.
- Corrected an issue that was discovered in the application of the intended unit cost trends for physician administered drugs (PADs).
- Updated charge trends for outpatient and certain physician services provided by DOM's payment methodology development vendor, Myers and Stauffer. This modeling included the impact of fee schedule updates effective July 1, 2023 and July 1, 2024. The impact of each service category is shown separately below in Table 1.

Table 1 summarizes the overall impact on capitation rates resulting from the changes noted above. The impact in Table 1 is based upon the membership distribution across rate cells in calendar year (CY) 2022. Each of these changes are described in more detail within the capitation report.

¹ "Report12 - SFY 2025 Preliminary MississippiCAN Rate Calculation and Certification - Secured Copy.pdf" dated September 6, 2024.



Table 1 SFY 2025 Capitation Rate Development Summary of SFY 2025 Rate Change Components	
Assumption Change	Change from September 6, 2024 Preliminary Rates
Seasonal Virus Adjustment	1.003
HH Fee Schedule Adjustment	1.000
PAD Unit Cost Trend Fix Impact	0.996
Physician Unit Cost Trend Impact	0.993
Outpatient Unit Cost Trend Impact	1.004
Total SFY 2025 Rate Change	0.996

In addition, all rate change comparisons to SFY 2024 capitation rates were updated to the most recent rate certification for SFY 2024 dated October 22, 2024. This does not have an impact on the SFY 2025 capitation rates, but does result in changes in the impact of changes between SFY 2024 and SFY 2025 as outlined in Section I of the report.

Rates will be retroactively adjusted and recertified for the following items:

- Payments for the Mississippi Hospital Access Program (MHAP) Quality Incentive Payment Program (QIPP).
- Payments for the MHAP fee schedule adjustment (FSA) amounts.
- Payments for the Mississippi Medicaid Access to Physician Services (MAPS) program.
- Payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program.
- Payments for the ambulatory payment classification (APC) opt out program.

This recertification will be done at one time for capitation rates for the entire SFY 2025 period. This recertification is anticipated to happen two quarters following the end of SFY 2025.

There are many considerations taken in the development of SFY 2025 capitation rates to reflect impacts of COVID-19 and the unwinding of the continuous coverage requirement (CCR) in the Families First Coronavirus Act (FFCRA). Explicit adjustments for COVID-19 are made in the rate development for the following:

- **Base Period Data:** The SFY 2025 capitation rates use CY 2022 data as the basis for projections. Under normal circumstances, SFY 2025 capitation rates would be based on CY 2022 and CY 2021 experience for smaller rate cells. However, given the large population and member behavior changes in CY 2021, we do not find this experience to be a credible basis for SFY 2025 projections. Therefore, we use a single year of experience data for all populations as the basis for our SFY 2025 projections.
- **Acuity Adjustments:** MississippiCAN enrollment fluctuated significantly throughout CY 2022 due to the CCR and DOM policies shifting members between MississippiCAN and fee-for-service (FFS). Under the continuous coverage requirement DOM could not disenroll members who would normally lose eligibility during the public health emergency (PHE), as declared by the Department of Health and Human Services (HHS). However, beginning in June 2021, and continuing through late CY 2022, DOM transitioned individuals for whom Medicaid eligibility would have lapsed absent the CCR from coordinated care organizations (CCOs) into FFS Medicaid.

Per the Consolidated Appropriations Act, 2023 (CAA), the continuous coverage requirement, which was previously tied to the federal PHE ended on March 31, 2023. Additional guidance from the Centers for Medicare and Medicaid Services (CMS) indicated that states had 14 months after this date to complete redeterminations for affected enrollees. Within the options outlined by CMS, DOM began eligibility redeterminations starting in April 2023 and began disenrolling Mississippi Medicaid recipients who were no longer eligible in July 2023 and throughout the following year. We have been monitoring membership and population acuity changes as a result of the end of the continuous coverage requirements and have applied an acuity adjustment in preliminary SFY 2025 capitation rates for certain populations based on the most recent data available as of March 2024.



Jennifer Wentworth
Mississippi Division of Medicaid
December 4, 2024
Page 3 of 3

- **COVID-19 / Influenza / RSV Adjustment:** We developed an adjustment for the estimated difference in costs included in the CY 2022 base period data and projected SFY 2025 costs for testing, vaccination, and treatment for influenza, respiratory syncytial virus (RSV), and COVID-19. These population specific adjustments reflect an expected decrease in COVID-19, influenza, and RSV costs from CY 2022 to SFY 2025.



Jennifer, please call us at 262 784 2250 if you have questions. We look forward to discussing this report with you and the CCOs.

Sincerely,

A handwritten signature in black ink, appearing to read "Jill Bruckert".

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/mb

Attachments

A handwritten signature in black ink, appearing to read "Katarina Lorenz".

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

MILLIMAN REPORT

State of Mississippi Division of Medicaid

State Fiscal Year 2025 MississippiCAN Preliminary Rate Calculation and Certification

December 4, 2024

[Jill A. Bruckert](#), FSA, MAAA
Principal and Consulting Actuary

[Katarina N. Lorenz](#), FSA, MAAA
Consulting Actuary



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com



Table of Contents

I. SUMMARY AND DISCUSSION OF RESULTS..... 1

II. MISSISSIPPICAN BACKGROUND..... 9

III. BASE DATA DEVELOPMENT..... 12

IV. PROJECTED SFY 2025 CAPITATION RATES 17

EXHIBITS (Provided in Excel format only)

Capitation Rate Development

EXHIBIT 1	Base Data Exhibits – CY 2022 Encounter Data
EXHIBIT 2	Final Base Data and Projection Assumptions
EXHIBIT 3	Statewide Non-Service Expense Allowance Development
EXHIBIT 4	Final SFY 2025 Capitation Rates

Capitation Rate Support

EXHIBIT 5	SFY 2024 to SFY 2025 Rate Change
EXHIBIT 6	Service Category to Milliman HCGs Grouper Category Mapping
EXHIBIT 7A	Historical PMPM Trend Summary – All Populations
EXHIBIT 7B	Historical PMPM Trend Summary – SSI+ Population
EXHIBIT 7C	Historical PMPM Trend Summary – Adults Population
EXHIBIT 7D	Historical PMPM Trend Summary – Children Population
EXHIBIT 7E	Historical PMPM Trend Summary – Deliveries
EXHIBIT 8	Enhanced Match Services
EXHIBIT 9A	CY 2022 Databooks – Summary of Total Costs by Rate Cell
EXHIBIT 9B	CY 2022 Databooks – Summary of Allowed PMPM by Rate Cell
EXHIBIT 9C	CY 2022 Databooks – Summary of Total Costs by Rate Cell
EXHIBIT 10	Summary of Population, Program, and Reimbursement Changes
EXHIBIT 11A	Projected SFY 2024 and SFY 2025 Member Months
EXHIBIT 11B	Components of SFY 2024 Capitation Rates
EXHIBIT 11C	Components of SFY 2025 Capitation Rates
EXHIBIT 12	Unit Cost Trends by Category of Service

Expenditure Projection

EXHIBIT 13	SFY 2025 MississippiCAN Expenditure Estimate

Risk Corridor Calculations

EXHIBIT 14A	Illustrative Settlement Calculation
EXHIBIT 14B	Illustrative MLR Development
EXHIBIT 14C	SFY 2025 Hight Cost Pharmacy Risk Corridor Development
EXHIBIT 14D	SFY 2025 Hight Cost Pharmacy Risk Corridor Development – Gene Therapy Supplemental Support
EXHIBIT 15A	Procedure Codes for Non-Psychiatric Physician Visits
EXHIBIT 15B	Procedure Codes for Psychiatric Physician Visits

Table of Contents *(continued)*

APPENDICES

Supporting Documentation

APPENDIX A	SFY 2025 Rate Cell Definitions
APPENDIX B	Data Sources and Processing
APPENDIX C	CMS Managed Care Rate Setting Guide Response
APPENDIX D	Actuarial Certification of SFY 2025 MississippiCAN Capitation Rates
APPENDIX E	Data Reliance Letter

I. SUMMARY AND DISCUSSION OF RESULTS

The Mississippi Division of Medicaid (DOM) retained Milliman to calculate, document, and certify to capitation rates for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for targeted Medicaid beneficiaries, effective for state fiscal year (SFY) 2025. This report provides preliminary SFY 2025 capitation rates and documents their development. This report is structured as follows:

- Section I includes a high-level overview of the change in capitation rates relative to the July 1, 2023 to June 30, 2024 (SFY 2024) capitation rates.
- Section II provides a short background of the MississippiCAN program.
- Section III documents the development of the base data.
- Section IV documents the rate setting process for SFY 2025 capitation rates.
- Appendices A and B contain additional details on the SFY 2025 rate cell definitions and base period data sources and processing.
- Appendix C provides responses to the CMS managed care rate setting guide for all rate cells.
- Appendix D contains an Actuarial Certification for all MississippiCAN rate cells.
- Appendix E documents our reliance on DOM for data and other assumptions in the development of the capitation rates.

SFY 2025 CAPITATION RATES

Table 1 includes per member per month (PMPM) preliminary capitation rates effective for SFY 2025 that will be paid to the Coordinated Care Organizations (CCOs) on a monthly basis (excluding all directed payments and any payments earned through the new value-based payment (VBP) incentive program) to provide medical and certain pharmacy services to their enrolled beneficiaries. Each CCO will be paid based on the distribution of members enrolled in each rate cell. In addition, CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions: North, Central, or South, as shown in Appendix A.

Table 1 Mississippi Division of Medicaid MississippiCAN Capitation Rates Per Member Per Month (PMPM) ¹ Effective SFY 2025			
Rate Cell	North	Central	South
Non-Newborn SSI / Disabled	\$756.04	\$896.04	\$943.32
Breast and Cervical Cancer	\$2,763.68	\$3,275.43	\$3,448.27
MA Adult	\$362.51	\$374.04	\$357.31
Pregnant Women	\$621.91	\$641.70	\$613.01
SSI / Disabled Newborn	\$6,799.70	\$7,186.55	\$6,062.19
Non-SSI Newborns 0 to 2 Months	\$2,372.77	\$2,507.77	\$2,115.42
Non-SSI Newborns 3 to 12 Months	\$313.50	\$331.34	\$279.50
Foster Care	\$634.72	\$670.83	\$565.87
MYPAC	\$3,440.38	\$3,636.12	\$3,067.23
MA Children	\$209.71	\$221.65	\$186.97
Quasi-CHIP	\$205.82	\$217.53	\$183.50

¹ Capitation rates in Table 1 exclude MHAP, MAPS, TREAT, and are prior to the application of the quality withhold or VBP.

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

In addition, there are multiple directed payments that are paid outside of the monthly capitation rates and excluded from Table 1. The estimated cost for each directed payment is included as a PMPM amount in the preliminary SFY 2025 capitation rates. These PMPM amounts will be retrospectively adjusted on a CCO-specific basis to reflect final payments made for each program.

- The Mississippi Hospital Access Program (MHAP) hospital fee schedule adjustment (FSA) payments are paid outside of the capitation rates on a monthly basis. This amount varies by rate cell on a PMPM basis based on projected utilization of inpatient and outpatient services and actual membership. The MHAP FSA payments are projected to be \$719.7 million in SFY 2025. Please see Section IV of this report for additional details on the MHAP FSA.
- Payments for the MHAP quality incentive payment program (QIPP) are paid outside of the capitation rates on a quarterly basis. The MHAP QIPP payments are projected to be \$820.7 million in SFY 2025. Please see Section IV of this report for additional details on the MHAP QIPP.
- The Mississippi Medicaid Access to Physician Services (MAPS) program in MississippiCAN enhances payments to physicians who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital. The MAPS payments are estimated to be \$29.5 million in SFY 2025. Please see Section IV of this report for additional details on the MAPS program.
- The Payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program in MississippiCAN for SFY 2025 enhances payments to eligible emergency ambulance providers. The TREAT payments are estimated to be \$25.3 million in SFY 2025. Please see Section IV of this report for additional details on the TREAT program.

In addition, we expect that DOM will be filing a preprint with CMS for payments made to providers that opt out of the ambulatory payment classification (APC) payment model for outpatient services. The amount and structure of those payments are still under development at this time, but we will update the rate certification with the appropriate information once available.

In addition, the capitation rates will be adjusted on a CCO-specific basis for the following rate adjustments:

- Quality Withhold: As in SFY 2024 rates, DOM will apply a quality withhold to MississippiCAN payments in SFY 2025 based on metrics reported by the CCOs. The PMPM capitation rates in Table 1 are prior to the application of this quality withhold. Please see Section IV for more information on the quality withhold for SFY 2025.
- Value-Based Payment Program (VBP): Starting in SFY 2025, DOM is implementing a value-based payment program where CCOs can earn up to a 0.5% incentive payment. Please see Section IV for more information on this program.
- Risk Adjustment: The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be risk adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO and will be budget-neutral to DOM. The CDPS + Rx demographic and disease category weights will be calculated using Mississippi FFS and encounter data for the populations enrolled and services provided during SFY 2025.

The capitation rates for the Foster Care rate cell will be risk adjusted using a custom risk adjustment model developed for this population. This custom model uses a member's eligibility for either state or federal financial assistance to assign a risk score. The risk adjustment for the Foster Care rate cell will be applied on a concurrent basis.

Please see Section IV for more information on the application of risk adjustment to the applicable rate cells.

- High-Cost Pharmacy Risk Corridor: Similar to SFY 2024, a high-cost pharmacy risk corridor will be applied to recognize the uncertainty in determining rate setting assumptions for the impact of current and anticipated high-cost medications.

Please see Section IV for more information on how the High-Cost Pharmacy Risk Corridor settlement will be calculated.

Our Actuarial Certification of the SFY 2025 MississippiCAN capitation rates is included as Appendix D. It should be emphasized that capitation rates are a projection of future costs based on a set of starting data and assumptions. Actual costs will be dependent on each contracted CCO's situation, experience, and enrolled population.

SELECTION OF BASE DATA

Under normal circumstances, data from calendar year (CY) 2022 would be used as the primary base data for SFY 2025 capitation rates with data from CY 2021 used to supplement CY 2022 data for rate cells with fewer than 150,000 member months. Due to the emergence of COVID-19 in early 2020, and related enrollment changes occurring throughout CY 2021, the CY 2021 encounter data shows different utilization and cost patterns when compared with more recent time periods. We expect claims and member behavior in SFY 2025 to be more similar to adjusted CY 2022, rather than earlier time periods. Therefore, we did not incorporate CY 2021 data for the lower membership rate cells and CY 2022 data was used as our sole base data source for all rate cells in development of the SFY 2025 capitation rates, regardless of membership.

While CY 2022 encounter data is the primary data source for SFY 2025 capitation rates, emerging data from CY 2023 is also used in the development of several rate adjustments, such as seasonal virus impacts, population acuity adjustments, and trend assumptions.

In October 2022 a new MMIS vendor began processing all data for the Mississippi Medicaid and CHIP programs. In order to have consistency in the data for all months, the CY 2022 encounter data that serves as the basis for SFY 2025 capitation rates is supplied by DOM's new MMIS vendor, including restated months of data prior to October 2022. Milliman has worked closely with DOM and their MMIS vendor to refine our data process and validate the CY 2022 data.

CATEGORIES OF SERVICE

For SFY 2025 capitation rate development, the CY 2022 base data was categorized using a more granular category of service methodology in which inpatient, outpatient, and physician services are further subset into more specific sub-categories of service. We believe that these additional breakouts will allow for greater transparency when developing the SFY 2025 capitation rates. Table 2 below shows the comparison between the categories of service for the SFY 2024 and the SFY 2025 capitation rates.

The SFY 2024 capitation rate exhibits displayed costs for the MA Adult and Pregnant Women rate cells separately for delivery and non-delivery related costs. With the addition of maternity and delivery category of service breakouts for inpatient and physician services, we have adjusted our exhibits to show the MA Adult and Pregnant Women costs without this additional breakout as any delivery-specific adjustments will now be reflected in those categories of service.

Starting in July 2024, DOM entered into an arrangement with their Pharmacy Benefits Administrator (PBA) in which certain pharmacy claims are paid through the PBA. As such, we identified and removed the associated pharmacy claims from the CY 2022 base data for the purpose of developing SFY 2025 capitation rates. Please see Appendix B for a further description of the associated pharmacy services.

Table 2	
Mississippi Division of Medicaid	
SFY 2024 & SFY 2025 Categories of Service	
SFY 2024 Category	SFY 2025 Category
Inpatient Hospital	Inpatient Hospital Services - Maternity / Deliveries
	Inpatient Hospital Services - Psychiatric / Substance Abuse
	Inpatient Hospital Services - All Other
Outpatient Hospital	Outpatient Hospital Services - Emergency Room
	Outpatient Hospital Services - Pharmacy
	Outpatient Hospital Services - All Other
Physician	Physician Services - Maternity / Deliveries
	Physician Services - Psychiatric / Substance Abuse
	Physician Services - All Other
Pharmacy	N/A
Dental	Dental - All Services
Other	All Other Services

PHE UNWIND AND COVID-19 CONSIDERATIONS IN SFY 2025 RATE DEVELOPMENT

Several adjustments were made in the SFY 2025 capitation rates to reflect changes as a result of COVID-19 and the unwinding impacts of the associated CCR, including:

- Acuity adjustments: Enrollment information through March 2024 was utilized as part of a risk score analysis to estimate changes in population acuity between the base period (CY 2022) and SFY 2025 for certain populations. Please see Section IV (Step 2) for more information on this adjustment.
- Seasonal virus adjustments: Adjustments are made in the rate development to account for estimated changes in seasonal virus loads (including COVID-19, RSV, and influenza) between CY 2022 and SFY 2025. Please see Section IV (Step 1) for more information on this adjustment.

CAPITATION RATE CHANGE SUMMARY

Table 3 summarizes the change in capitation rates from SFY 2024² to SFY 2025. This comparison is shown excluding the impact of directed payments, the quality withhold, and any payments earned through the VBP program, and is composited across all rate cells using CY 2022 membership. Table 3 also summarizes changes excluding the impact of program changes (noted by footnote 2 in Table 3), which increase or decrease total program costs concurrently with revenue for the CCOs and excluding the impact of COVID-19 adjustments (noted by footnote 3 in Table 3).

² “Report 14 – SFY 2024 Preliminary MississippiCAN Rate Calculation and Certification.pdf” dated October 22, 2024.

Table 3
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
Summary of SFY 2025 Rate Change Components¹

	Aggregated with CY 2022 Membership
SFY 2024 Capitation Rate - Including Pharmacy Services	\$517.87
Remove Non-Physician Administered Pharmacy Services	0.760
SFY 2024 Capitation Rate - Excluding Pharmacy Services	\$393.39
Shift CGT Estimates from Pharmacy to Physician	1.040
SFY 2024 Capitation Rate - Excluding Pharmacy Services with CGT Shift	\$409.13
Base Period Data Update	0.982
Restate CY 2022 to SFY 2024 Trends	0.999
Restate SFY 2024 Cell / Gene Therapy Coverage ²	0.982
Remove SFY 2024 Population Acuity Adjustment ³	0.970
Other Restated SFY 2024 Assumptions	0.998
Updates Relative to SFY 2024 Assumptions	0.933
SFY 2024 to SFY 2025 Utilization Trends	1.027
SFY 2024 to SFY 2025 Unit Cost Trends	1.004
SFY 2025 Population Acuity Adjustment ³	1.006
SFY 2025 Seasonal Virus Adjustment ³	1.010
SFY 2025 Hemophilia Population Carve-In ²	1.001
SFY 2025 Postpartum Coverage Extension ²	0.997
SFY 2024 to SFY 2025 Restorative Dental Reimbursement Change ²	1.001
Update SFY 2025 Admin	0.997
Remove SFY 2025 PBA Pharmacy Admin ²	0.993
Preliminary SFY 2025 Rate Change	0.965
SFY 2025 Rate Change - Excluding Program Changes²	0.992
SFY 2025 Rate Change - Excluding COVID-19 Adjustments³	0.980

¹ Rate changes exclude MHAP, MAPS, TREAT, the quality withhold, and the VBP.

² Program change that increases or decreases total program costs outside of the control of the CCOs.

³ COVID-19 adjustments include the population acuity adjustments and seasonal virus adjustment.

The values quoted below are all based on the program wide impact using CY 2022 membership to composite the rate cells. **The rate change components are based on SFY 2024 rates excluding pharmacy services and adjusted to show cell and gene therapy (CGT) costs as part of the physician service category (rather than pharmacy as originally projected in SFY 2024 rate development).**

- As discussed previously, SFY 2024 capitation rates were developed to project total medical and pharmacy costs, including those that will be covered by DOM's PBA for SFY 2025. For comparison purposes, we include the SFY 2024 rates with and without the PBA-eligible pharmacy services. The impact of removing estimated pharmacy category of service from the SFY 2024 rates decreases overall costs by about 24.0%.

The estimated SFY 2024 pharmacy category of service costs were developed using CY 2021 base period experience and trended to SFY 2024, including adding cost estimates for new CGT treatments to the pharmacy category of service. Based on our current understanding of how these claims will be paid in SFY 2025, these services will be paid in physician category of services. Therefore, we restated the SFY 2024 rates with CGT costs included in the physician service category for a more direct comparison to the SFY 2025 capitation rates. This change increases the SFY 2024 rates without PBA-eligible pharmacy services by 4.0%. The net impact of these two adjustments for the removal of PBA eligible pharmacy services (excluding CGTs) is a decrease of about 21.0%.

- The development of SFY 2025 capitation rates is a ground-up approach where the base data and each assumption is evaluated separate from the SFY 2024 capitation rates. However, for the purposes of explaining the rate change from SFY 2024 to SFY 2025, we isolate the impact of rebasing the data and assumptions that we updated relative to the data or assumptions used to develop the SFY 2024 values. Overall, this rebasing decreased the projection of SFY 2024 costs by 6.7% from costs projected in the SFY 2024 capitation rates. This change contains the following sub-components:

- As stated above, SFY 2024 rates used CY 2021 data as the basis for capitation rate development. For SFY 2025, we rely on CY 2022 encounter data as the basis for rate development. The impact of changing our base data (including the associated impact of restating IBNR, TPL, missing data, and non-covered services) decreased projected costs by 1.8%.
 - Milliman restated CY 2022 to SFY 2024 trend assumptions. This included the recalculation of annual trend assumptions based on reviewing restated data, and the recalculation of fee schedule impacts based on base data for CY 2022 (rather than CY 2021); all topics are discussed in Section IV. Overall, this trend restatement resulted in a 0.1% decrease to capitation rates.
 - Several high-cost gene therapies are currently available or will become available during SFY 2025. Restating anticipated medical and non-PBA eligible pharmacy costs associated with these treatments, as well as the carve-in of Zolgensma from FFS, decreased rates by 1.8%. To date, the actual utilization of these high-cost gene therapies has been very low and the SFY 2025 estimates reflect this reduction in anticipated utilization for SFY 2025. Ultimate utilization levels are likely to be greater than or less than the estimates included in the SFY 2025 capitation rates. Therefore, a high-cost drug risk corridor has been implemented for SFY 2025 to mitigate the uncertainty in the estimation of utilization of these therapies and other high-cost pharmaceuticals.
 - The population acuity adjustments previously applied to reflect the impact of eligibility redeterminations from CY 2021 to SFY 2024 were removed to put the capitation rates on a 1.0 basis. A separate adjustment is applied to reflect population acuity changes between CY 2022 and SFY 2025. This reduces capitation rates by 3.0% overall.
 - Various other assumptions were restated, most notably the application of the preventative and diagnostic dental reimbursement increases occurring on July 1, 2021 and July 1, 2022. Now that we are utilizing CY 2022 base period data (instead of CY 2021), we no longer need to apply an adjustment for the July 1, 2021 change, and the July 1, 2022 adjustment is dampened to only apply to half the year. Relying on actual data vs. our prior assumptions reduced overall rates by approximately 0.2% across all rate cells.
- Composite utilization trend assumptions from SFY 2024 to SFY 2025 increased projected costs 2.7%. Please see Section IV for more information on trend assumptions included in SFY 2025 capitation rates.
 - Composite unit cost trend assumptions from SFY 2024 to SFY 2025 increased projected costs 0.4%. This change includes physician administered drug (PAD) trends and any fee schedule changes not modeled by DOM's payment methodology development (PMD) vendor. Please see Section IV for more information on the fee schedule changes currently modeled.
 - Throughout CY 2022, DOM transitioned individuals for whom Medicaid eligibility would have lapsed absent the CCR from the CCOs into FFS Medicaid. In addition, the continuous coverage requirement ended on March 31, 2023 and DOM started redeterminations in April 2023, with disenrollments of ineligible recipients starting in July 2023. During the official redetermination for individuals, there were multiple beneficiaries that had been moved from the CCOs into FFS initially that maintained Medicaid eligibility and subsequently were moved back into MississippiCAN, resulting in steady CCO enrollment increases throughout CY 2023 and into CY 2024. Given the changes in historical enrollment, Milliman developed a population acuity adjustment based on population risk scores to estimate the relative acuity of the base period to the projected SFY 2025 population. Across all rate cells, this population acuity adjustment increased capitation rates by 0.6%. Please see Section IV for a further description of the population acuity adjustment.
 - SFY 2024 capitation rates included an adjustment reflecting estimated changes in testing, treatment, and vaccination costs for COVID-19, influenza, and RSV. We performed a similar analysis for SFY 2025 capitation rates reviewing actual experience during CY 2023 to inform our new baseline costs for COVID-19, influenza, and RSV. The change to use these new adjustments increased the overall rate by 1.0%, as shown in Table 3.

- Starting January 1, 2024, eligible members with Hemophilia or Von Willebrand disease transitioned from FFS into MississippiCAN. Historically this population was carved-out of MississippiCAN due to the relatively high medical costs associated with these conditions, as well as the infrequent and non-uniform distribution of members across the CCOs. Milliman updated the analysis supporting this adjustment to use CY 2022 data and new projections of CGT usage for these members. Across all rate cells, this restatement increased capitation rates by approximately 0.1%.
- Per SB 2212, postpartum coverage extended from 60 days to 12 months for members who gave birth on or after April 1, 2023, such that the first enrollment month under the coverage extension was July 2023. An adjustment to account for the estimated cost differential between the prior coverage and the additional 10 months of postpartum coverage was included in the SFY 2024 capitation rates. Milliman updated this analysis for SFY 2025 and this resulted in an overall decrease in SFY 2025 capitation rates by 0.3% on a PMPM basis across all rate cells due to a higher percentage of membership in SFY 2025 in these newly covered postpartum months compared to SFY 2024 when this additional coverage was ramping up throughout the year.
- Per HB657, SFY 2025 MississippiCAN restorative dental services will be reimbursed at a rate 5.0% greater than in SFY 2024. Across all rate cells, this amounts to a slight increase to capitation rates.
- Changes to administrative expenses on a PMPM basis result in a decrease to the rate of approximately 0.3%, based upon CCO administrative expenses for CY 2022 trended to SFY 2025. A positive rate change in Table 3 indicates that the administrative costs increased as a percentage of the overall rate (i.e., administrative costs trended at a higher percentage than the overall rate). The overall PMPM for administrative expenses decreased 3.3% from the SFY 2024 allowance, comprised of a fixed administrative expense decrease from \$11.17 PMPM in the SFY 2024 rate to \$10.81 PMPM in the SFY 2025 rate, and a variable administrative expense decrease from \$26.07 in the SFY 2024 rate to \$25.21 in the SFY 2025 rate.
- As mentioned above, certain pharmacy expenses are expected to be paid by DOM's PBA rather than the CCOs. As these services will not be administered by the CCOs, Milliman reduced the SFY 2025 administrative cost levels to account for this change, based on splits of PBM related costs provided by DOM and the CCOs, which show that approximately 15% of prior PBM costs are related to duties that will be retained by the CCOs in SFY 2025. The change decreased overall capitation rates by 0.7% or an additional 7.5% (\$2.72) on a PMPM basis when aggregated using CY 2022 member months.

The rate change included in Table 3 does not include the impact of changes in directed payments from SFY 2024 to SFY 2025. The following changes in directed payments are expected for SFY 2025:

- The total MHAP payment across all MississippiCAN members increases from \$1.522 billion in SFY 2024 to \$1.540 billion in SFY 2025.
- The total MAPS payment decreases from \$39.4 million in SFY 2024 to \$29.5 million in SFY 2025.
- The TREAT payment amount increases from \$20.6 million in SFY 2024 to \$25.3 million in SFY 2025.

Please see Section IV of this report for more information on changes to the directed payments for SFY 2025.

CAPITATION RATE CHANGE BY RATE CELL

Rate changes vary by capitation rate cell as shown in Table 4, which compares SFY 2025 capitation rates to SFY 2024 capitation rates, on a similar basis as Table 3. The level of detail for the rate change included in Table 3 above is shown by rate cell in Exhibit 5.

Table 4
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
Summary of Statewide SFY 2025 Rate Change¹

Rate Cell	Overall Rate Change	Excluding Program Changes²	Excluding COVID-19 Adjustments³
Non-Newborn SSI / Disabled	-7.0%	-0.1%	-6.5%
Breast and Cervical Cancer	11.8%	12.4%	12.4%
MA Adult	-11.2%	-10.5%	-4.5%
Pregnant Women	-12.4%	-5.0%	-15.5%
SSI / Disabled Newborn	-13.6%	-13.1%	-15.4%
Non-SSI Newborns 0 to 2 Months	2.0%	2.5%	0.0%
Non-SSI Newborns 3 to 12 Months	10.4%	7.6%	9.9%
Foster Care	-0.7%	-0.1%	-4.0%
MYPAC	-10.1%	-9.7%	-13.6%
MA Children	2.2%	1.6%	5.7%
Quasi-CHIP	0.6%	1.3%	4.5%
Total - Aggregated with CY 2022 MMs	-3.5%	-0.8%	-2.0%

¹ Rate changes exclude MHAP, MAPS, TREAT, and are prior to the application of the quality withhold or VBP.

² Population acuity adjustment and seasonal virus adjustment changes have been excluded from this calculation.

³ COVID-19 adjustments include the acuity adjustments and seasonal virus impact.

DATA RELIANCE AND IMPORTANT CAVEATS

Milliman has developed certain models to estimate the values included in this report. The intent of the models was to estimate SFY 2025 capitation rates. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOPs).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting for January 2022 to December 2022 with runout through June 2023, historical and projected reimbursement information, fee schedules, and other information from DOM, MississippiCAN CCOs, Gainwell Technologies, Myers and Stauffer, and CMS to calculate the preliminary MississippiCAN capitation rates shown in this report. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2025 base data.

Differences between the capitation rate and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our report is intended for the internal use of DOM to review the preliminary MississippiCAN capitation rates for SFY 2025. The report and the models used to develop the values in this report may not be appropriate for other purposes. We anticipate the report will be shared with contracted CCOs and other interested parties. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of this report are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

Jill Bruckert and Katarina Lorenz are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

II. MISSISSIPPICAN BACKGROUND

MississippiCAN, a Coordinated Care Program for Mississippi Medicaid beneficiaries, was designed to address the following goals:

- Improve access to needed medical services – This goal is accomplished by connecting the targeted beneficiaries with a medical home, increasing access to providers, and improving beneficiaries' use of primary and preventive care services.
- Improve quality of care – This goal is accomplished by providing systems and supportive services, including disease state management and other programs that will allow beneficiaries to take increased responsibility for their health care.
- Improve efficiencies and cost effectiveness – This goal is accomplished by contracting with CCOs on a capitated basis to provide services through an efficient, cost-effective system of care.

TARGET POPULATION

MississippiCAN was implemented in all 82 counties in the State of Mississippi for all eligible beneficiaries beginning January 1, 2011 for targeted, high-cost Medicaid beneficiaries defined by these categories of eligibility (COEs):

- COE001 – SSI via SDX
- COE019 – Disabled children at home
- COE025 – Working Disabled
- COE026 – DHS CWS Foster Care
- COE027 – Breast-Cervical

On December 1, 2012 the eligible population of MississippiCAN was expanded to include all Foster Care children, Non-SSI Newborns 0 to 12 months, MA Adults, and Pregnant Women, as defined by the following categories of eligibility and age requirements:

- COE003 – DHS-IV-E-Medicaid
 - COE075 – Parents / Caretakers of minor children
 - COE088 – Pregnant Women, 185% FPL – Ages 8+
 - Non-SSI Newborns – Ages 0 to 12 months
- COE003 – DHS IV-E Medicaid
 - COE026 – DHS Foster Care
 - COE071 – Newborn age 0 to 1 with income at or below 185% FPL
 - COE088 – Pregnant Women, 185% FPL

Effective December 1, 2012, all MississippiCAN populations were mandatory enrolled except SSI children, disabled children at home, Foster Care children, and members of the Mississippi Band of Choctaw Indians.

Between December 2014 and July 2015, the eligible population of MississippiCAN was expanded again to include children as defined by the following categories of eligibility, age, and income requirements:

- COE072 – Children age 1 to 5 with income at or below 133% FPL
- COE073 – Children age 6 to 19 with income at or below 100% FPL
- COE074 – Children age 6 to 19 with income between 100% and 133% FPL who would have qualified for CHIP under pre-Affordable Care Act rules

Effective January 1, 2014, COE074 children previously eligible for CHIP with income eligibility between 100% and 133% FPL became Medicaid eligible rather than CHIP eligible due to income eligibility outlined in the Affordable Care Act. These children were moved into MississippiCAN effective December 1, 2014 and referred to as "Quasi-CHIP" children.

The children covered under the above COEs previously covered in the Medicaid program are called “MA Children.” DOM phased in enrollment from FFS into MississippiCAN by July 2015, with most children transitioned between May 2015 and July 2015.

Effective December 1, 2015, in conjunction with the movement of inpatient services into MississippiCAN, enrollment procedures were changed to enroll newborns in MississippiCAN on the day of their birth. Previously, newborns were not enrolled until, on average, their second month of life due to a delay in assigning a Medicaid identification number and the process to enroll them in a CCO.

Starting October 1, 2018, Severely Emotionally Disturbed (SED) Children were covered by MississippiCAN. These children are identified with the lock-in code of “SED,” which is effective for one year after determination. To receive Mississippi Youth Program Around the Clock (MYPAC) services, a child must have an SED lock-in code. This population was referred to as “SED Children” prior to SFY 2021. Starting in SFY 2021, this population is referred to as the “MYPAC” rate cell.

Effective July 1, 2023, postpartum coverage extends from 60 days to 12 months. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. After July 1, 2023 this redetermination will not occur until the end of the 12 months of postpartum coverage.

Throughout this report, we frequently apply the same adjustments to rate cells with similar demographics. The rate cell groups summarized in Table 5 identify the rate cells contained within each grouping referenced throughout this report.

Table 5 Mississippi Division of Medicaid MississippiCAN Capitation Rates Rate Cell Groupings	
Rate Cells	Rate Cell Grouping
Non-Newborn SSI / Disabled	SSI
Breast and Cervical Cancer	SSI
MA Adult	Adults
Pregnant Women	Adults
SSI / Disabled Newborn	Children
Non-SSI Newborns 0 to 2 Months	Children
Non-SSI Newborns 3 to 12 Months	Children
Foster Care	Children
MYPAC	Children
MA Children	Children
Quasi-CHIP	Children

COVERED SERVICES

When MississippiCAN was first established in January 2011, three key services were initially excluded from the program. Over time, each has been moved from being covered by FFS to MississippiCAN as follows:

- Behavioral health services – Rolled into MississippiCAN effective December 1, 2012
- Non-emergent transportation services – Rolled into MississippiCAN effective July 1, 2014
- Inpatient services – Rolled into MississippiCAN effective December 1, 2015

Effective October 1, 2018, MississippiCAN included costs for psychiatric residential treatment facility (PRTF) stays. Historically, these costs were carved out of MississippiCAN, although members were not dis-enrolled from MississippiCAN.

Starting July 1, 2019, services provided at institutions for mental disease (IMD) are covered as part of the MississippiCAN program.

Effective January 1, 2024, members diagnosed with Hemophilia or Von Willebrand disease are included in the MississippiCAN program. These members were previously carved out to the FFS program.

Effective July 1, 2023, Zolgensma will be included as a covered treatment for members with spinal muscular atrophy. Previously this drug was carved out and CCOs were reimbursed for any incurred costs.

Effective July 1, 2024, pharmacy services will no longer be paid by the CCOs and will instead be paid through DOM's PBA.

CCOs historically have not provided services not covered under MississippiCAN "in lieu of" covered services.

ENROLLMENT PERIOD

All beneficiaries have the ability to choose the CCO in which to enroll. Enrolled beneficiaries will have an open enrollment period during the 90 days following their initial enrollment in a CCO, during which they can enroll in a different CCO "without cause" and an open enrollment period from October to December of each year. During this time period, beneficiaries may choose to change their CCO.

Various "for cause" reasons for disenrollment at other times incorporate federal requirements, such as: providers that do not (for religious or moral reasons) offer needed services; not all related services are available in the plan's network; or the plan lacks providers experienced in dealing with the enrollee's health care needs.

Eligibility criteria for MississippiCAN are the same as the eligibility criteria for Mississippi Medicaid. To receive enhanced federal funding during the COVID-19 PHE, DOM paused disenrollment of members from the Mississippi Medicaid program who normally would no longer be eligible for Medicaid services. Where readily identifiable (e.g., individuals aging out of the program eligibility requirements or pregnant women reaching 60 days postpartum), individuals who would have lost normal Medicaid eligibility in the MississippiCAN program were transitioned to FFS for the remainder of the CCR. Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from CCOs into FFS Medicaid. Following the end of the CCR, these members Medicaid eligibility will be redetermined; members may be re-enrolled in managed care or may be disenrolled from Medicaid entirely. These redeterminations began in SFY 2023 and continue through SFY 2024.

The CCOs do not have the ability to directly market to targeted beneficiaries. DOM provides information about choice of CCOs and enrolls the beneficiaries into their chosen CCO. The Medicaid Fiscal Agent provides some specific services of an enrollment broker to accomplish these tasks.

III. BASE DATA DEVELOPMENT

This section of the report describes the development of the base data used for the preliminary SFY 2025 MississippiCAN capitation rates.

METHODOLOGY OVERVIEW

The base data for the SFY 2025 capitation rates was developed by summarizing eligibility, encounter claims, and financial claim data for CY 2022 MississippiCAN enrollees. Exhibit 9 contains databooks summarizing encounter data for CY 2022 for all rate cells. Please note, the total and PMPM costs shown in the 2022 databook include missing data. The total and PMPM costs in the 2022 databooks tie to the starting totals on Exhibit 1 if missing data is removed from the databook.

The remainder of this section is a high-level description of the processing for eligibility, encounter claim data, and financial claim data for CY 2022 MississippiCAN enrollees. In addition, any adjustments made to the raw data are discussed in this section and shown in Exhibit 1. Please refer to Appendices A and B of this report for additional information on the validation and processing of these data sources.

Membership

Member months by rate cell and region in CY 2022 were summarized from the detailed Medicaid eligibility data, excluding populations not covered by MississippiCAN and individuals that opted out of the program (where applicable). These enrollment counts were validated against enrollment information provided by the CCOs. In total, the enrollment in the eligibility files is 0.4% lower than reported by the CCOs.

Adjustments are applied to the starting enrollment records to reflect changes resulting from several adjustments described below, including:

- IMD removal: Per CMS guidelines, eligibility and claims are removed for members with IMD stays of over 15 days in a given month.
- MYPAC membership reallocation: Some members were not correctly assigned a 'SED' lock-in code during CY 2022. Although this does not impact overall enrollment, membership is shifted from other children rate cells to the MYPAC rate cell.
- SSI Children Formerly Moved to FFS Due to PRTF Stay: Membership and claims information for these members was pulled from FFS data and added to the CY 2022 MississippiCAN eligibility and encounter claims data.

Row (a) of Exhibit 1 includes the adjusted CY 2022 member months included in base data development.

Claim Data

DOM and Milliman go through extensive data validation processes to review CCO submitted encounter data. DOM regularly monitors encounter claims compared to cash disbursement journals (CDJs) to ensure the timeliness and completeness of submitted encounters and works with Myers and Stauffer to identify the correct original or final claim to keep in each claim string. Milliman relied on this claim status identification process to remove duplicates and identify denied claims that are anticipated to be resubmitted and accepted, as described in Appendix B.

As part of rate development, Milliman requests financial reporting data from each CCO. This financial reporting data was reconciled to each CCO's 2022 audited NAIC financial statement. After several rounds of questions to clarify, adjust, and confirm understanding of the reported financial information, Milliman compared the encounter data to the financial reporting data, for paid claims and subcapitated claims. This comparison excludes estimates for incurred but not reported (IBNR) claims and adjusts for any claims that were identified as missing from the processed encounter data. To align the financial templates and encounter data on a comparable basis, we performed this reconciliation exercise using CY 2022 data with run-out through June 2023.

As discussed above, DOM transitioned to a new data vendor during CY 2022. In the process of reviewing the CY 2022 data from the new data vendor, Gainwell, we noted several issues, including duplicate claims. We are still working with DOM and Gainwell to determine a possible resolution for this issue. Therefore, this base data report includes an adjustment to calibrate encounters to CCO reported financial levels at a high-level service category level. This adjustment is discussed in more detail below.

Additionally, starting on July 1, 2024, DOM entered into an arrangement with their PBA in which certain pharmacy claims are paid through the PBA. As such, we identified and removed the associated pharmacy claims from the CY 2022 base data for the purpose of developing SFY 2025 capitation rates. Please see Appendix B for a further description of the associated pharmacy services.

MYPAC Member Identification Adjustment

Beginning in July 2021, the assignment of the “SED” lock-in flag was applied inconsistently for some members. The lock-in flag is the primary means of identifying members in the MYPAC rate cell, and as such, using our current rate cell methodology, as outlined in Appendix A, some members were not assigned to the MYPAC rate cell and instead assigned to other children rate cells. We queried our enrollment records and claims data to identify members who should have been identified via the “SED” lock-in flag, but were not and reassigned them accordingly. We reassigned membership and corresponding claims amounts for 3,819 member months totaling approximately \$9.7 million from other children rate cells to the MYPAC rate cell.

The member months shown in row (a) of Exhibit 1 reflects the reassignment of these member months.

The adjustment to reassign the costs between rate cells is shown in Exhibit 1 in row (d).

Encounter to Financial Adjustment

In the development of the base data the following items are noted:

- As the CY 2022 financial data was reported using the SFY 2024 categories of service definitions, we compared financial to encounter data utilizing the SFY 2024 level of granularity, and the following notes reflect this classification.
- Overall, the paid amounts in the encounters reconcile reasonably well to the paid amounts shown in the CCO financial reporting for the MississippiCAN populations, particularly for inpatient, outpatient, physician, and other services. As Table 6 shows, in total encounter data was 0.32% higher than financial data.
- At a category of service and rate cell level, there was a greater variance between encounter data and financial reporting, particularly for the inpatient and dental categories of service, which may be most impacted by the duplicate claim issues noted above. Therefore, when calculating and applying the financial to encounter data adjustments we applied separate adjustments for inpatient and dental services. All other service categories receive the same adjustment.

Table 6	
Mississippi Division of Medicaid	
SFY 2025 MississippiCAN Capitation Rate Development	
Comparison of Financial and Encounter Data	
Difference of Encounters and Financials (% of Encounters)	
OP / Physician / Other Services	0.69%
IP Services	-2.13%
Dental Services	-2.92%
All Services	-0.32%

MILLIMAN REPORT

Encounter data for all three CCOs is combined to summarize CY 2022 claim experience for MississippiCAN enrollees. The financial reporting expenditures for all CCOs were combined to perform the encounter validation outlined above, as well as to develop the following adjustments to apply to the encounter data:

- Removal of costs that would be paid or recouped through a third party.
- Addition of IBNR expenses not yet included in encounters.
- Addition of claims paid by the CCOs that are not yet reflected in the encounter system.

All experience used to develop the base period data for the SFY 2025 capitation rates is on a net basis and excludes any member cost sharing.

Row (b) of Exhibit 1 includes the CY 2022 total service costs from the encounter data. Row (c) converts the total service costs to a PMPM basis. To reflect the differences between claims in the financial reporting and the encounter data, the financial to encounter data adjustments are applied on row (e) of Exhibit 1. Given duplicate claims and other encounter data issues noted by Gainwell and DOM, this adjustment calibrates overall encounter claims to levels reported in the financial templates.

Missing Data Adjustment

A separate adjustment was made to account for payments made by the CCOs that are not reflected in the detailed encounter data or cannot be reasonably applied to a specific claim (e.g., provider bonuses or settlements). These claim amounts are not included in the detailed encounter data after the processing outlined in Appendix B. Each CCO provided separate financial reporting to support and validate the amounts reported for claims not appearing in encounters. As the CY 2022 financial data was reported using the SFY 2024 categories of service definitions, we developed the adjustments utilizing the financial data at the SFY 2024 level of granularity and applied the resulting adjustment factors to all corresponding breakout categories of service. The detailed financial reporting provided by the CCOs included splits by region and rate cell, which were used to allocate missing data on Exhibit 1.

Overall, the base data is increased 0.5% on a PMPM basis for missing data.

The aggregate adjustment for all missing data described above is shown in Exhibit 1 in row (f).

IBNR Adjustment

The adjustment for IBNR claims as of June 30, 2023 uses the best estimate IBNR claims provided by each of the CCOs in their financial reporting. As the CY 2022 financial data was reported using the SFY 2024 categories of service definitions, we developed the adjustments utilizing the financial data at the SFY 2024 level of granularity and applied the resulting adjustment factors to all corresponding breakout categories of service.

We performed the following high-level reasonability checks to validate these estimates:

- Data, including IBNR estimates, was reported on a quarterly basis by each CCO. We reviewed the reported IBNR by quarter to determine that there was a reasonable pattern throughout the year (i.e., IBNR amounts held for Q1 2022 were significantly lower than Q4 2022).
- IBNR estimates among the CCOs were reviewed to validate that they were approximately the same as a percentage of total claims, where appropriate.
- IBNR estimates by category of service are approximately the same as a percentage of total claims as IBNR adjustments applied to the MississippiCAN data in prior years after accounting for differences in runout period between years.

Overall, the base data increased by 0.7% on a PMPM basis for IBNR claims.

This adjustment is shown in Exhibit 1 in row (g).

Non-Covered Services

As noted above, Milliman is aware of a known data issue related to identifying some non-covered physician services.

Due to this known issue, we developed an estimate for CY 2022 non-covered physician services using percentages from the CY 2021 encounter data.

Additionally, Milliman summarized the costs of home health services exceeding CY 2022 service limits in the encounter data using the definitions provided by DOM, as detailed in Appendix B.

The combined amount for physician and home health services estimated to exceed CY 2022 service limits, which totaled approximately 0.2% of CY 2022 MississippiCAN service costs, were removed from CY 2022 base data at the rate cell level of detail. Service limits do not apply up to age 21, thus, base period costs were not adjusted for these members.

The adjustment to remove estimated non-covered services in CY 2022 is shown in Exhibit 1 in row (h).

Zolgensma Removal

In CY 2022, Zolgensma, a gene therapy used to treat Spinal Muscular Atrophy, was carved-out of managed care and reimbursed separately by DOM on a case-by-case basis. We removed three Zolgensma claims totaling approximately \$6.5 million from the CY 2022 base data as the CCOs were not at-risk for these claims in CY 2022. Across all rate cells, this reduced base data by 0.4%.

The adjustment to remove Zolgensma treatments in CY 2022 is shown in Exhibit 1 in row (i).

Note, starting on July 1, 2023, the Zolgensma carve-out was reversed and CCOs are at-risk for these treatments, subject to the High-Cost Pharmacy Risk Corridor. We include estimates of projected Zolgensma treatments as part of the gene therapy drug coverage adjustment in Exhibit 2, which is detailed in Section IV of this report.

Third-Party Liability (TPL) Recoveries

The CCOs provided Milliman with a summary of recoveries for TPL payments related to claims incurred in CY 2022 and recovered through December 2022. Using CY 2019 through CY 2021 data, Milliman reviewed the portion of total CY 2019 through CY 2021 recoveries recovered after the end of each year. The recovery patterns looked noticeably different in CY 2020 and CY 2021, possibly because of the COVID-19 pandemic. Therefore, we relied on CY 2019 data to estimate total claim recoveries for services incurred in CY 2022, but not yet reflected in the CY 2022 base data. It is assumed that these outstanding TPL recoveries will reduce ultimate CY 2022 paid totals.

We removed the total TPL amounts as a percentage of total paid claims across all rate cells and categories of services from the CY 2022 base data. Across all rate cells, these TPL recoveries amounted to a 0.2% reduction to CY 2022 base data. We do not have information to apply this estimate at either a rate cell or category of service level, and therefore apply a uniform adjustment for the estimate of TPL recoveries.

This adjustment is shown in Exhibit 1 in row (j).

IMD (Institution for Mental Disease) Stays Beyond 15 Days

Per CMS regulations, services rendered at an IMD beyond 15 days in a given month for individuals aged 21 to 64 cannot be covered by Medicaid. CMS requires all claims (not just IMD claims) incurred by members and the enrollment records for those same months be removed from base data for the month with the IMD stay exceeding 15 days. The enrollment shown in row (a) of Exhibit 1 is after the removal of these 93 member months. An additional adjustment was made to remove all claims for these members in the impacted months, resulting in approximately a 0.1% reduction to the CY 2022 encounter data.

This adjustment is shown in Exhibit 1 in row (k).

IMD Unit Cost Adjustment

Some IMD stays for 15 days or fewer for individuals aged 21 to 64 will be covered under MississippiCAN. We adjusted the unit cost for similar claims in the CY 2022 experience to use DOM's fee schedule for these services. These unit cost adjustments resulted in a cost increase of approximately \$700 in total.

This adjustment is shown in Exhibit 1 in row (l).

[SSI Children Formerly Moved to FFS Due to PRTF Stay](#)

From October 2018 through May 2022, DOM moved certain SSI children from COE 001 to COE 005, which is not a MississippiCAN covered population, due to a psychiatric residential treatment facility (PRTF) stay. In SFY 2025, these members will remain in COE 001 during their PRTF stay, and MississippiCAN CCOs will be responsible for expenses incurred during these stays.

We reviewed the encounter data along with a supplemental enrollment extract provided by DOM identifying the members impacted during CY 2022 and found 63 members totaling 316 member months that were moved to COE 005 from January to May 2022. The enrollment shown in row (a) of Exhibit 1 reflects the inclusion of these member months. An additional adjustment was made to add claims for these members in the impacted months to the Non-Newborn SSI / Disabled rate cell. Overall, the base data increased by 0.3% on a PMPM basis for this adjustment.

This adjustment is shown in Exhibit 1 in row (m).

[Adjusted CY 2022 PMPM Costs](#)

Total 2022 base period PMPM costs by rate cell are shown in the final row of Exhibit 1.

IV. PROJECTED SFY 2025 CAPITATION RATES

Many adjustments must be applied to the base period data to develop SFY 2025 capitation rates. This section describes the adjustments applied to the base period data described in Section III to develop SFY 2025 capitation rates. These adjustments are applied in eight steps:

1. Trend costs from base period to SFY 2025.
2. Apply adjustments for population, program, and reimbursement methodology changes.
3. Include an allowance for CCO non-service expenses.
4. Adjust rates to reflect differences in geographic area by rate cell.
5. Apply quality withhold.
6. Adjust for CCO specific risk scores (if applicable).
7. Retrospectively adjust for directed payments.
8. Calculate risk corridor settlements.

STEP 1: TREND COSTS FROM BASE PERIOD TO SFY 2025

Starting with the blended base data developed in Section III, we apply trend adjustments to project the base period to SFY 2025. Below, we describe each trend adjustment shown on Exhibit 2. The adjustments for non-pharmacy and pharmacy services for which the CCOs are responsible (physician administered drugs) are developed using differing methodologies, and therefore, described separately in this section.

Non-Pharmacy Trend Overview

Our general approach to trend development for non-pharmacy categories of service is to consider known recent changes in provider reimbursement, along with historical PMPM trend values. We then develop utilization / service mix trends that produce targeted PMPM trends. We utilize this approach because it is frequently difficult to directly measure changes in utilization for services other than inpatient hospital and pharmacy over time due to differences in counting utilization “units.”

Exhibits 7A to 7E include a historical trend summary of PMPM costs from January 2019 through September 2023 for each high-level population type and in total for the MississippiCAN program. This data has been normalized for the following to put it on a consistent basis across time:

- IBNR from the financial templates was added to the encounter data to review PMPM trends on a completed basis.
- Estimates of the impact of the following material program or reimbursement changes were removed for the applicable time periods. These changes are accounted for in separate adjustments in this report, and therefore, should not be included in data analyzed for trends.
 - Removal of Zolgensma claims
 - 5% assessment removal for OPPS services
 - Implementation of 5% assessment on non-OPPS services
 - OPPS reimbursement changes not related to the 5% assessment
 - PAD reimbursement changes
 - PRTF services
 - OP dental reimbursement change
 - GME carve out
 - NET reimbursement adjustment
 - Provider settlements
 - Financial to encounter adjustments
 - Emergency ambulance reimbursement increases
- PMPMs at a rate cell level were aggregated using September 2023 membership into higher level population groupings and MississippiCAN in total. This removes the impact of membership mix changes across rate cells over time on the aggregate PMPMs.

- No adjustments were made to account for population acuity changes over time.

Table 7 below shows the annualized utilization trends assumed in SFY 2025 capitation rates. Please see Exhibit 12 for a summary of unit cost changes for each service category and rate cell. For the MYPAC rate cell, utilization trends for physician services are dampened relative to the trends shown for other children rate cells to reflect the high proportion of physician services obtained through the MYPAC providers, for which flat utilization trends were assumed. The impact of MYPAC reimbursement changes is reflected through a separate MYPAC fee schedule adjustment, shown on Exhibit 12.

Table 7
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
CY 2022 to SFY 2025 Utilization Trends (Annualized)

Service Category	Population				
	SSI	BCCP	Adults	Children	Newborn
Inpatient Hospital – Maternity / Deliveries	1.0%	1.0%	1.0%	1.0%	1.0%
Inpatient Hospital – Psychiatric / Substance Abuse	5.0%	3.0%	2.0%	3.0%	0.0%
Inpatient Hospital – Other	5.0%	3.0%	2.0%	3.0%	0.0%
Outpatient Hospital – Emergency Room	0.0%	0.0%	0.0%	0.0%	0.0%
Outpatient Hospital – Pharmacy	2.0%	2.0%	1.5%	2.5%	2.5%
Outpatient Hospital – Other	5.0%	3.0%	2.0%	3.0%	3.0%
Physician – Maternity / Deliveries	1.0%	1.0%	1.0%	1.0%	1.0%
Physician – Psychiatric / Substance Abuse	6.0%	3.0%	2.0%	3.0%	3.0%
Physician – Other	5.5%	4.0%	2.0%	3.0%	2.0%
Dental	4.0%	4.0%	4.0%	4.0%	4.0%
Other	3.0%	3.0%	3.0%	3.0%	3.0%

The development of the utilization and unit cost trend assumptions is described below.

Utilization Trend for Non-Pharmacy Costs

Utilization trend reflects expected changes in:

- Demand for medical services
- Intensity or mix of medical services
- Provider practice patterns
- Provider coding changes

The following data sources were used to develop the utilization trend assumptions:

- Historical MississippiCAN specific trends as shown in Exhibits 7A through 7E, with limited credibility applied to trends during the COVID-19 pandemic.
- Emerging Q1 through Q3 2023 experience as reported by the CCOs was additionally summarized to review recent claim trend patterns by population. We adjusted the emerging experience for the following:
 - Acuity changes between Q1 through Q3 2023 and the final acuity projected for SFY 2025 (based on enrollment as of March 2024) for the MA Adult, MA Children, and Quasi-CHIP rate cells.
 - Reimbursement changes effective July 1, 2023 and projected reimbursement changes effective July 1, 2024 were applied to put reimbursement on a SFY 2025 basis.
- Experience from similar programs in other states.

Table 8 below shows the adjusted Q1 through Q3 2023 PMPM costs for the largest population groups, as reported by the CCOs in their emerging CY 2023 financial template data. As described above, this data was adjusted to reflect the expected acuity of the population currently enrolled (as of March 2024) and adjusted to be on a SFY 2025 reimbursement basis. To help assess the reasonability of the trend assumptions selected above, we compared the adjusted Q1 to Q3 2023 PMPM costs for the largest populations to the projected service costs in SFY 2025 and the implied PMPM trend on an annualized basis between the emerging CY 2023 experience and projected SFY 2025 costs. The results are summarized below in Table 8.

Table 8 Mississippi Division of Medicaid CY 2023 Emerging Experience							
Rate Cell	Q1 2023 PMPM¹	Q2 2023 PMPM¹	Q3 2023 PMPM¹	SFY 2025 PMPM^{2,3}	Implied Annualized Trend From Q1 2023	Implied Annualized Trend From Q2 2023	Implied Annualized Trend From Q3 2023
Non-Newborn SSI / Disabled	\$679.06	\$716.68	\$715.22	\$730.00	3.9%	1.1%	1.5%
MA Adult	\$301.28	\$303.38	\$305.45	\$315.11	2.4%	2.4%	2.3%
MA Children / Quasi-CHIP	\$164.30	\$155.51	\$165.77	\$169.18	1.6%	5.3%	1.5%

¹ Adjusted for acuity, reimbursement, and program changes.

² Adjusted to remove estimated CGT costs and the impact of extended postpartum coverage for pregnant women.

³ SFY 2025 PMPMs include estimated reimbursement changes from CY 2022 to SFY 2024, but do not include reimbursement changes from SFY 2024 to SFY 2025 in these preliminary rates.

The adjustment resulting from the selected utilization trends is shown in Exhibit 2 in row (b).

Unit Charge Trends for Non-Pharmacy Costs

The hospital inpatient, hospital outpatient, physician, and dental Medicaid FFS fee schedules are updated each year consistent with the following sources. DOM does not mandate provider reimbursement levels other than to require that reimbursement be at least as great as FFS for network providers. We assume that CCO reimbursement levels will move in tandem with changes to FFS reimbursement. Pursuant to SB2799 that was passed into Mississippi law on April 19, 2021, changes in reimbursement after July 1, 2021 will require legislative notification. HB657 was subsequently signed into law on April 19, 2022, allowing for changes in reimbursement rates as long as the payment methodology remains consistent. Based on direction from DOM we are modeling fee schedule changes for each service category as noted below. Coverage for new codes and prohibition for billing on discontinued codes is allowed. We assumed the net impact of these latter two issues will be budget neutral, but will reevaluate once data is available and adjust capitation rates, if needed. Unless otherwise noted, the fee schedule changes for prior years remained unchanged.

- **Inpatient:** DOM reimburses hospital inpatient claims using an APR-DRG methodology based upon the 3M grouper. Due to issues with the detailed CY 2022 inpatient data as a result of the MMIS vendor transition, the unit cost trends continue to rely on the simulations provided by Conduent for SFY 2024 capitation rates showing the estimated impact of payment rate changes effective July 1, 2023 using an underlying mix of CY 2021 claims. No changes were made to the APR-DRG payment methodology for July 1, 2024.

Table 9 below shows the assumed annualized inpatient charge trends from CY 2022 to SFY 2025 by rate cell grouping including a 0% change for July 1, 2024.

Table 9 Mississippi Division of Medicaid Inpatient Unit Cost Trends for CY 2022 to SFY 2025	
Population	Inpatient
SSI	-1.83%
Adult	1.54%
Newborn ¹	3.34%
Children ²	-1.04%

¹ Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.

² Children include all other children rate cells.

PRTFs are not paid using the APR-DRG methodology and instead rely on a separate fee schedule with per diem payment rates for each facility. To calculate the impact of payment rate changes between the base period and SFY 2025 we applied the increased payment rates for each facility to the applicable time periods. Please see Exhibit 12 for more information about the percentage of base period data impacted and the annualized trend applied as a result of these fee schedule updates.

- **Outpatient:** DOM reimburses hospital outpatient claims using the Medicare APC methodology updated on July 1 of each year. We received the simulation of reimbursement changes for OPPS services effective July 1, 2024 from Myers and Stauffer, and these are used to develop our unit cost trends for SFY 2025 capitation rates. The simulations utilize a CY 2022 claims base data set, with separate projections for July 1, 2023 fee schedule changes and July 1, 2024 fee schedule updates.

Not all services included in our outpatient service category are billed using the OPPS payment methodology, and therefore, we dampened the impact of the OPPS reimbursement changes to apply to applicable services only. Fee schedule changes for home health and some ambulatory surgical center (ASC) services are also included in the outpatient service category.

Table 10 shows the assumed annualized outpatient charge trends for non-pharmacy services from CY 2022 to SFY 2025 by rate cell grouping. These trends reflect the combined impacts of fee schedule changes effective on July 1, 2023, and July 1, 2024. Similar to the process described above for PRTF, fee schedule changes for these services are reflected as a charge trend calculated by comparing the fee schedules in place during the base period and projection periods, weighted by the applicable procedure codes. Please see Exhibit 12 for more information about the percentage of base period data impacted and the annualized trend applied as a result of these fee schedule updates.

Table 10 Mississippi Division of Medicaid Outpatient Unit Cost Trends for CY 2022 to SFY 2025	
Population	Outpatient
SSI	2.30%
Adult	2.55%
Newborn ¹	4.84%
Children ²	3.18%
¹ Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.	
² Children include all other children rate cells.	

- **Physician:** DOM generally reimburses physician services as a percentage of Mississippi Medicare fee schedules and updates the FFS fee schedules on July 1 of each year for the Medicare fee schedule changes from January 1 of the given year. We received the simulated impact of fee schedule changes between CY 2022 and SFY 2025 from Myers and Stauffer, and these updated values have been incorporated into the SFY 2025 capitation rates.

The simulations utilize a base data set of CY 2022 claims with separate projections for July 1, 2023 fee schedule changes and July 1, 2024 fee schedule updates. These finalized simulations are reflected in the SFY 2025 capitation rates.

The per-encounter FQHC and RHC reimbursement is included in the MississippiCAN capitation rates to provide a steadier cash flow to the RHCs and FQHCs that serve the MississippiCAN population. The CCOs are expected to reimburse FQHCs and RHCs at DOM's per-encounter rates. DOM will monitor the utilization of services at FQHCs and RHCs under MississippiCAN to ensure services are not diverted from FQHCs and RHCs to other providers. Approximately 13.5% of costs in the high-level physician category of service are for FQHCs and RHCs. Rate increases of 3.8%, and 4.6% were applied to FQHC and RHC per-encounter rates effective January 1, 2023 and January 1, 2024, respectively. We assumed the per-encounter increase for FQHCs and RHCs to be 4.2% for January 1, 2025, the average of the prior two years.

The Myers and Stauffer simulations excluded early and periodic screening, diagnostic, and treatment (EPSDT) claims. Therefore, we applied the same increase we observed for simulated claims for similar populations, to these claims. We assumed that reimbursement for all other services remain flat from CY 2022 to SFY 2025. Additionally, we excluded PAD claims from this analysis given we develop and apply trends separately for those services.

Table 11 below shows the combined physician unit cost trends, excluding PADs, incorporating the Myers and Stauffer simulated changes, assumed EPSDT increases, appropriate FQHC and RHC trends, and flat unit cost trends for services with no anticipated changes. These trends are applied to the physician maternity, psychiatric, and the portion of the other physician trends not related to PADs. The total physician other trend is a blend of these trends and PAD trends.

Table 11 Mississippi Division of Medicaid Physician Unit Cost Trends for CY 2022 to SFY 2025	
Population	Physician
SSI	-0.10%
Adult	0.59%
Newborn ¹	-0.72%
Children ²	0.53%

¹Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.
²Children include all other children rate cells.

In addition to the physician unit costs trends included in Table 11, fee schedule changes for autism spectrum disorder (ASD), prescribed pediatric extended care (PPEC), and some ASC services are also included in the physician service category. These charge trends were calculated by comparing the CY 2022 payment rates with those currently expected to be in place during SFY 2025, composited based on the mix of services during CY 2022. See Exhibit 12 for additional details regarding the base period costs and applied trend.

- **Dental:** Dental reimbursement changes due to SB2799 and HB657 are incorporated as a separate adjustment to rates. A 10% increase effective October 1, 2023 for certain orthodontia services is included in the dental unit cost trends. No additional dental fee schedule changes are anticipated for July 1, 2024.
- **Other:** Certain fee schedules remain unchanged, and thus, no changes were implemented to the fee schedules between CY 2022 and SFY 2025 except for the services noted below:
 - Durable Medical Equipment (DME) / Medical Supplies
 - Audiology / Vision
 - Private Duty Nursing (PDN)

The simulated impact of fee schedule changes for July 1, 2023 and July 1, 2024 for DME, medical supplies, audiology, and vision were provided by Myers and Stauffer along with other professional claims. The additional claim level detail provided in this analysis allowed us to more precisely align the claims we bucket into the “other” service category with the correct fee schedule changes.

To calculate the impact of the PDN fee schedule change we applied the 15.0% fee schedule increase effective October 2022 to all claims with a service data prior to October 2022, assuming that CCO payments will increase alongside FFS payment increases. All claims not included in the Myers and Stauffer simulation or separately adjusted in the PDN analysis are assumed to have a 0.0% unit cost trend from CY 2022 to SFY 2025.

Row (c) in Exhibit 2 includes the aggregate unit cost adjustment factors from CY 2022 to SFY 2025.

Physician Administered Drug Trends

We developed physician administered drug (PAD) trends using the following sources:

- **MississippiCAN-Specific Data** – We analyzed completed January 2022 to December 2023 experience for pharmacy claims administered in a medical setting, also referred to in this report as physician administered drugs (PADs). We analyzed historical experience in CY 2022 and CY 2023 by high level population and drug type.
- **Industry Research** – We reviewed recent drug trend reports from PBMs to benchmark the prospective list price and utilization trends used in our detailed modeling of MississippiCAN-specific data. Additionally, we conducted industry research to adjust trends for anticipated market events, including but not limited to, recent average sales price (ASP) price change, biosimilars, novel brand drugs, expanded treatable population for approved drugs (e.g., new indication or age expansion), and drug mix in MississippiCAN medical experience.
- **FDA Drug Approvals** – When developing prospective PAD trends, we consider the FDA approval of various new therapies. However, building explicit additional trend into capitation rates for these products is difficult due to a lack of information on expected pricing and uptake among the various populations. Therefore, we build in modest additional trend to reflect the expansion of new approvals for each population. We note, the historical experience reviewed in trend development also reflects the impact of FDA approvals that were new during those periods. For select high-cost pharmaceuticals we build explicit adjustments into the capitation rates, as outlined in Step 2, rather than incorporating into the PAD trend assumption.

Based on our analyses, we estimate annualized utilization and unit cost trends from CY 2022 to SFY 2025 shown in Table 12. Difference in aggregate trends by population in Table 12 are due to each population’s historical trends and drug mix.

Table 12 Mississippi Division of Medicaid Pharmacy Trends for CY 2022 to SFY 2025				
	SSI	Adult	Children	Newborn
Annualized Unit Cost Trends	2.00%	1.50%	2.50%	2.50%
Annualized Utilization Trends	2.00%	1.50%	2.50%	2.50%

Seasonal Virus Trend Adjustment

We continue to monitor costs associated with COVID-19 (testing, treatment, and vaccinations), as well as costs associated with influenza and respiratory syncytial virus (RSV). We queried CY 2022 MississippiCAN costs associated with COVID-19, influenza, and RSV by population and compared them to similar costs in emerging CY 2023 data with runout through August 2024. Specific adjustments were made to ensure claims are not counted as both COVID-19 and influenza / RSV. Additionally, we excluded all maternity and delivery claims from being identified as either COVID-19 or influenza / RSV, given we would expect those claims to occur regardless.

We expect that seasonal virus costs in SFY 2025 will be more similar to levels observed in CY 2023, which is further removed from the height of the COVID-19 PHE than the base period experience in CY 2022. We observe material decreases in costs related to COVID-19, influenza, and RSV in CY 2023 compared to CY 2022 levels. Therefore, we applied high-level dampening adjustments to apply to CY 2022 COVID-19, influenza, and RSV costs to decrease them in line with observed CY 2023 levels. These dampening adjustments were calculated separately by population and for COVID-19 vs. influenza and RSV and the final resulting dampened cost is included in Table 13 below. The PMPM cost adjustments are scaled across service categories based on the historical cost distribution.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Table 13 Mississippi Division of Medicaid Seasonal Virus Trend Adjustment				
	CY 2022 PMPM Cost	CY 2023 PMPM Cost	Adjustment	CY 2022 Dampened Cost PMPM
SSI				
COVID-19	\$19.03	\$7.86	-55.0%	\$8.56
Flu / RSV	\$5.17	\$4.66	-5.0%	\$4.91
Total	\$24.20	\$12.51		\$13.47
Newborn				
COVID-19	\$18.39	\$12.35	-30.0%	\$12.87
Flu / RSV	\$25.32	\$22.88	-5.0%	\$24.05
Total	\$43.70	\$35.23		\$36.92
Children				
COVID-19	\$8.34	\$4.69	-40.0%	\$5.01
Flu / RSV	\$5.22	\$4.52	-10.0%	\$4.69
Total	\$13.56	\$9.21		\$9.70
Adults				
COVID-19	\$11.82	\$4.69	-60.0%	\$4.73
Flu / RSV	\$2.36	\$2.48	0.0%	\$2.36
Total	\$14.18	\$7.18		\$7.09

Row (d) in Exhibit 2 shows the adjustment for seasonal viruses.

STEP 2: APPLY ADJUSTMENTS FOR POPULATION, PROGRAM, AND REIMBURSEMENT METHODOLOGY CHANGES

The following adjustments are applied to reflect changes in expected costs due to changes between the base period and rating period.

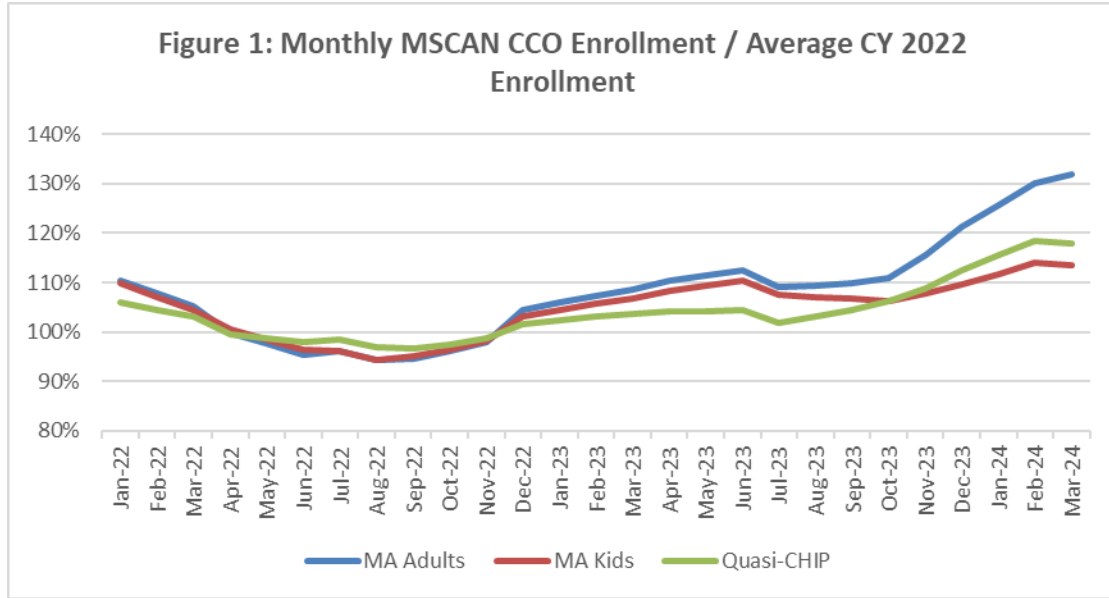
- Population Changes: Change in the mix of individuals already enrolled in MississippiCAN
- Program Changes: Changes to populations and / or services included in MississippiCAN
- Reimbursement Methodology Changes: Updates to Medicaid FFS reimbursement methodologies (assumes a parallel impact on MississippiCAN reimbursement), or changes in CCO reimbursement

Exhibit 10 summarizes the program, population, and reimbursement changes discussed in this section, the impacted rate cells for each change, and where the change is reflected in the rate development.

Population Acuity Adjustment

Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from the CCOs into FFS Medicaid. This transition from the CCOs into FFS Medicaid was concentrated in several populations where members commonly churn in and out of the Medicaid population or transition between rate cells due different income eligibility at different ages, including the MA Adults, MA Children, and Quasi-CHIP children. These transitions continued well into CY 2022, impacting the CY 2022 membership mix included in the base data used to develop SFY 2025 capitation rates.

In addition, the CCR ended on March 31, 2023, and DOM initiated eligibility redeterminations in April 2023, with disenrollments of ineligible recipients starting in July 2023 and continuing over the next 12 months. During the redetermination process, beneficiaries that had been moved from the CCOs into FFS initially that maintained Medicaid eligibility were moved back into MississippiCAN, resulting in steady CCO enrollment increases throughout CY 2023 and into CY 2024. Figure 1 shows this change in monthly enrollment compared to the average enrollment in CY 2022 for each rate cell (e.g., a ratio of 110% indicates that month's enrollment is 10% higher than the average enrollment during the CY 2022 base data).



To estimate the change in acuity due to population changes between the CY 2022 base period data and the population we expect to be enrolled during SFY 2025, we performed a risk score-based acuity analysis. We calculated risk scores for two distinct time frames:

1. CY 2022 (CY 2021 diagnoses and CY 2022 enrollment).
2. March 2024 (CY 2023 diagnoses and March 2024 enrollment used as a proxy for the population enrolled during SFY 2025).

Due to population and programmatic changes occurring in MississippiCAN since we last calculated Mississippi-specific risk scores, we did not use the custom Mississippi risk weights that have been used for risk adjustment in prior capitation rate periods. Instead, we relied on standard CDPS weights from the CDPS + Rx risk score model. We excluded pharmacy claims from the risk score model, as these claims are not included in the capitation rates for SFY 2025. Given the large changes in membership between CY 2022 and March 2024 we only looked at members that were able to be “scored,” meaning they had at least six months of enrollment during the diagnosis period.

To calculate the acuity adjustments, we compared the average risk scores for March 2024 enrollment compared to the average risk score in CY 2022 for each population. The results were very similar for MA Children and Quasi-CHIP, so the same adjustment was applied to both rate cells. The final acuity adjustments applied are a downward adjustment of 1.5% for MA Adults and an upward adjustment of 2.5% for MA Children and Quasi-CHIP, as shown in Table 14.

Table 14 Mississippi Division of Medicaid SFY 2025 MississippiCAN Capitation Rate Development Population Acuity Adjustment						
Cap Cell	CY 2022 - Scored Members		March 2024 - Scored Members		Risk Score Change	Final Acuity Adjustment
	Member Months	Average Risk Score	Member Months	Average Risk Score		
MA Adult	405,835	1.020	47,891	1.006	0.986	0.985
MA Children	2,462,797	0.947	238,373	0.972	1.027	1.025
Quasi-CHIP	275,824	0.967	27,371	0.986	1.019	1.025

Additional information about the risk scores for members enrolled in MississippiCAN during CY 2022 and March 2024, including additional splits for various time periods are shown in Tables 15 (MA Adult) and 16 (MississippiCAN children) below.

For CY 2022 MississippiCAN scored members, we reviewed the risk scores separately by quarter to assess the impact on risk scores of ongoing member eligibility redeterminations during CY 2022 when members were moved to FFS. This shows that risk scores remain relatively stable during CY 2022 as membership declines.

We similarly reviewed monthly risk scores for each scored population from December 2023 to March 2024 where we saw large membership increases as a result of member eligibility redeterminations related to the unwinding of the PHE. Tables 15 and 16 show a steady increase in membership month over month for all populations, but the impact on risk score varies by population (risk scores decrease for adults and increase for children).

Table 15 Mississippi Division of Medicaid Acuity Adjustment - MA Adult					
CY 2022 Risk Scores by Quarter					
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	CY 2022
Scored Member Months	116,213	101,521	93,607	94,494	405,835
Average Monthly Enrollment	38,738	33,840	31,202	31,498	33,820
Risk Score	1.019	1.025	1.024	1.014	1.020
December 2023 to March 2024 Risk Scores					
	December 2023	January 2024	February 2024	March 2024	
Scored Members	42,388	44,399	46,263	47,891	
Risk Scores	1.019	1.013	1.009	1.006	

Table 16 Mississippi Division of Medicaid Acuity Adjustment - MA Children and Quasi-CHIP					
CY 2022 Risk Scores by Quarter					
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	CY 2022
Scored Member Months	750,429	683,691	649,991	654,510	2,738,621
Average Monthly Enrollment	250,143	227,897	216,664	218,170	228,218
Risk Score	0.941	0.949	0.954	0.949	0.949
December 2023 to March 2024 Risk Scores					
	December 2023	January 2024	February 2024	March 2024	
Scored Members	237,899	247,128	257,521	265,744	
Risk Scores	0.971	0.971	0.973	0.973	

Row (e) in Exhibit 2 shows the population acuity adjustment.

Postpartum Coverage Extension

Per SB 2212, postpartum coverage extended from 60 days to 12 months effective July 1, 2023. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. After July 1, 2023, this redetermination will not occur until the end of the 12 months of postpartum coverage. While this program change has the largest impact on the Pregnant Women rate cell, other rate cells are also expected to have minor increases in enrollment due to extending the time until eligibility redetermination to 12 months postpartum (i.e., if someone would have been disenrolled during their annual redetermination they now will remain for the additional months until 12 months postpartum). We reviewed the impact of the coverage extension on all rate cells in the MississippiCAN program and believe the PMPM impact is minimal and did not include an adjustment for any rate cell except for the Pregnant Women rate cell, given its unique eligibility requirements and historical enrollment patterns. The projected membership in Exhibit 3 includes the impact of extending postpartum coverage for all rate cells.

While this program change will add membership and service costs to the Pregnant Women rate cell, these additional months of coverage are expected to be lower on a PMPM basis than the costs included in the CY 2022 base data. We developed separate adjustments to apply to the non-delivery costs and delivery costs included in Exhibit 2.

MILLIMAN REPORT

- **Non-Delivery Costs:** The estimated PMPM cost for months 3 through 12 postpartum was developed by reviewing the relativity of the non-pharmacy PMPMs for postpartum months 1 and 2 compared to months 3 through 12 for individuals that had a delivery while in the Pregnant Women rate cell in CY 2023 and were eligible for the extended coverage effective July 1, 2023. Given the limited amount of data available and limitations on claim runout we also compared this to the PMPM relativities used in SFY 2024 capitation rate development, which was calculated based on experience in the MA Adult rate cell during CY 2021. Both data sets showed a cost relativity of roughly 75%. We then applied this relativity to the PMPM cost for postpartum months 1 and 2 for the Pregnant Women rate cell in the CY 2022 base data.
- **Delivery Costs:** Additional delivery costs will not be incurred for the additional months of membership added to the Pregnant Women rate cell. Therefore, we dampen the delivery cost PMPM to spread across the increased membership basis. The adjustment for SFY 2025 is further dampened compared to the adjustment in SFY 2024 capitation rates because the extension of coverage will be in place for a full year at the start of SFY 2025 rather than a ramp-up of additional member months during SFY 2024. Therefore, we expect a higher percentage of non-delivery months in the pregnant women rate cell in SFY 2025 compared to SFY 2024.

Table 17 below demonstrates the development of the population change factors.

Table 17 Mississippi Division of Medicaid SFY 2025 Capitation Rate Development Pregnant Women Rate Cell Postpartum Extension Adjustment			
		Non-Delivery Costs	Delivery Costs
Prior Eligibility: Prenatal through 60 Days Postpartum			
(A)	Member Months	96,821	96,821
(B)	Total Allowed	\$31,518,325	\$56,111,477
(C) = (B) / (A)	CY 2022 Allowed PMPM	\$325.53	\$579.54
New Eligibility: 3 through 12 Months Postpartum			
(D)	Member Months	104,491	104,491
(E)	Total Allowed	\$17,134,718	\$0
(F) = (E) / (D)	Allowed PMPM	\$163.98	\$0.00
Total Population			
(G) = (A) + (D)	Member Months	201,312	201,312
(H) = (B) + (E)	Total Allowed	\$48,653,043	\$56,111,477
(I) = (H) / (G)	Allowed PMPM	\$241.68	\$278.73
(J) = (I) / (C)	Postpartum Population Change Factor	0.742	0.481

Row (f) in Exhibit 2 shows this adjustment.

Hemophilia Population Carve-In

Starting on January 1, 2024, eligible members diagnosed with Hemophilia and Von Willebrand's disease transitioned from FFS to MississippiCAN. Historically this population has been carved-out of MississippiCAN due to the relatively high-cost associated with treatment and the infrequent and non-uniform distribution across the CCOs. DOM provided a list of 168 members with hemophilia that were transitioned from FFS to MississippiCAN on January 1, 2024. We identified 153 members in CY 2022. We included an adjustment to include these members' CY 2022 FFS claims and enrollment to their current rate cell. Additionally, we increased overall costs to reflect the additional 15 members not present in the CY 2022 and assumed these members have the same average PMPM cost as those members reflected in the CY 2022 base period data.

Row (g) in Exhibit 2 shows this adjustment.

Gene Therapy Coverage

There are several high-cost gene therapies that are currently available. We worked closely with our clinical team and the clinical team at DOM to identify eligible members and estimate potential treatment uptake percentages and total costs for treatment for each gene therapy by rate cell. Table 18 below details the assumptions and estimated SFY 2025 impact for each treatment. Additionally, please see Exhibits 14C and 14D for the full development of these amounts by rate cell.

Table 18
Mississippi Division of Medicaid
SFY 2025 Capitation Rate Development
Gene Therapy Estimates

Condition	Therapy	Number of Treatments	Pharmacy Cost per Treatment	Inpatient Cost per Treatment	Total Anticipated Treatment Cost
Beta-Thalassemia	Zynteglo	1	\$2,800,000	\$200,000	\$3,000,000
Duchene Muscular Dystrophy	Elevydis	1	\$3,200,000	\$0	\$3,200,000
Hemophilia A	Roctavian	2	\$2,500,000	\$0	\$5,800,000
Hemophilia B	Hemgenix	1	\$3,500,000	\$0	\$3,500,000
Sickle Cell Disease	Lyfgenia / Casgevy	6	\$2,650,000	\$200,000	\$17,100,000
Spinal Muscular Atrophy	Zolgensma	3	\$2,254,412	\$0	\$6,763,236
Total		14	\$2,711,660	\$100,000	\$39,636,236

Row (h) in Exhibit 2 shows this adjustment.

Gene Therapy Coverage Savings

The gene therapies listed above are assumed to significantly reduce or eliminate symptoms of the underlying condition. We queried CY 2022 claims data for potential utilizers meeting the clinical profile for each gene therapy to analyze what historical costs looked like for these members. We reviewed this information with our clinical team and determined that a majority of costs associated with the underlying condition that are likely to be alleviated by the new gene therapies are related to pharmacy services. Since pharmacy claims not administered as part of the medical benefit are not included in capitation rates for SFY 2025, we have not applied a savings adjustment to the capitation rates reflecting a cost reduction.

Preventative and Diagnostic Dental Reimbursement Change

Per SB2799 signed into law on April 19, 2021, the payment rate for preventative and diagnostic dental services was increased by 5% effective on both July 1, 2022 and July 1, 2023. We determined the proportion of CY 2022 dental claims identified as preventative or diagnostic (defined as procedure codes D0100 through D1999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on preventative and diagnostic dental services with a 0% reimbursement adjustment on other dental services.

The cumulative preventive and diagnostic dental reimbursement change is shown in row (i) in Exhibit 2.

Restorative Dental Reimbursement Change

Per HB657 signed into law on April 19, 2022, DOM increased the payment rate for restorative dental services by 5% on both July 1, 2022 and July 1, 2023 and will increase by another 5% effective on July 1, 2024. We determined the proportion of CY 2022 dental claims identified as restorative (defined as procedure codes D2000 through D2999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on the restorative services with a 0% reimbursement adjustment on other dental services, after adjusting for the preventative and diagnostic reimbursement changes discussed above.

The cumulative restorative dental reimbursement change is shown in row (j) in Exhibit 2.

Immaterial Program, Population, and Reimbursement Methodology Changes

There are several program, population, and reimbursement changes between the base period experience and SFY 2025 that we did not build an explicit adjustment into rates for, given the projected budget neutral or immaterial impact. These changes are described below.

- Tobacco Cessation – effective July 1, 2023, coverage for smoking cessation counseling services was expanded to cover up to 12 sessions per year. It is estimated that the impact to capitation rates for this change is negligible, so no adjustment was applied.

STEP 3: NON-SERVICE EXPENSE ALLOWANCE

Administrative Expenses, Premium Tax, and Targeted Margin

The administrative allowance included in the capitation rate is intended to cover administrative costs, including the following:

- Case management
- Utilization management
- Claim processing and other IT functions
- Customer service
- Provider contracting and credentialing
- TPL and program integrity
- Member grievances and appeals
- Financial and other program reporting
- Local overhead costs
- Corporate overhead and business functions (e.g., legal, executive, human resources)

Exhibit 3 shows the build-up of the non-service expenses, comprised of the following components for SFY 2025:

- \$9.99 PMPM for fixed administrative costs
- 5.98% of revenue less directed payments for variable administrative costs
- 1.80% of revenue less directed payments for target underwriting margin and cost of capital
- 3.00% for the Mississippi premium tax

Table 19 displays the non-service expense allowance included in the SFY 2025 rates. All percentages of revenue are shown excluding MHAP, MAPS, and TREAT revenue, which are ultimately not at risk to the CCOs.

Table 19 Mississippi Division of Medicaid SFY 2025 MississippiCAN Non-Benefit Expenses		
	% of Revenue	PMPM
Fixed Costs ¹	2.56%	\$9.99
Variable Costs ²	5.98%	\$23.31
Premium Tax ²	3.00%	\$11.68
Margin ²	1.80%	\$7.01
Total	13.35%	\$51.99

¹ Included in the rate as a PMPM, equivalent % of revenue shown.

² Included in the rate as a % of Revenue, equivalent PMPM is shown.

The administrative expense allowance for SFY 2025 was developed by trending the fixed and variable allowances from CY 2022 financial data provided by the CCOs, combined for MississippiCAN and CHIP. These reported expenses were then adjusted to limit PMPM increases to the employment cost index (ECI) trend of 5.1% between CY 2021 and CY 2022 on a CCO level, if applicable, and to adjust administrative expenses consistent with the administrative expense audits conducted by Myers and Stauffer and related party administrative expense analysis completed by DOM. Applying adjustments consistent with the audit report and related party expenses decreased the CCO reported administrative costs by roughly 3.5% (\$1.24 PMPM) and limiting the PMPM trend to 5.1% for the one CCO with higher trend decreased the reported administrative costs another 8.7% (\$3.03 PMPM). Compared to CY 2021 administrative expenses underlying the SFY 2024 capitation rate, adjusted CY 2022 administrative expenses are down 1.1% on a PMPM basis from \$36.42 to \$36.02 alongside membership decreases for the same time period of 15% to 20%.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Adjusted CY 2022 administrative expenses were trended by an annual trend of 3.8% from CY 2022 to SFY 2025. The 3.8% annual trend is a blend of actual employment cost index (ECI) data from CY 2022 through CY 2023 of 4.4% and an assumed 3.4% annual trend from CY 2023 to SFY 2025. The future 3.4% trend assumption is consistent with the average ECI annual change from CY 2018 through CY 2022. The ECI data reflects expected changes in wages and other services that comprise a majority of administrative costs. In addition, we reviewed the CMS Medicare Economic Index (MEI) that includes actual changes through June 2023 and forecasted quarterly changes afterwards. The MEI from CY 2022 through SFY 2025 has an annualized change of 3.8%, similar to our analysis with the ECI data.

Administrative costs for SFY 2025 were also adjusted to reflect the transition of certain pharmacy claims from the CCOs to the DOM contracted PBA. Based on reporting provided by the CCOs and DOM, we estimate that approximately 85% of reported CCO PBM costs incurred during CY 2022 are related to duties that will no longer be performed by the CCOs in SFY 2025 and were therefore removed, resulting in a decrease in administrative costs of roughly \$2.39 PMPM or approximately 7.5%. After the removal of these PBM fees the administrative expenses are projected to decrease by 10.7% on a PMPM basis compared to SFY 2024.

Finally, the administrative expenses are split between the MississippiCAN and CHIP programs, based on the distribution of costs in prior financial template reporting that split MississippiCAN and CHIP expenses. The final overall projected administrative cost PMPM (for fixed and variable expenses) is \$33.30 for the MississippiCAN program in SFY 2025 as shown in columns (c) and (e) of Exhibit 3.

The margin of 1.8% of revenue is applied in column (f) of Exhibit 3 and premium tax of 3.00% of revenue is applied in column (i) of Exhibit 3 for costs included in the capitation rates and Exhibit 13 for state directed payments.

STEP 4: ADJUST FOR GEOGRAPHIC AREA

CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions (as defined in Appendix A): North, Central, or South. Table 20 shows the geographic area factor adjustments that are applied based on a beneficiary's region.

Table 20 Mississippi Division of Medicaid Area Factors			
Region	SSI	Adults and Deliveries	Children
North	0.878	0.995	1.020
Central	1.041	1.026	1.078
South	1.096	0.981	0.909

We developed the geographic area factors on a budget-neutral basis by blending projected claims PMPM across rate cell groupings weighted upon the statewide rate cell distribution for each region and reviewing the relative difference in PMPM cost for each region. We created three different rate cell groups (as shown in Table 5) to aggregate experience for similar rate cells, so that we could adequately reflect area factor differences among rate cells and still maintain credibility.

Exhibit 4 includes the resulting capitation rates for each region using these area factors.

STEP 5: ADJUST FOR QUALITY WITHHOLD

Continuing in SFY 2025, a 1.0% quality withhold will be placed on capitation rates for the MississippiCAN program. The terms of the withhold arrangement are outlined in the contract with the CCOs. To earn back the withhold the CCOs must achieve HEDIS scores for the following conditions that are greater than or equal to 2.0% above the baseline HEDIS scores, with a percentage of the withhold assigned to each category. The benchmarks for SFY 2025 will be set based on the average of all CCO reported scores from calendar years 2021 and 2022 (prorated based on member months).

Each of the following HEDIS measures will be used to earn back one twelfth (approximately 8.33%) of the quality withhold, for approximately 83.33% total across all HEDIS measures:

- Well-Child First 30 months (W15 metrics impact the quality withhold; W30 is reporting only for SFY 2025):
 - Six or more visits for children 15 months of age
 - Two or more visits for children 30 months of age
- Immunization for Adolescents (IMA):
 - Combination 2: Meningococcal, Tdap, and HPV
- Anti-Depressant Management-Acute (AMM-AD):
 - Effective Acute Phase Treatment
- Follow-Up After Hospitalization for Mental Illness:
 - 30 Days – Ages 6 to 17
- Prenatal and Postpartum Care (PPC-AD):
 - Timeliness of Prenatal Care
- Comprehensive Diabetes Care:
 - HbA1c Testing
 - Blood Pressure Control
 - Eye Exams
- Adult and Children Asthma Control – Ages 5 to 64
- Adults Pharmacotherapy Management of COPD Exacerbation: Systemic Corticosteroid

DOM will be monitoring readmission rates reported as part of the QIPP in SFY 2025. For SFY 2025, this will be included as a scored metric for the quality withhold. During SFY 25, CCOs will be required to improve their actual-to-expected (A/E) ratio compared to the baseline years by 2.0% if the baseline A/E ratio is >1.0 or not allow the A/E ratio to be >1.0 for the reporting period if the baseline A/E ratio is <1.0. During SFY 2025, CY 2020 and CY 2021 will serve as the baseline years. This PPHR measure will be used to earn back 8.33% of the quality withhold.

Consistent with SFY 2024, DOM will also be monitoring the cesarean section (C-section) rates among all births paid for by a CCO during the measurement period (CY 2024) and comparing to the baseline period (CY 2021). To earn back the final 8.33% of the withhold a CCO must improve their individual C-section rate by two (2.0) percentage points during the measurement period compared to the baseline period.

If a CCO does not have sufficient data to consider its HEDIS scores credible, DOM will not hold the CCO liable for not meeting the measurement. In this case, the portion of the incentive withheld related to that measurement will be returned to the CCO. DOM will not prorate the results for a CCO based on the outcomes of the measures attained during SFY 2025. After discussions with DOM about the metric development and expectations, we believe that a return of 100% of the withhold is reasonably achievable by the CCOs.

Exhibit 4 includes the resulting capitation rates for each region net of the quality withhold.

STEP 6: ADJUST FOR CCO-SPECIFIC RISK SCORE (IF APPLICABLE)

Risk Adjustment for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP Rate Cells

The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be further adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). Costs for the Breast and Cervical Cancer, Foster Care, and Pregnant Women populations are less variable since they tend to utilize similar services across each population. In addition, some of the population sizes are too small from which to develop custom weights specific to the covered services and MississippiCAN

reimbursement levels. Therefore, we do not risk adjust these populations. Since the risk adjustment is prospective, there is no historical diagnosis information from which to develop a risk score for newborns.

The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO. Risk adjustment will be budget-neutral to DOM. This risk sharing mechanism is developed in accordance with generally accepted actuarial principles and practices.

To establish these risk scores, the CDPS + Rx risk adjuster will be run with risk weights consistent with services covered in MississippiCAN for the given time period. These risk weights are calculated using Mississippi FFS and encounter data for the Non-Newborn SSI / Disabled, MA Adult, MA Children, Quasi-CHIP, and CHIP populations. In addition, a beneficiary must have at least six months of eligibility in the data year to be scored. If a beneficiary does not have enough data, they will receive a score based on demographic information, such as age and gender. We will monitor the percentage of CCO enrollees who are not scored and adjust the methodology if necessary.

DOM's MMIS vendor changed in October 2022, and we have been working to evaluate the quality of the membership and encounter claims data after this transition. This evaluation is now complete, allowing us to utilize this data to develop updated population-specific cost weights and risk scores reflecting the populations and services covered during SFY 2025. We updated risk weights and risk scores for the first half of SFY 2025 (July through December 2024) using CY 2023 encounter and FFS data with runout through April 26, 2024, as well as June 2024 enrollment data. We have not calculated the risk scores for the second half of SFY 2025 (January through June 2025), but we plan to complete this work by the end of the year.

Table 21 Mississippi Division of Medicaid CCO Capitation Rate Risk Adjustment Schedule SFY 2025 Capitation Payments			
Rate Cell	Capitation Payments	Diagnosis Source Data	Enrollment Source
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	July 2024 to December 2024	CY 2023 Encounter and FFS claims with runout through April 26, 2024	June 2024
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	January 2025 to June 2025	SFY 2024 Encounter and FFS claims with runout through August 30, 2024	October 2024

Risk Adjustment for the Foster Care Rate Cell

Starting in SFY 2021, the Foster Care rate cell is concurrently risk adjusted after the risk adjustment period ends. The Foster Care rate cell will be risk adjusted using a custom risk adjustment model that does not depend on the CDPS + Rx risk adjuster. After testing the predictive ability of several potential models, we determined the member's eligibility for either state or federal financial assistance was the most accurate indicator of the member's risk score. This status is captured by the money code field on DOM's enrollment records. Updated risk weights for each money code were calculated using more recent data, and reflecting changes to the covered population. These risk weights will be used for calculating foster care risk scores for SFY 2025.

Unlike the other risk-adjusted populations, risk adjustment for the Foster Care rate cell will be applied concurrently after the risk adjustment period ends. Given the small size of the Foster Care rate cell, small fluctuations in membership could have a material impact on risk adjustment if applied prospectively. Therefore, we will continue to concurrently risk adjust the Foster Care rate cell in SFY 2025.

Application of Risk Scores

A CCO's capitation rate will be determined based upon the following formula:

CCO Capitation Rate = Base Capitation Rate x CCO Normalized Risk Factor

The base capitation rates are found in Exhibit 4.

The CCO normalized risk factor will equal the average risk factor across all beneficiaries that a CCO enrolls divided by the average risk factor for the rate cell’s population. Regional risk scores will be normalized to ensure the risk adjustment process is revenue neutral across all CCOs.

STEP 8: DIRECTED PAYMENTS

DOM will process the capitation rate adjustments for multiple directed payments outside of the monthly capitation rate payment system in the form of payments to the CCOs for the actual amount paid to providers and the associated premium tax impact related to these payments. We will calculate and certify adjusted CCO-specific capitation rates at the conclusion of SFY 2025. This recertification is expected to be completed by June 2026.

MHAP Overview

Concurrent with the inclusion of inpatient hospital services in MississippiCAN capitation rates effective December 1, 2015, MHAP was established. This program helps to ensure sufficient access to inpatient and outpatient hospital services for the Medicaid population by including enhanced hospital reimbursement in the capitation rates.

MHAP is funded through a broad-based hospital assessment for facilities in Mississippi and an intergovernmental transfer (IGT) for a facility in Memphis (located within a county contiguous to Mississippi). This provider assessment is outlined in Miss. Code Ann §43-13-145.

Per CMS’s approval on January 12, 2018, beginning in SFY 2018 MHAP began to transition to directed payments according to the specifications and requirements of 42 CFR 438.6 et seq. Table 22 displays the two components of MHAP (FSA and QIPP) and the total dollars in each component from SFY 2024 to SFY 2025.

Table 22 Mississippi Division of Medicaid MississippiCAN Capitation Rates MHAP Distribution by SFY			
SFY	MHAP FSA	MHAP QIPP	Total MHAP
2024	\$733,317,426	\$788,996,459	\$1,522,313,885
2025	\$719,679,373	\$820,744,321	\$1,540,423,694

The roughly \$18 million in additional funding from SFY 2024 to SFY 2025 is comprised of an increase of roughly \$43.5 million (described in the MHAP QIPP section below) and a decrease of approximately \$25.4 million for the removal of payments to an out of state children’s hospital.

MHAP FSA

For SFY 2025, a payment of \$719.7 million is included as a directed FSA on inpatient and outpatient claims that will be paid monthly outside the capitation rates as a separate payment term.

The preliminary FSA amounts are shown in column (c) of Exhibit 13, consistent with the program design that 60% of the \$719.7 million will be paid for inpatient hospital services, and 40% will be paid for outpatient hospital services using projected SFY 2025 membership. These calculations were performed across all MississippiCAN rate cells with each of the inpatient and outpatient FSA percentage impacts applied uniformly. This results in a larger proportion of the FSA funding included in rate cells with higher inpatient and outpatient utilization.

The estimated FSA PMPM in Exhibit 13 is based on projected SFY 2025 membership and estimated utilization across all CCOs. Due to actual vs. projected CCO-specific MississippiCAN membership and claim utilization, this estimated capitation adjustment may result in an overpayment or underpayment of the FSA in SFY 2025 if no adjustments are made. The final CCO specific FSA amounts will be calculated on a PMPM basis at the end of SFY 2025, and the appropriate documentation will be provided to CMS.

The adjustments to capitation rates are consistent with the preprint that was approved by CMS for SFY 2025 on June 26, 2024 with an amendment submitted to CMS on August 29, 2024. The control name for this preprint is MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

The MHAP FSA additive adjustment is shown in column (c) in Exhibit 13. An additional allowance for premium tax on the MHAP FSA is included in column (d) in Exhibit 13.

MHAP QIPP

Beginning in SFY 2020, a quality incentive payment program (QIPP) was included as a component of MHAP. Consistent with the preprint submitted to CMS, the QIPP will be paid as a uniform payment arrangement for SFY 2025. The goal of the QIPP is to utilize state and federal investments to improve the quality of care and health status of the Mississippi Medicaid population. The introduction of QIPP was a multi-year process with an increasing percentage of the payments linked to performance improvements achieved and maintained by the hospital industry.

For SFY 2025, the QIPP will consist of approximately \$820.7 million, which will be paid outside of the capitation rates on a quarterly basis as a separate payment term. DOM will determine the payments made to facilities based on agreed upon performance measures. Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2025 to include a QIPP PMPM for each CCO, which will include a provision for premium tax.

New for SFY 2025, additional funding of \$43.5 million is included in the expected QIPP payments related to a new VBP arrangement in which hospitals can earn bonus payments for meeting performance levels assigned to a variety of metrics. These payments will only be made to hospitals that meet the prescribed performance levels for each metric.

The adjustments to capitation rates are consistent with the preprint that was approved by CMS for SFY 2025 on June 26, 2024 with an amendment submitted to CMS on August 29, 2024. The control name for this preprint is MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630.

The MHAP QIPP additive adjustment is shown in column (e) in Exhibit 13. An additional allowance for premium tax on the MHAP QIPP is included in column (f) in Exhibit 13.

TREAT Program

Beginning July 1, 2022, emergency ambulance reimbursement are proposed to be increased consistent with a \$438.6(c) directed payment for eligible providers. Subject to CMS approval, payments for the TREAT program are estimated to be \$25.3 million for SFY 2025 and will be paid outside the capitation rate as a uniform payment arrangement.

Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2025 to include a TREAT PMPM for each CCO, which will include a provision for premium tax.

The adjustments to capitation rates are consistent with the preprint that was approved by CMS for SFY 2025 on July 22, 2024. The control name is MS_Fee_Oth_Renewal_20240701-20250630.

The TREAT additive adjustment is shown in column (g) in Exhibit 13. An additional allowance for premium tax on the TREAT payments is included in column (h) in Exhibit 13.

Mississippi MAPS Program

Beginning in SFY 2020, the Mississippi Medicaid Access to Physician Services (MAPS) program enhanced payments to physicians who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital. The term "qualifying hospital" means a Mississippi state-owned academic health science center with a Level 1 trauma center, Level 4 neonatal intensive care nursery, an organ transplant program, and more than a four hundred (400) physician multispecialty practice group.

DOM will require that CCOs provide the same supplemental percentage increase, equal to 58.63% of Medicare rates, to all qualifying providers. Payments in SFY 2025 are expected to be \$29.5 million. Similar to MHAP, capitation rates will be retroactively adjusted for SFY 2025 to include a MAPS PMPM including a provision for premium tax for each CCO and rate cell based on actual membership and utilization. The appropriate documentation will be submitted to CMS at the time of this retroactive adjustment.

This program is being made under a \$438.6(c) payment arrangement consistent with the preprint that was filed with CMS for SFY 2025 on August 6, 2024. The control name is MS_Fee.VBP_AMC_Renewal_20240701-20250630.

The MAPS additive adjustment is shown in column (i) in Exhibit 13. An additional allowance for premium tax on the MAPS is included in column (j) in Exhibit 13.

Table 23 below shows a summary of the MHAP, MAPS, and TREAT payments for SFY 2024 and SFY 2025.

Table 23 Mississippi Division of Medicaid Summary of Directed Payments by SFY		
	SFY 2024	SFY 2025
Total MHAP	\$1,522,313,885	\$1,540,423,694
MHAP FSA ¹	\$733,317,426	\$719,679,373
MHAP QIPP ¹	\$788,996,459	\$820,744,321
MAPS ²	\$39,420,290	\$29,526,117
TREAT	\$20,616,966	\$25,285,224
Total Directed Payments	\$1,582,351,141	\$1,595,235,035

¹ Amendments for the SFY 2025 MHAP FSA and MHAP QIPP are pending CMS approval.

² The preprint for the SFY 2025 MAPS payment is pending CMS approval.

STEP 9: CALCULATE RISK CORRIDOR SETTLEMENTS

Subject to CMS approval, DOM will implement a symmetrical risk corridor to address the uncertainty around cell and gene therapies (CGTs) and other potential high-cost medications.

High-Cost Pharmacy Risk Corridor

Some Medicaid members have conditions requiring very expensive drug treatments. These members are infrequent and not evenly distributed among the CCOs. To help mitigate the CCO's risk, the state is continuing the high-cost pharmacy risk corridor started in SFY 2024, subject to CMS approval. The risk corridor is applicable to total drug spend and related costs due to administration and monitoring for specified products of \$250,000 or more per year at a member level. Table 24 below, as well as Exhibit 14A, include a PMPM estimate of the costs that will be covered in the high-cost pharmacy risk corridor specific to each rate cell. Please see Exhibits 14C and 14D for the detailed calculations of the high-cost pharmacy targets below. The actual costs from the CCOs will be compared to these estimated costs for the settlement calculations.

Table 24 Mississippi Division of Medicaid SFY 2025 High-Cost Pharmacy Risk Corridor	
Rate Cell	SFY 2025 High-Cost Pharmacy Target PMPM
Non-Newborn SSI / Disabled	\$34.81
Breast and Cervical Cancer	\$0.00
MA Adult	\$0.64
Pregnant Women	\$0.00
SSI / Disabled Newborn	\$0.47
Non-SSI Newborns 0 to 2 Months	\$29.66
Non-SSI Newborns 3 to 12 Months	\$17.24
Foster Care	\$5.05
MYPAC	\$0.00
MA Children	\$4.53
Quasi-CHIP	\$0.00
Total	\$8.69

Table 25 summarizes the share of gains and losses relative to the estimated high-cost pharmacy costs for each party.

Table 25 Mississippi Division of Medicaid Proposed High-Cost Pharmacy Risk Corridor Parameters		
CCO Gain / Loss	CCO Share of Gain / Loss in Corridor	DOM Share of Gain / Loss in Corridor
Less than -6.0%	0%	100%
-6.0% to -3.0%	50%	50%
-3.0% to +3.0%	100%	0%
+3.0% to +6.0%	50%	50%
Greater than +6.0%	0%	100%

The high-cost pharmacy risk corridor will be implemented using the following provisions:

- Estimated high-cost pharmacy costs are calculated separately for each rate cell based on the expected mix of high-cost products.
- Each rate cell’s actual high-cost pharmacy costs will include payments made for the following:
 - All drugs billed as medical claims with a HCPCS code that starts with the letter “J.”
 - Inpatient stays for the administration and monitoring for select gene therapies and other select products. The estimated pharmacy costs included in the high-cost risk corridor include the following; however, DOM will monitor and revise the list of approved products if additional products are covered by DOM for use during SFY 2025.
 - Lyfgenia
 - Casgevy
 - Zynteglo
- The timing of the initial and final high-cost pharmacy risk corridor settlements are outlined below.
 - The initial settlement will occur after the contract year is closed, using six months of runoff.
 - The final settlement will occur once the MLR audit has been completed. MLR audits are usually completed 12 to 18 months after the close of the SFY.
- The 91.3% minimum MLR provision (Federal MLR definition) in the CCO contract will apply after the high-cost pharmacy risk corridor settlement calculation.

STEP 10: OTHER PROGRAM CONSIDERATIONS

Minimum MLR Requirement

The program includes a minimum federal MLR requirement of 91.3% of revenue. The sum of medical expenses and HCQI expenses must meet or exceed 91.3% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 91.3% threshold is not met, CCOs return revenue to DOM until the threshold is met.

Value-Based Payment Incentive Program

Effective July 1, 2024, DOM will implement a value-based payment incentive program (VBP) as part of the MississippiCAN contract. In alignment with DOM’s Comprehensive Quality Strategy the VBP will target three primary focus areas: maternal health, metabolic health, and mental health.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

- **Maternal Health.** Mississippi has the highest maternal mortality rate in the country with 82 maternal deaths per 100,000 births. Mississippi also has the highest percentage of births by black mothers (42% of all births) in the country, which is significant given that black women have higher mortality rates than any other racial or ethnic group.
- **Metabolic Health.** Nationally, obesity rates have risen, and obesity is a significant contributor to a host of conditions, such as type II diabetes, hypertension, coronary artery disease, stroke, and many others. Mississippi has the sixth highest obesity rate in the country with more than 39% of its residents being obese. Additionally, the percentage of the Mississippi Medicaid population that is considered to be obese is estimated to be higher than the state average with obesity rates being higher among individuals with lower income.
- **Mental Health.** Mental health has an impact on physical health. For example, depression increases the risk for many conditions, such as diabetes, heart disease, and stroke. Mississippi was ranked 47th in the nation for access to mental health services. Additionally, mental health conditions have been shown to contribute to a large proportion of pregnancy-related deaths (23%).

The program will consist of associated quality measures, payment arrangements and amounts, as determined and defined by DOM, which promote quality in the delivery of services. DOM will leverage the Health Care Payment Learning & Action Network (LAN) Framework that characterizes payment models. Within this framework, the progression of payment models is tied to cost and quality and progress from fee-for-service models in Category 1 to population-based payments at Category 4. Similarly, the VBP will be phased in, such that a portion of incentives are tied to pay for reporting on the implementation of redesigned systems and performance measures (Category 2B) and will transition to pay for performance (Category 2C), while a portion of incentives will begin as pay for performance.

While the program launch is July 1, 2024 to align with the CCO contract start date, the first performance period will be based on CY 2024 data and will be reported in July 2025. Each subsequent program year will be based on the calendar year and reported annually in July.

For SFY 2025, the following performance measures are to be assessed and incentivized:

1. Severe Maternal Morbidity Risk Assessment – Part A: Assessment Completion, and Part B: Timely Follow-up.
2. Low-risk Cesarean Delivery (LRCD-CH).
3. Antidepressant Medication Management (AMM-AD).
4. Diabetes Screening for People with Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medication (SSD-AD).

Severe Maternal Morbidity (SMM) includes the unexpected outcomes of labor and delivery that result in significant short- or long-term consequences to a woman's health. To manage poor outcomes, Mississippi will use diagnostic information to develop a maternal health risk assessment to be used by hospitals at time of discharge. Based upon the Mississippi Outcomes for Maternal Safety (MOMS) score assigned to the beneficiary at the time of discharge, required interventions will be employed to ensure follow-up care within specified timeframes. Incentives will be based initially upon reporting on assessment and follow-up implementation activities (e.g., technology infrastructure), then transition to pay for reporting performance, and in future performance years, transition to pay for performance.

The new VBP program builds upon the current CCO incentive withhold program as a quality-based incentive (i.e., bonus) payment in addition to the CCO's monthly capitation rates. Under the VBP program, each CCO will be eligible to receive additional funds over and above base capitation rates. Monetary incentives will not exceed one-half percent (.5%) above the capitation payment and, as such will not be in excess of 105% of the approved capitation payments in accordance with 42 C.F.R. § 438.6(b). The introduction of the VBP program does not impact how capitation rates were calculated for SFY 2025.

DOM will apply a weighted percentage of the eligible incentive allocation and each measure will be evaluated separately for payment.

Pay for performance incentives will be based on statewide performance targets. Targets will be defined by DOM using nationally available benchmarks where available and align to the CCO incentive withhold program, as applicable. Failure to meet a measure target will result in no incentive being paid for that measure. There will be no partial incentive payments awarded.

The payment model will recognize the contributions of CCOs, hospitals and other providers, through the distribution of incentive payments to the CCOs that are then shared as applicable and in proportions as set by DOM. In exchange for incentives created through the VBP, CCOs, hospitals, and other providers are expected to collaborate with one another, utilizing care management and other available tools to ensure that performance targets set by DOM are met. At DOM's discretion, additional incentives for CCOs may include priority in CCO auto-enrollment, with higher performing CCOs having the potential to be assigned auto-enrolled members at a higher percentage rate.

Upon collection of data in July of each year, DOM will review actual performance to target performance to calculate measure achievement. Based on performance achieved, incentive payment will be calculated. CCOs will receive a performance report indicating performance and payment achieved. CCOs will have an opportunity to review and request information or a reconsideration of payments applied. DOM will then finalize and release incentive payments. The timeline will align with the CCO incentive withhold program and allows six months after the calendar year to gather, review and analyze the applicable data. CCOs are then expected to share incentives with hospitals and other providers based on program requirements.

EXHIBITS 1 THROUGH 15

(Provided in Excel Format Only)

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 4, 2024

APPENDIX A

SFY 2025 Rate Cell Definitions

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 4, 2024

APPENDIX A

SFY 2025 RATE CELL DEFINITIONS

This section of our report outlines the rate cell definitions to be used for SFY 2025 for the populations addressed in this report. These definitions are summarized in Table 1 below. Capitation rate cells for SFY 2025 were kept consistent with the SFY 2024 capitation rate cells. Previously the MA Adult and Pregnant Women rate cells included an additional breakout of delivery service costs in Exhibit 2, which has been removed now that level of detail is provided for delivery costs as part of the service category breakouts.

Table 1 Mississippi Division of Medicaid Rate Cell Definitions			
Rate Cell Grouping for Assumption Development	Rate Cell	Age Requirement	Category of Eligibility (COE)
Children	SSI / Disabled Newborns	Ages 0 to 12 months (13-month duration)	001, 019
Children	Non-SSI Newborns – age 0 to 2 months	Ages 0 to 2 months (3-month duration)	003, 026, 071, 088
Children	Non-SSI Newborns – age 3 to 12 months	Ages 3 to 12 months (10-month duration)	003, 026, 071, 088
Children	MA Children	Ages 1 to 19	072, 073
Children	Quasi-CHIP	Ages 1 to 19	074
Children	MYPAC ¹	Ages 1 to 20	N/A, Lckn_cd = SED
Children	Foster Care	Ages 1+	003, 026
Adult	Pregnant Women	Ages 8 to 64	088
Adult	MA Adult	Ages 19+	075
SSI	Non-Newborn SSI / Disabled	Ages 1+	001, 019, 025
SSI	Breast and Cervical Cancer	N/A	027

¹ MYPAC rate cell is defined using the 'SED' lock-in code along with claims and eligibility information due to issues with the 'SED' lock-in code after July 1, 2021.

All rate cell eligibility excludes the following individuals not enrolled in MississippiCAN:

- Retroactive membership
- Dual eligible members
- Institutionalized beneficiaries in a long-term care facility
- Individuals in the following waiver programs: WAL, WED, WMR, or WTB

Additionally, fee-for-service (FFS) eligibility and claims data will be used to summarize experience for members with hemophilia or Von Willebrand disease in CY 2022 who will be enrolled in MississippiCAN during SFY 2025 and to review acuity differences due to enrollment shifts between FFS and MississippiCAN during the COVID-19 Public Health Emergency (PHE).

GEOGRAPHIC REGIONS

DOM uses regional payments to better reflect enrollment for CCOs that enroll a disproportionate number of members from higher-cost or lower-cost regions of the state. DOM uses the three regions of North, Central, and South based on the county where a beneficiary lives. Table 2 displays the counties included in each region.

APPENDIX A

SFY 2025 RATE CELL DEFINITIONS

Table 2 Mississippi Division of Medicaid Geographic Regions by County		
North Region	Central Region	South Region
Alcorn	Calhoun	Adams
Attala	Chickasaw	Amite
Benton	Choctaw	Covington
Bolivar	Claiborne	Forrest
Carroll	Clarke	Franklin
Coahoma	Clay	George
DeSoto	Copiah	Greene
Grenada	Hinds	Hancock
Holmes	Issaquena	Harrison
Humphreys	Jasper	Jackson
Itawamba	Kemper	Jefferson
Lafayette	Lauderdale	Jefferson Davis
Lee	Leake	Jones
LeFlore	Lowndes	Lamar
Marshall	Madison	Lawrence
Montgomery	Monroe	Lincoln
Panola	Neshoba	Marion
Pontotoc	Newton	Pearl River
Prentiss	Noxubee	Perry
Quitman	Okitbbeh	Pike
Sunflower	Rankin	Stone
Tallahatchie	Scott	Walthall
Tate	Sharkey	Wayne
Tippah	Simpson	Wilkinson
Tishomingo	Smith	
Tunica	Warren	
Union	Webster	
Washington	Winston	
Yalobusha	Yazoo	

To determine a beneficiary's county, we used the following approach:

- County code included on a beneficiary's enrollment record in a given month.
- Absent (a), we mapped zip codes in the enrollment file to counties. In cases where a zip code is present in more than one county, we assumed that a zip code maps to a given county if:
 - The zip code shows up most frequently for a given county in the enrollment file (assuming a minimum of five occurrences).
 - Census information indicating the portion of a zip code's population that resides in each county. County is assigned to a zip code based on the county that includes the largest portion of a zip code's population.

If a beneficiary could not be assigned to a region, we excluded their eligibility and claim experience from the base data. This accounts for less than 0.4% of all current MississippiCAN eligible members in CY 2022.

APPENDIX B

Data Sources and Processing

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 4, 2024

APPENDIX B

DATA SOURCES AND PROCESSING

A number of data sources are used to develop the base data for the SFY 2025 MississippiCAN capitation rates.

- Medicaid eligibility data
- FFS claim data
- CCO encounter data
- CCO financial data

CY 2022 experience forms the primary base data for the SFY 2025 capitation rates.

This section of the report outlines each data source and steps to process the data.

MEDICAID ELIGIBILITY

DOM's MMIS vendor provided detailed Medicaid eligibility data for CY 2022. Before analyzing claims, we pared down the eligibility data to groups that are eligible to enroll in MississippiCAN, as defined in Appendix A of our report. In order to isolate data only for this group, we applied various filters as described in the rest of this appendix.

We relied upon the 'CAN' lock-in code for each eligibility span to include individuals enrolled in MississippiCAN in the base period. This assumes that MMIS-calculated enrollment criteria in the base period is consistent with how it will be applied for SFY 2025 capitation rate payments. In addition, this removes opt-outs from voluntary populations (SSI children and Mississippi Band of Choctaw Indians) from the base data used to develop capitation rates.

In addition, adjustments were made for the removal of retroactive eligibility periods and records not able to map to a geographic area.

Removal of Retroactive Eligibility Periods

Beneficiary enrollment in the FFS program can occur retroactively. When some individuals apply and qualify for Medicaid coverage, DOM reimburses claims, which occurred during the retroactive qualification period prior to their application. DOM backdates the eligibility of the individual to accommodate the retroactive coverage.

There is also a lag between the first date of eligibility and the date of enrollment in a CCO because Medicaid eligibility begins on the first day of the month in which the application was received. Once a Medicaid beneficiary signs up for a CCO, they will be enrolled on the first day of the subsequent month. The retroactive enrollment period is not covered by the CCO, so we removed retroactive eligibility included in the data provided to us using the following criteria:

- Eligibility months prior to the date that a beneficiary was added to the Medicaid enrollment file were removed. For example, if a beneficiary is active January 15, 2022, but they were added to the enrollment file February 1, 2022, we only included data on or after February 1, 2022 to exclude any retroactivity that may have occurred.

As of December 2015, newborns are enrolled in MississippiCAN at the time of their birth. Therefore, the retroactive eligibility exclusion is not applicable to these populations.

Geographic Area

If a beneficiary could not be assigned to a region, we excluded them from the base data. This accounts for less than 0.4% of all current MississippiCAN eligible member months in CY 2022. See Appendix A for additional information on the assignment of a geographic region.

FFS DATA

FFS claims are provided by DOM's MMIS vendor. These claims include any populations and / or services not included in MississippiCAN. We reviewed the FFS data for reasonability for several considerations, including the following, and verified it was consistent with monthly DOM cost reporting:

- Monthly claim counts per member
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Monthly units and payments by rate cell

APPENDIX B

DATA SOURCES AND PROCESSING

ENCOUNTER DATA

Encounter claims are included in the data provided by DOM's MMIS vendor. This data represents the actual amounts paid to the provider, so no repricing was done as part of the development of capitation rates. A claim processed by a CCO and submitted to DOM can be identified in the data based on the `cde_claim_ffs_enc` field. A value of 'E' in this field denotes an encounter claim. Please note, field names may vary from those provided in the encounter data submission from the CCOs.

For all service categories we used CY 2022 encounter data with runout through June 2023.

Only encounter claims for members flagged as a MississippiCAN enrollee in the eligibility data were included in the base data. Encounter claims which failed to be mapped to a MississippiCAN CCO enrollee were removed.

CCO encounters are rigorously vetted by Myers and Stauffer as part of their reconciliation of encounters against CCOs' cash disbursement journals (CDJs). As part of this reconciliation, Myers and Stauffer identifies encounter claims that are duplicates, voids, or replacements for other encounter claims. Myers and Stauffer shares these findings with CCOs at a claim level to ensure they are accurately determining the final, non-duplicated version of each paid claim. As a result of their analysis, Myers and Stauffer are able to reconcile closely to the CCOs' CDJs (historically within 0.5% on a paid basis). We use summaries provided by Myers and Stauffer to identify final, non-duplicative claims consistent with their CDJ reconciliation.

Lastly, the encounter data is run through Milliman's *Health Cost Guidelines*TM (HCGs) grouper to map the encounter data into detailed categories of service. These categories of service are then rolled up into eleven high level categories of service used for rate development. This mapping from detailed category of service to broad category of service is included as Exhibit 2.

After processing the data, we review the encounter data for several considerations, including:

- Monthly encounter counts per member (including and excluding \$0 payments)
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Quarterly units and payments relative to financials by COS
- Frequency of diagnosis completion by COS

Removal of Pharmacy Benefit Administered Claims

Starting in July 2024, DOM expects to enter into an arrangement with their Pharmacy Benefits Administrator (PBA) in which certain pharmacy claims will be paid through the PBA. As such, we identified and removed the associated pharmacy claims from the CY 2022 base data for the purpose of developing SFY 2025 capitation rates. These claims were identified and removed using the follow logic:

- Claim Type equal to "P" or "Q"

FINANCIAL REPORTING DATA

For base data development, each CCO submitted a financial report reconciled to their organization's audited CY 2022 financial statements for Mississippi. Reports were submitted for CY 2022 including earned premium, claim experience with run out through June 2023 for CY 2022 data, best estimate IBNR claim amounts, subcapitated arrangements, non-service expenses, and membership. The reported membership was close in total to the MMIS enrollment, so we utilized the MMIS enrollment for rate development.

We worked with each CCO to validate that their reports were filled out consistently with the category of service and non-medical definitions used in the capitation rate development. Adjustments were made to the original submissions to help align these definitions.

CLAIMS ABOVE STATE-PLAN COVERED SERVICE LIMITS

When processing encounter data, we identify claims above Mississippi's state-plan covered service limits. These services are provided by some CCOs as an expanded benefit. However, as they are not state-plan-covered, these services are excluded from the base data when setting capitation rates. We identified three types of benefits offered by

APPENDIX B

DATA SOURCES AND PROCESSING

CCOs that are above state-plan covered service limits, described below. Children receiving EPSDT services, identified as individuals under the age of 21, are exempt from the service limits described below.

- **Physician Visits** – Members are limited to 16 physician visits within a state fiscal year. This limit is applied separately for psychiatric and non-psychiatric visits.

To identify physician visits, claims are required to have a claim type of “M” (Professional). Additionally, the claim must have one of a list of specific procedure codes. Exhibits 15A and 15B show the required procedure codes for non-psychiatric and psychiatric physician visits, respectively. Due to issues identifying claims at this level of detail within the CY 2022 data we are estimating the value of physician visits above the limit based on percentages from the CY 2021 data used for SFY 2024 capitation rate development.

- **Home Health Visits** – Up to 36 home health visits per state fiscal year are covered under Mississippi’s state plan. Home health visits are identified as claims with a claim type of “H” (Home Health) and a revenue code of 421, 441, 551, 571, or 589.

APPENDIX C

CMS Managed Care Rate Setting Guide Response

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 4, 2024

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

I. RESPONSES TO 2024-2025 CMS MANAGED CARE RATE DEVELOPMENT GUIDE

SECTION I. MEDICAID MANAGED CARE RATES

1. General Information

- Rate period – This report documents and certifies capitation rates in effect from July 1, 2024 to June 30, 2025 (SFY 2025).
- Actuarial rate certification – See Appendix D.
- Final capitation rates – See Exhibit 4.
- Program descriptions – Please refer to the following sections:
 - Section II – MississippiCAN program background
 - Appendix A – Rate cell definitions
 - Section IV: Step 5 – Background on the quality withhold applied in SFY 2025
- Medical Loss Ratio (MLR) – The program includes a minimum MLR requirement of 91.3% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses must meet or exceed 91.3% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 91.3% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices. Please see Section IV Step 10 for more information about the minimum MLR requirement. Prior MLR experience is considered when developing trends for the capitation rates. Please see Section IV Step 1 for information on trend setting.
- Federal Medical Assistance Percentage (FMAP) – DOM receives an enhanced FMAP for COVID-19 vaccination administration fees (through September 30, 2024), family planning services, breast and cervical cancer services, Indian health services, home health services, rehabilitation services, private duty nursing services, and Quasi-CHIP members that prior to the Affordable Care Act were covered under the CHIP program. Any differences in capitation rates according to covered populations are based on valid rate development standards and not based on the FMAP associated with the covered populations.
- Cross-subsidies – Rate cells do not cross-subsidize other rate cells.
- Rate change from SFY 2024 capitation rates – See Section I.
- Known rate amendments – The capitation rates included in this report will require recertification to account for the following:
 - CCO specific MHAP, MAPS, and TREAT payments made to providers. This initial certification includes a PMPM estimate of these amounts across all CCOs in Exhibit 13. We anticipate that this adjustment will be submitted by February 2026.
 - Final charge trends for inpatient, outpatient, and certain physician services as calculated by DOM's payment methodology development vendor.
 - Population adjustments related to procedural changes in presumptive eligibility or passive enrollment starting in SFY 2025.
- Impact of COVID-19 – See Section I.

2. Data

- Service and enrollment data sources – See Appendix B.
- Validation and quality adjustments – See Section III for encounter data and financial reporting validation.

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

- Changes in data sources – SFY 2025 capitation rates use CY 2022 CCO encounter and financial data as the base period data sources. SFY 2024 capitation rates used CY 2021 CCO encounter and financial as the base period data sources. Please see section III.
- Potential Future Data improvements – We anticipate no major enhancements to data collection in the future.
- Other data adjustments – None.
- Data reliance – See Appendix E.

3. Projected Benefit Costs and Trends

- Assumptions used to project benefit costs do not vary based on the rate of federal financial participation associated with the covered populations. A summary of program, population, and reimbursement changes is included in Exhibit 10. No changes were determined to be immaterial and separate rating adjustments are applied to estimate the impact of the changes between the base data and rating period.
- Overpayments to providers – Section III summarizes recoveries for overpayments to providers by CCOs and how these recoveries are accounted for when summarizing the base data used to develop SFY 2025 capitation rates.
- Projected benefit cost trends:
 - Annual trend assumptions – Section IV: Step 1 outlines the trend assumptions from CY 2022 to the rating period. Please refer to Exhibits 7A to 7E for more information. Negative unit cost trends for CY 2022 to the rating period for inpatient hospital services shown in Table 9 are due to decreases in fee schedules over time.
 - Reimbursement changes – Section IV: Step 2 describes the reimbursement changes between the base period and rating period.
- Mental Health Parity and Addiction Equity Act – No additional services were necessary to add to the program to achieve compliance with the act.
- In-lieu-of services – CCOs do not provide any material amounts of in-lieu-of services.
- Retrospective eligibility periods – No consideration for retroactive eligibility periods is included in the base data or rate development, because such services are covered under FFS.
- Changes in covered services and benefits: There are four benefit changes between the base period and the rate year:
 - Expansion of postpartum coverage for pregnant women from 60 days to 12 months (described in Section IV, Step 2).
 - Members diagnosed with Hemophilia or Von Willebrand disease are now covered as part of the MississippiCAN program (described in Section IV, Step 2).
 - Zolgensma is included as a covered therapy after carved out prior to SFY 2024 (described in Section IV, Step 2).
 - Effective July 1, 2024 pharmacy services will be paid by DOM's pharmacy benefit administrator (PBA) (removed from base data as described in Section III).
- Other adjustments:
 - A population change adjustment was applied to reflect that some children in the Non-Newborn SSI / Disabled rate cell were historically moved into FFS after a PRTF stay. Starting in SFY 2022, these individuals will remain in the MississippiCAN program. This adjustment was applied in Section III.

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

- Area relativity factors – Please see Section IV: Step 4 for a discussion of the area factor development for the North, Central, and South regions.
- Final projected benefit costs – See Exhibit 4.
- Conditions of any litigation to which the state is subjected – Not applicable; no impact on rates.

4. Special Contract Provisions Related to Payment

- Incentive Arrangements – In SFY 2025, CCOs will have the opportunity to earn up to 0.5% of revenue based on performance in the Value Base Payment (VBP) program. Payments to CCOs will be based on their performance across three primary focus areas: maternal health, metabolic health, and mental health. Please see Section IV Step 10 for more information.
- Withhold Arrangements – A quality withhold will be implemented for the SFY 2025 capitation rates. Please see Section IV: Step 5 for a description of the quality withhold.
- Risk sharing.
 - The program includes a minimum MLR requirement of 91.3% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses, must meet or exceed 91.3% of revenue. Revenue for premium taxes are excluded from the MLR calculation. If the 91.3% threshold is not met, MCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices. Please see Section IV Step 10 for more information on the minimum MLR requirement.
 - For SFY 2025 the program is subject to a high-cost pharmacy risk corridor. Please see Section IV: Step 10 for details of the implementation of this risk corridor.
 - Any risk-sharing arrangements are consistent with pricing assumptions and no remittance / payment is calculated using pricing assumptions.
- Delivery System and Provider Payment Initiatives – Not applicable.
- State Directed Payments.

The SFY 2025 capitation rates included in this certification reflect three directed payment arrangements that will be in effect for SFY 2025 as described in Section IV, Step 8. The necessary information for the three state directed payment arrangements included in these preliminary capitation rates is summarized below.

Summary of All State Directed Payments			
Control Name of the State Directed Payment	Type of Payment	Brief Description	Is the Payment Included as a Rate Adjustment or Separate Payment Term?
MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630	Uniform dollar or percentage increase	Enhanced hospital reimbursement for inpatient and outpatient hospital services for qualifying facilities	Separate payment term
MS_Fee.VBP_AMC_Renewal_20240701-20250630	Uniform dollar or percentage increase	Enhanced payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital	Separate payment term
MS_Fee_Oth_Renewal_20240701-20250630	Uniform dollar or percentage increase	Enhanced reimbursement for ambulance providers	Separate payment term

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

Summary of State Directed Payments Included as a Separate Payment Term					
Control Name of the State Directed Payment	Aggregate Amount Included in the Certification	Statement that the Actuary is Certifying the Separate Payment Term	The Magnitude on a PMPM Basis	Confirmation the Rate Development is Consistent with the Preprint	Confirmation that the State and Actuary will Submit Required Documentation at the End of the Rating Period
MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630	FSA component of MHAP: \$719.7 million QIPP component of MHAP: \$820.7 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 16	Confirmed	Confirmed
			FSA component of MHAP: allocated across rate cells based on projected IP / OP spend. 60% is allocated based on projected IP spend and 40% is allocated based on projected OP spend. Ranges from \$42.20 to \$4,892.93 PMPM.		
			QIPP component of MHAP: allocated as a fixed PMPM of \$158.91 across all rate cells.		
MS_Fee.VBP_AMC_Renewal_20240701-20250630	\$29.5 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 16 Allocated as a fixed PMPM of \$5.72 across all rate cells	Confirmed	Confirmed
MS_Fee_Oth_Renewal_20240701-20250630	\$25.3 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 16 Allocated as a fixed PMPM of \$4.90 across all rate cells	Confirmed	Confirmed

All services covered under the MississippiCAN program are subject to a minimum fee schedule of the FFS rate. This minimum fee schedule is set in accordance with the provisions of §438.6(c). It is our understanding that this type of minimum fee schedule does not necessitate prior approval from CMS and no preprint is required.

DOM has confirmed that there are no additional directed payments in the program that are not addressed in the certification.

DOM has also confirmed that there are no requirements regarding the reimbursement rates the managed care plans must pay to any providers unless specifically specified in the certification as a state directed payment or authorized under applicable law, regulation, or waiver.

- Pass Through Payments – Not applicable.

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

5. Projected Non-Benefit Costs

- Assumptions used to project non-benefit costs do not vary based on the rate of federal financial participation associated with the covered populations.
- Administrative cost data, projected costs, premium tax and margin – See Section IV: Step 3.
- Historical non-benefit costs – CY 2022 administrative costs for the three CCOs were \$34.70 PMPM, as reported on the audited financial templates. Please see Section IV: Step 3 for a description of adjustments applied to this base data to project the SFY 2022 administrative allowance.

6. Risk Adjustment and Acuity Adjustments

- Risk adjustment – See Section IV: Step 6. A custom risk adjustment model will be developed for the MA Children, Quasi-CHIP, MA Adult, and Non-Newborn SSI / Disabled rate cells using the Chronic Disability Payment System (CDPS) model.

A custom risk adjustment model will be developed for the Foster Care rate cell using information from members' enrollment information.

- Acuity Adjustments – See Section IV: Step 2 for a description of the acuity adjustment applied to reflect changes in member acuity from CY 2022 to SFY 2025.

SECTION II. MEDICAID MANAGED CARE RATES WITH LONG-TERM SERVICES

This section does not apply as MississippiCAN is not a long-term care service program.

SECTION III. NEW ADULT POPULATION CAPITATION RATES

This section does not apply as the state of Mississippi has not expanded coverage as a result of the Affordable Care Act.

APPENDIX D

Actuarial Certification of SFY 2025 MississippiCAN Capitation Rates

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 4, 2024



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

jill.bruckert@milliman.com

December 4, 2024

**Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2025 MississippiCAN Capitation Rates - Update**

I, Jill A. Bruckert, am associated with the firm of Milliman, Inc., am a member of the American Academy of Actuaries, and meet its Qualification Standards for Statements of Actuarial Opinion. I was retained by the Mississippi Division of Medicaid (DOM) to perform an actuarial certification of the Mississippi Coordinated Access Network (MississippiCAN) coordinated care capitation rates for July 1, 2024 to June 30, 2025 (SFY 2025) for filing with the Centers for Medicare and Medicaid Services (CMS). This certification is an update to the SFY 2025 certification dated September 6, 2024.

I reviewed the capitation rate development and am familiar with the following regulation and guidance:

- The requirements of 42 CFR §438.3(c), 438.3(e), 438.4, 438.5, 438.6, and 438.7
- CMS "Appendix A, PAHP, PIHP, and MCO Contracts Financial Review Documentation for At-risk Capitated Contracts Ratesetting dated November 10, 2014"
- 2024 to 2025 Medicaid Managed Care Rate Development Guide
- Actuarial Standard of Practice 49 and other applicable standards of practice

I examined the actuarial assumptions and actuarial methods used in setting the capitation rates for SFY 2025 dated December 4, 2024 and accompanying this certification.

To the best of my information, knowledge, and belief, for the SFY 2025 period, the capitation rates offered by DOM are in compliance with the relevant requirements of 42 CFR 438.4. The attached actuarial report describes the capitation rate setting methodology. Please note, as outlined in the cover letter of the report, there are a number of outstanding program changes that will be incorporated into an update to SFY 2025 capitation rates.

In my opinion, the capitation rates are actuarially sound, as defined in Actuarial Standard of Practice 49, were developed in accordance with generally accepted actuarial principles and practices, and are appropriate for the populations to be covered and the services to be furnished under the contract. This certification includes all prospective health plan payments, as well as the components of the MHAP, MAPS, and TREAT programs that will be settled retrospectively.

In making my opinion, I relied upon the accuracy of the underlying claim and eligibility data records and other information prepared by DOM and participating CCOs. I did not audit the data and calculations, but did review them for reasonableness and consistency and did not find material defects. In other respects, my examination included such review of the underlying assumptions and methods used and such tests of the calculations as I considered necessary. The reliance letter from DOM is included in Appendix E of the rate report issued on December 4, 2024.

Actuarial methods, considerations, and analyses used in forming my opinion conform to the appropriate Standards of Practice as promulgated from time-to-time by the Actuarial Standards Board, whose standards form the basis of this Statement of Opinion.

It should be emphasized that capitation rates are a projection of future costs based on a set of assumptions. Actual costs will be dependent on each contracted coordinated care organization's situation and experience.



Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2025 MississippiCAN Capitation Rates
December 4, 2024
Page 2 of 2

This Opinion assumes the reader is familiar with the MississippiCAN program, Medicaid coordinated care programs, and actuarial rating techniques. The Opinion is intended for the State of Mississippi and the Centers for Medicare and Medicaid Services and should not be relied on by other parties. The reader should be advised by actuaries or other professionals competent in the area of actuarial rate projections of the type in this Opinion, so as to properly interpret the projection results.

A handwritten signature in black ink, reading 'Jill A. Bruckert', positioned above a horizontal line.

Jill A. Bruckert
Member, American Academy of Actuaries
Principal and Consulting Actuary
December 4, 2024

APPENDIX E

Data Reliance Letter

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

December 4, 2024

OFFICE OF THE GOVERNOR

Walter Sillers Building | 550 High Street, Suite 1000 | Jackson, Mississippi 39201



MISSISSIPPI DIVISION OF
MEDICAID

November 21, 2024

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary
Milliman, Inc.
17335 Golf Parkway, Suite 100
Brookfield, WI 53045

Re: Data Reliance for Actuarial Certification of SFY 2025 MississippiCAN Capitation Rates

Dear Jill:

I, Jennifer Wentworth, Chief of Staff for the Mississippi Division of Medicaid (DOM), hereby affirm that the data prepared and submitted to Milliman, Inc. (Milliman) for the purpose of certifying MississippiCAN capitation rates was prepared under my direction and, to the best of my knowledge and belief, is accurate, complete, and consistent with the data used to develop the capitation rates. Capitation rates are effective July 1, 2024 to June 30, 2025.

Provided data or information used in the development of the capitation rates includes:

1. Data from DOM's Medicaid Management Information Systems (MMIS) vendor (Gainwell):
 - a. Encounter claims through June 2023.
 - b. Medicaid eligibility through June 2023.
2. Data from DOM's vendor Myers and Stauffer:
 - a. Detailed encounter claim status reports, including identification of duplicative or voided claims through August 30, 2024.
3. Supporting documentation provided by DOM:
 - a. Data identification logic:
 - i. Logic for identifying members eligible for the MYPAC rate cell.
 - ii. Logic for identifying members with hemophilia.
 - iii. Logic for identifying Institution for Mental Disease (IMD) facilities.

Jill A. Bruckert, FSA, MAAA
Milliman, Inc.
November 21, 2024
Page 2 of 4

iv. Logic for identifying claims above state plan covered service limits.

b. Reimbursement and / or program changes:

i. SB 2799 passed April 19, 2021.

1. Preventative and diagnostic dental reimbursement increases of 5% effective July 1, 2022 and July 1, 2023.
2. Fee schedules frozen effective July 1, 2021.

ii. HB 657 signed into law on April 19, 2022.

1. Restorative dental reimbursement increases of 5% effective July 1, 2022, July 1, 2023, and July 1, 2024.
2. Ability to change fee schedules with legislative review. DOM will update reimbursement for the following provider types.
 - a. Physician fee schedules effective July 1, 2022.
 - b. Inpatient and outpatient fee schedules effective July 1, 2023.

iii. SB 2212 signed into law on March 16, 2023.

1. Postpartum coverage for eligible members extended from 60 days to 12 months.

iv. Professional, inpatient DRG, and outpatient APC fee re-pricing impacts for July 2022 and July 2023 prepared by Conduent.

v. Professional, inpatient DRG, and outpatient APC fee re-pricing impacts for July 2023 and July 2024 prepared by Myers & Stauffer.

vi. Estimates of uptake rates of certain gene therapies used to treat Hemophilia A, Hemophilia B, Sickle Cell Disease, Beta-Thalassemia, and Duchene Muscular Dystrophy.

vii. Confirmation that Zolgensma will be included in the capitation rate for SFY 2025.

viii. Fee schedule updates for the following categories of service:

Jill A. Bruckert, FSA, MAAA
Milliman, Inc.
November 21, 2024
Page 3 of 4

1. Psychiatric Residential Treatment Facilities (PRTF) – January 2023 and January 2024
 2. Ambulatory Surgical Center (ASC) – October 2023 and January 2024
 3. Autism Spectrum Disorder (ASD) – January 2023
 4. Orthodontia Services – October 2023
 5. Behavioral Health Services – July 2023
 6. MYPAC Services – November 2023
 7. Home Health Agency (HHA) Services – October 2024
 8. Prescribed Pediatric Extended Care (PPEC) Services – October 2022
 9. Private Duty Nursing (PDN) Services – October 2022 and July 2023
- ix. CY 2022 fee schedules for the following categories of service:
1. Psychiatric Residential Treatment Facilities (PRTF)
 2. Ambulatory Surgical Center (ASC)
 3. Autism Spectrum Disorder (ASD)
 4. Orthodontia Services
 5. Behavioral Health Services
 6. MYPAC Services
 7. Home Health Agency (HHA) Services
 8. Prescribed Pediatric Extended Care (PPEC)
 9. Private Duty Nursing (PDN)
- c. Directed payments:
- i. SFY 2025 Mississippi Hospital Access Program (MHAP) total funding amount of \$1,540,423,694 along with splits for a quality incentive payment pool (QIPP) amount of \$820,744,321, the inpatient fee schedule adjustment (FSA)

Jill A. Bruckert, FSA, MAAA
 Milliman, Inc.
 November 21, 2024
 Page 4 of 4

amount of \$431,807,624, and the outpatient FSA amount of \$287,871,749 to be used in capitation rate development.

- ii. SFY 2025 Mississippi Medicaid Access to Physician Services (MAPS) funding amount of \$29,526,177.
- iii. SFY 2025 Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) funding amount of \$25,285,224.
- d. Historical data:
 - i. Files summarizing individuals in the Non-Newborn SSI / Disabled rate cell moved to FFS due to a PRTF stay in CY 2022.
 - ii. MLR reports through December 2023.
- e. Other data:
 - i. Quality withhold parameters for SFY 2025.
 - ii. Value-based payment program parameters for SFY 2025.
 - iii. High-cost drug risk corridor parameters for SFY 2025.
 - iv. Other computer files and clarifying correspondence.

Milliman relied on DOM and their MMIS vendor for the collection and processing of the CCO encounter data. Milliman relied on Myers and Stauffer's review of encounter data for duplicative or voided claims. Milliman relied on the CCOs to provide accurate CY 2022 financial data as certified by each CCO. Milliman did not audit the CCO financial data, or the encounter data, but did assess the data for reasonableness as documented in the capitation rate report.

Jennifer Westworth

Name
Chief of Staff

Title
November 21, 2024

Date

For more information about Milliman,
please visit us at:

milliman.com



Milliman is among the world's largest providers of actuarial and related products and services. The firm has consulting practices in life insurance and financial services, property & casualty insurance, healthcare, and employee benefits. Founded in 1947, Milliman is an independent firm with offices in major cities around the globe.

milliman.com

CONTACTS

Jill Bruckert
jill.bruckert@milliman.com

Katarina Lorenz
katarina.lorenz@milliman.com

Caveats and Limitations
Mississippi Division of Medicaid
READ BEFORE PROCEEDING

Milliman has developed certain models to estimate the values included in these exhibits and appendices. The intent of the models was to estimate SFY 2025 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting for January 2022 to December 2022 with runout through June 2023, historical and projected reimbursement information, fee schedules, and other information from DOM, MississippiCAN CCOs, Change Healthcare, Myers and Stauffer, and CMS to calculate the preliminary MississippiCAN base data shown in exhibits and appendices. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2025 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our exhibits and appendices are intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2025. The exhibits and appendices and the models used to develop the values in these exhibits and appendices may not be appropriate for other purposes. We anticipate the exhibits and appendices will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of these exhibits and appendices are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of these exhibits and appendices are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, these exhibits and appendices are complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1 Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2022 Encounter Data													
Non-Newborn SSI / Disabled Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	720,708	720,708	720,708	720,708	720,708	720,708	720,708	720,708	720,708	720,708	720,708	720,708
b	Total Allowed Dollars	\$1,746,132	\$23,624,663	\$91,947,622	\$22,938,424	\$36,344,710	\$84,770,345	\$381,828	\$32,332,756	\$123,713,195	\$6,641,841	\$42,483,559	\$466,925,075
c = b / a	CY 2022 PMPM Costs	\$2.42	\$32.78	\$127.58	\$31.83	\$50.43	\$117.62	\$0.53	\$44.86	\$171.66	\$9.22	\$58.95	\$647.87
d	MYPAC Member Identification Change	0.991	0.990	1.000	0.999	1.000	1.000	0.992	0.959	0.998	0.997	0.999	0.996
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	0.999
f	Missing Data	1.002	0.999	1.001	1.000	1.002	1.000	1.002	0.999	1.000	0.998	0.994	1.000
g	IBNR Adjustment	1.028	1.026	1.030	1.002	1.002	1.002	1.001	1.001	1.001	1.000	1.006	1.009
h	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.981	1.000	1.000	0.995
i	Remove Zolgensma Claims	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1.000	0.976	0.995	0.999	1.000	1.000	1.000	0.998	1.000	1.000	0.999	0.997
l	IMD Repricing	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.148	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.002	1.000	1.008
Product of c through m	Adjusted CY 2022 PMPM Costs	\$2.42	\$36.43	\$127.78	\$31.99	\$50.89	\$118.39	\$0.53	\$43.16	\$169.12	\$8.91	\$59.16	\$648.77

Breast and Cervical Cancer Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	961	961	961	961	961	961	961	961	961	961	961	961
b	Total Allowed Dollars	\$0	\$0	\$145,031	\$20,144	\$806,433	\$534,634	\$0	\$6,341	\$842,707	\$8,370	\$38,704	\$2,402,384
c = b / a	CY 2022 PMPM Costs	\$0.00	\$0.00	\$150.92	\$20.96	\$839.16	\$556.33	\$0.00	\$6.60	\$876.91	\$8.71	\$40.28	\$2,498.86
d	MYPAC Member Identification Change	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
e	Encounter to Financial Adjustment	N/A	N/A	0.979	1.007	1.007	1.007	N/A	1.007	1.007	0.971	1.007	1.005
f	Missing Data	N/A	N/A	1.002	1.003	1.002	1.002	N/A	1.003	1.003	0.987	0.995	1.002
g	IBNR Adjustment	N/A	N/A	1.009	1.003	1.003	1.003	N/A	1.002	1.002	1.000	1.003	1.003
h	Non-Covered Services	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	0.993	1.000	1.000	0.998
i	Remove Zolgensma Claims	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
j	TPL Adjustment	N/A	N/A	0.998	0.998	0.998	0.998	N/A	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
l	IMD Repricing	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$0.00	\$0.00	\$149.06	\$21.21	\$846.91	\$561.98	\$0.00	\$6.66	\$879.12	\$8.34	\$40.39	\$2,513.67

Exhibit 1 Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2022 Encounter Data													
MA Adult Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	451.802	451.802	451.802	451.802	451.802	451.802	451.802	451.802	451.802	451.802	451.802	451.802
b	Total Allowed Dollars	\$12,769,641	\$2,434,397	\$13,322,645	\$11,328,871	\$5,810,283	\$27,306,485	\$3,019,032	\$3,857,983	\$48,037,346	\$2,212,633	\$5,487,761	\$135,587,078
c = b / a	CY 2022 PMPM Costs	\$28.26	\$5.39	\$29.49	\$25.07	\$12.86	\$60.44	\$6.68	\$8.54	\$106.32	\$4.90	\$12.15	\$300.10
d	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	1.000
f	Missing Data	1.001	1.003	1.002	1.000	0.987	1.001	1.000	1.000	1.000	0.994	1.129	1.005
g	IBNR Adjustment	1.017	1.016	1.017	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.005	1.005
h	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.987	1.000	1.000	0.995
i	Remove Zolgensma Claims	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1.000	0.987	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000
l	IMD Repricing	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$28.10	\$5.29	\$29.37	\$25.25	\$12.79	\$60.91	\$6.73	\$8.58	\$105.56	\$4.72	\$13.85	\$301.15

Pregnant Women Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	96.821	96.821	96.821	96.821	96.821	96.821	96.821	96.821	96.821	96.821	96.821	96.821
b	Total Allowed Dollars	\$45,126,085	\$143,665	\$638,264	\$2,982,061	\$1,047,266	\$6,133,717	\$11,332,019	\$280,741	\$18,733,372	\$330,787	\$1,072,067	\$87,820,063
c = b / a	CY 2022 PMPM Costs	\$466.08	\$1.48	\$6.59	\$30.80	\$10.82	\$63.35	\$117.04	\$2.90	\$193.48	\$3.42	\$11.07	\$907.04
d	MYPAC Member Identification Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	0.992
f	Missing Data	0.998	1.004	1.002	0.996	0.988	0.993	0.998	1.001	0.997	0.980	1.130	0.999
g	IBNR Adjustment	1.016	1.014	1.017	1.002	1.002	1.002	1.002	1.001	1.002	1.001	1.006	1.009
h	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	1.000	1.000	1.000
i	Remove Zolgensma Claims	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1.000	0.858	1.000	1.000	1.000	1.000	1.000	0.991	1.000	1.000	0.999	1.000
l	IMD Repricing	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$461.96	\$1.26	\$6.57	\$30.91	\$10.77	\$63.36	\$117.58	\$2.89	\$193.88	\$3.25	\$12.64	\$905.07

Exhibit 1 Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2022 Encounter Data													
SSI / Disabled Newborn Rate Cell													
Calculation Step		CY 2022 PMPM Cost Development		Category of Service									
				Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Total
a		CY 2022 Member Months		5,039	5,039	5,039	5,039	5,039	5,039	5,039	5,039	5,039	5,039
b		Total Allowed Dollars		\$14,004,077	\$67,231	\$3,888,917	\$286,736	\$236,674	\$904,274	\$0	\$3,724	\$6,982,000	\$4,653
c = b / a		CY 2022 PMPM Costs		\$2,779.14	\$13.34	\$771.76	\$56.90	\$46.97	\$179.46	\$0.00	\$0.74	\$1,385.59	\$0.92
d		MYPAC Member Identification Change		1,000	1,000	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
e		Encounter to Financial Adjustment		0.979	0.979	0.979	1.007	1.007	1.007	N/A	1.007	1.007	0.971
f		Missing Data		1,003	1,000	1,002	1,002	1,000	1,002	N/A	1,001	1,002	1,003
g		IBNR Adjustment		1,019	1,017	1,016	1,003	1,003	1,003	N/A	1,002	1,001	1,001
h		Non-Covered Services		1,000	1,000	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
i		Remove Zolgensma Claims		1,000	1,000	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
j		TPL Adjustment		0.998	0.998	0.998	0.998	0.998	0.998	N/A	0.998	0.998	0.998
k		IMD Removal		1,000	1,000	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
l		IMD Repricing		1,000	1,000	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
m		SSI Children - COE Change		1,000	1,000	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
Product of c through m		Adjusted CY 2022 PMPM Costs		\$2,772.61	\$13.26	\$768.04	\$57.47	\$47.35	\$181.25	\$0.00	\$0.74	\$1,396.56	\$0.90
Non-SSI Newborns 0 to 2 Months Rate Cell													
Calculation Step		CY 2022 PMPM Cost Development		Category of Service									
				Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Total
a		CY 2022 Member Months		67,578	67,578	67,578	67,578	67,578	67,578	67,578	67,578	67,578	67,578
b		Total Allowed Dollars		\$87,571,946	\$0	\$7,532,674	\$1,541,127	\$151,806	\$1,949,311	\$0	\$9,720	\$29,497,384	\$55,359
c = b / a		CY 2022 PMPM Costs		\$1,295.86	\$0.00	\$111.47	\$22.81	\$2.25	\$28.85	\$0.00	\$0.14	\$436.49	\$0.82
d		MYPAC Member Identification Change		1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
e		Encounter to Financial Adjustment		0.979	N/A	0.979	1.007	1.007	1.007	N/A	1.007	1.007	0.971
f		Missing Data		1,002	N/A	1,003	1,003	1,003	1,003	N/A	1,004	1,002	1,001
g		IBNR Adjustment		1,019	N/A	1,019	1,002	1,002	1,002	N/A	1,002	1,001	1,001
h		Non-Covered Services		1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
i		Remove Zolgensma Claims		1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	0.881	1,000
j		TPL Adjustment		0.998	N/A	0.998	0.998	0.998	0.998	N/A	0.998	0.998	0.998
k		IMD Removal		1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
l		IMD Repricing		1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
m		SSI Children - COE Change		1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000
Product of c through m		Adjusted CY 2022 PMPM Costs		\$1,293.17	\$0.00	\$111.18	\$23.03	\$2.27	\$29.13	\$0.00	\$0.15	\$388.05	\$0.79

Exhibit 1 Mississippi Division of Medicaid All Regions SFY 2023 Mississippi/CAH Capitation Rate Development CY 2022 Encounter Data													
Non-SSI Newborns 3 to 12 Months Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	232,493	232,493	232,493	232,493	232,493	232,493	232,493	232,493	232,493	232,493	232,493	232,493
b	Total Allowed Dollars	\$860,044	\$0	\$8,451,777	\$5,841,876	\$378,487	\$7,349,076	\$0	\$6,433	\$30,767,777	\$290,546	\$1,749,853	\$55,695,868
c = b / a	CY 2022 PMPM Costs	\$3.70	\$0.00	\$36.35	\$25.13	\$1.63	\$31.61	\$0.00	\$0.03	\$132.34	\$1.25	\$7.53	\$238.56
d	MYPAC Member Identification Change	1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000	1,000	1,000
e	Encounter to Financial Adjustment	0.979	N/A	0.979	1.007	1.007	1.007	N/A	1.007	1.007	0.971	1.007	1.002
f	Missing Data	1,003	N/A	1,002	1,003	1,002	1,003	N/A	1,003	1,002	1,001	1,180	1,008
g	IBNR Adjustment	1,048	N/A	1,037	1,003	1,003	1,003	N/A	1,002	1,001	1,001	1,006	1,008
h	Non-Covered Services	1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000	1,000	1,000
i	Remove Zolgensma Claims	1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	0.940	1,000	1,000	0.967
j	TPL Adjustment	0.998	N/A	0.998	0.998	0.998	0.998	N/A	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000	1,000	1,000
l	IMD Repricing	1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000	1,000	1,000
m	SSI Children - COE Change	1,000	N/A	1,000	1,000	1,000	1,000	N/A	1,000	1,000	1,000	1,000	1,000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$3.90	\$0.00	\$36.92	\$25.41	\$1.65	\$31.95	\$0.00	\$0.03	\$125.39	\$1.21	\$8.97	\$235.33

Foster Care Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	82,463	82,463	82,463	82,463	82,463	82,463	82,463	82,463	82,463	82,463	82,463	82,463
b	Total Allowed Dollars	\$108,566	\$20,826,834	\$649,484	\$663,372	\$192,649	\$3,005,829	\$10,997	\$5,734,540	\$7,660,449	\$2,305,374	\$1,251,589	\$42,409,682
c = b / a	CY 2022 PMPM Costs	\$1.32	\$252.56	\$7.88	\$8.04	\$2.34	\$36.45	\$0.13	\$69.54	\$92.90	\$27.96	\$15.18	\$514.29
d	MYPAC Member Identification Change	1,000	0.980	1,000	0.974	0.998	0.987	1,000	0.676	0.947	0.975	0.990	0.934
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	0.990
f	Missing Data	1,000	1,000	1,000	1,001	1,001	1,001	1,001	1,001	1,000	1,001	0.981	1,000
g	IBNR Adjustment	1,014	1,027	1,028	1,004	1,003	1,004	1,001	1,001	1,001	1,000	1,010	1,015
h	Non-Covered Services	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
i	Remove Zolgensma Claims	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
l	IMD Repricing	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
m	SSI Children - COE Change	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$1.30	\$248.29	\$7.91	\$7.91	\$2.35	\$36.33	\$0.13	\$47.30	\$88.52	\$26.46	\$14.95	\$481.46

Exhibit 1 Mississippi Division of Medicaid All Regions SFY 2023 Mississippi/CAH Capitation Rate Development CY 2022 Encounter Data													
MYPAC Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	10,612	10,612	10,612	10,612	10,612	10,612	10,612	10,612	10,612	10,612	10,612	10,612
b	Total Allowed Dollars	\$10,786	\$3,303,457	\$21,595	\$144,890	\$21,651	\$300,435	\$4,102	\$7,579,631	\$7,200,922	\$247,887	\$148,947	\$18,964,303
c = b / a	CY 2022 PMPM Costs	\$1.02	\$311.29	\$2.03	\$13.65	\$2.04	\$28.31	\$0.39	\$714.25	\$678.56	\$23.36	\$14.04	\$1,788.95
d	MYPAC Member Identification Change	2,789	1,390	3,550	1,596	1,347	1,568	2,077	1,864	1,179	1,603	1,726	1,512
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	1.002
f	Missing Data	1.000	1.000	1.000	1.004	1.009	1.004	1.000	1.000	1.000	1.003	1.045	1.001
g	IBNR Adjustment	1.011	1.065	1.051	1.015	1.015	1.014	1.001	1.000	1.000	1.001	1.094	1.012
h	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Remove Zolgensma Claims	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Repricing	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$2.80	\$490.26	\$7.41	\$22.33	\$2.83	\$45.43	\$0.81	\$1,338.60	\$804.47	\$36.41	\$27.82	\$2,739.17

MA Children Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562	2,558,562
b	Total Allowed Dollars	\$2,969,914	\$26,477,977	\$15,937,761	\$24,504,299	\$4,333,988	\$57,883,102	\$775,688	\$30,365,208	\$144,247,595	\$63,889,014	\$12,478,645	\$383,863,190
c = b / a	CY 2022 PMPM Costs	\$1.16	\$10.35	\$6.23	\$9.58	\$1.69	\$22.62	\$0.30	\$11.87	\$56.38	\$24.97	\$4.88	\$150.03
d	MYPAC Member Identification Change	0.999	0.979	1.000	0.998	0.999	0.999	0.999	0.998	0.996	0.999	0.996	0.988
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	0.998
f	Missing Data	1.001	1.001	1.001	1.002	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.014
g	IBNR Adjustment	1.015	1.015	1.015	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.003
h	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Remove Zolgensma Claims	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Repricing	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$1.15	\$10.05	\$6.18	\$9.65	\$1.71	\$22.81	\$0.30	\$10.75	\$56.61	\$24.24	\$6.69	\$150.16

Exhibit 1 Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2022 Encounter Data													
Quasi-CHIP Rate Cell													
		Category of Service											
Calculation Step	CY 2022 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient - Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	CY 2022 Member Months	283,644	283,644	283,644	283,644	283,644	283,644	283,644	283,644	283,644	283,644	283,644	283,644
b	Total Allowed Dollars	\$308,447	\$3,685,595	\$1,719,270	\$1,976,198	\$560,878	\$5,288,882	\$81,783	\$3,628,429	\$14,972,700	\$8,897,406	\$1,679,072	\$42,798,661
c = b / a	CY 2022 PMPM Costs	\$1.09	\$12.99	\$6.06	\$6.97	\$1.98	\$18.65	\$0.29	\$12.79	\$52.79	\$31.37	\$5.92	\$150.89
d	MYPAC Member Identification Change	1,000	0.981	0.991	0.997	0.998	0.999	1,000	0.913	0.994	0.999	0.997	0.988
e	Encounter to Financial Adjustment	0.979	0.979	0.979	1.007	1.007	1.007	1.007	1.007	1.007	0.971	1.007	0.996
f	Missing Data	1,001	1,001	1,001	1,003	1,004	1,003	1,002	1,002	1,002	1,002	1,290	1,013
g	IBNR Adjustment	1,015	1,015	1,016	1,003	1,003	1,002	1,001	1,001	1,001	1,001	1,005	1,003
h	Non-Covered Services	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
i	Remove Zolgensma Claims	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
j	TPL Adjustment	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
k	IMD Removal	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
l	IMD Repricing	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
m	SSI Children - COE Change	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Product of c through m	Adjusted CY 2022 PMPM Costs	\$1.08	\$12.64	\$5.96	\$7.01	\$2.00	\$18.81	\$0.29	\$11.78	\$52.89	\$30.45	\$7.69	\$150.61

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
Non-Newborn SSI / Disabled Rate Cell													
		Category of Service											
		Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
Calculation Step	SFY 2025 PMPM Cost Development												
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$2.42	\$36.43	\$127.78	\$31.99	\$50.89	\$118.39	\$0.53	\$43.16	\$169.12	\$8.91	\$59.16	\$648.77
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.130	1.130	1.000	1.051	1.130	1.025	1.157	1.143	1.103	1.077	1.117
c	Change Trend Factors CY 2022 to SFY 2025	0.955	0.976	0.955	1.059	1.051	1.064	0.998	1.062	1.010	1.012	1.045	1.019
d	Seasonal Vius Adjustment	1.000	0.995	0.965	0.975	0.997	0.988	1.000	1.000	0.986	1.000	0.997	0.985
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	0.999	0.999	1.015	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.003	1.003
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	1.000	1.012	1.000	1.000	1.000	1.000	1.000	1.137	1.000	1.000	1.038
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.000	1.000
	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.025	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$2.36	\$39.95	\$136.67	\$33.04	\$56.01	\$140.64	\$0.54	\$52.99	\$218.83	\$10.47	\$66.55	\$758.06
Breast and Cervical Cancer Rate Cell													
		Category of Service											
		Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
Calculation Step	SFY 2025 PMPM Cost Development												
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$0.00	\$0.00	\$149.06	\$21.21	\$846.91	\$561.98	\$0.00	\$6.66	\$879.12	\$8.34	\$40.39	\$2,513.67
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	N/A	N/A	1.077	1.000	1.051	1.077	N/A	1.077	1.103	1.103	1.077	1.077
c	Change Trend Factors CY 2022 to SFY 2025	N/A	N/A	0.955	1.058	1.051	1.066	N/A	1.050	1.017	1.000	1.038	1.036
d	Seasonal Vius Adjustment	N/A	N/A	0.973	0.996	1.000	0.998	N/A	1.000	0.998	1.000	1.000	0.997
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.024	1.000	1.000
	Restorative Dental Reimbursement Change	N/A	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$0.00	\$0.00	\$149.09	\$22.35	\$935.10	\$644.25	\$0.00	\$7.54	\$884.66	\$9.42	\$45.16	\$2,797.57

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
MA Adult Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$28.10	\$5.29	\$29.37	\$25.25	\$12.79	\$60.91	\$6.73	\$8.58	\$105.56	\$4.72	\$13.85	\$301.15
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.051	1.051	1.000	1.038	1.051	1.025	1.051	1.051	1.103	1.077	1.045
c	Change Trend Factors CY 2022 to SFY 2025	1.039	1.039	1.039	1.065	1.038	1.068	1.015	1.038	1.016	1.000	1.053	1.038
d	Seasonal Virus Adjustment	1.000	0.988	0.988	0.968	0.992	1.000	1.000	1.000	0.970	1.000	0.996	0.978
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	1.002	0.999	0.999	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.000	1.000
j	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.002	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$29.53	\$5.62	\$30.56	\$25.64	\$13.47	\$65.80	\$6.90	\$9.22	\$107.71	\$5.28	\$15.40	\$315.11

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
Pregnant Woman Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$461.96	\$1.26	\$6.57	\$30.91	\$10.77	\$63.36	\$117.58	\$2.89	\$193.88	\$3.25	\$12.64	\$905.07
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.051	1.051	1.000	1.038	1.051	1.025	1.051	1.025	1.103	1.077	1.028
c	Change Trend Factors CY 2022 to SFY 2025	1.039	1.039	1.039	1.065	1.038	1.066	1.015	1.035	1.015	1.002	1.053	1.034
d	Seasonal Virus Adjustment	1.000	0.961	0.985	0.966	0.973	1.000	1.000	0.983	1.000	0.998	0.998	0.993
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	0.481	0.742	0.742	0.742	0.742	0.742	0.481	0.742	0.742	0.742	0.742	0.574
g	Hemophilia Population Carve-In	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.032	1.000	1.000
j	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.012	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$236.54	\$0.88	\$5.24	\$25.69	\$8.38	\$61.22	\$58.82	\$2.53	\$147.23	\$2.78	\$10.62	\$547.76

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
SSI / Disabled Newborn Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$2,772.61	\$13.26	\$768.04	\$57.47	\$47.35	\$181.25	\$0.00	\$0.74	\$1,396.56	\$0.90	\$202.35	\$5,440.53
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.000	1.000	1.000	1.064	1.077	N/A	1.077	1.051	1.103	1.077	1.032
c	Change Trend Factors CY 2022 to SFY 2025	1.086	1.086	1.086	1.125	1.064	1.125	N/A	1.015	0.987	1.000	1.031	1.059
d	Seasonal Virus Adjustment	1.000	1.000	0.994	0.995	1.000	0.998	N/A	1.000	0.999	1.000	0.998	0.999
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	1.000	1.000	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.067	1.000	1.000
j	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$3,085.93	\$14.39	\$828.92	\$64.35	\$53.56	\$219.09	\$0.00	\$0.81	\$1,447.10	\$1.06	\$224.51	\$5,939.74

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
Non-SSI Newborns 0 to 2 Months Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$1,293.17	\$0.00	\$111.18	\$23.03	\$2.27	\$29.13	\$0.00	\$0.15	\$388.05	\$0.79	\$15.82	\$1,863.59
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	N/A	1.000	1.000	1.064	1.077	N/A	1.077	1.038	1.103	1.077	1.027
c	Change Trend Factors CY 2022 to SFY 2025	1.086	N/A	1.086	1.125	1.064	1.125	N/A	1.015	0.987	1.000	1.015	1.066
d	Seasonal Virus Adjustment	1.000	N/A	0.976	0.970	0.968	0.965	N/A	1.000	0.996	1.000	0.994	0.997
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.080	1.000	1.000	1.016
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.042	1.000	1.000
j	Restorative Dental Reimbursement Change	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$1,439.31	\$0.00	\$117.86	\$25.13	\$2.49	\$34.07	\$0.00	\$0.16	\$429.09	\$0.91	\$17.17	\$2,066.18

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
Non-SSI Newborns 3 to 12 Months Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$3.80	\$0.00	\$36.92	\$25.41	\$1.65	\$31.95	\$0.00	\$0.03	\$125.39	\$1.21	\$8.97	\$235.33
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	N/A	1.000	1.000	1.064	1.077	N/A	1.077	1.051	1.103	1.077	1.042
c	Change Trend Factors CY 2022 to SFY 2025	0.974	N/A	0.974	1.081	1.064	1.082	N/A	1.024	1.016	1.000	1.061	1.027
d	Seasonal Virus Adjustment	1.000	N/A	0.966	0.964	0.967	0.953	N/A	1.000	0.980	1.000	0.993	0.973
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.146	1.000	1.000	1.078
i	Reimbursement Changes												
	Preventative and Diagnostic Dental Reimbursement Change	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.071	1.000	1.000
j	Restorative Dental Reimbursement Change	1.000	N/A	1.000	1.000	1.000	1.000	N/A	1.000	1.000	1.001	1.000	1.000
Product of a through j		\$3.79	\$0.00	\$34.73	\$26.48	\$1.80	\$35.49	\$0.00	\$0.03	\$150.38	\$1.43	\$10.18	\$264.32

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
MYPAC Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$2.80	\$450.26	\$7.41	\$22.33	\$2.83	\$45.43	\$0.81	\$1,338.60	\$804.47	\$36.41	\$27.82	\$2,739.17
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.077	1.077	1.000	1.064	1.077	1.025	1.004	1.007	1.103	1.077	1.020
c	Change Trend Factors CY 2022 to SFY 2025	0.974	1.024	0.974	1.081	1.064	1.080	1.013	1.089	1.084	1.022	1.052	1.074
d	Seasonal Vius Adjustment	1.000	0.999	0.986	0.989	0.998	0.984	1.000	1.000	0.997	1.000	1.000	0.999
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Reimbursement Changes												
	Preventative and Diaonostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.027	1.000	1.000
j	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.036	1.000	1.000
Product of a through j	Projected SFY 2025 PMPM Costs	\$2.79	\$486.06	\$7.67	\$22.89	\$3.19	\$52.01	\$0.84	\$1,463.10	\$875.65	\$43.62	\$31.52	\$3,000.34
MA Children Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries												
	CY 2022 PMPM Costs	\$1.15	\$10.05	\$6.18	\$9.65	\$1.71	\$22.81	\$0.30	\$10.75	\$56.61	\$24.24	\$6.69	\$150.16
b	Trends												
	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.077	1.077	1.000	1.064	1.077	1.025	1.077	1.077	1.103	1.077	1.075
c	Change Trend Factors CY 2022 to SFY 2025	0.974	1.043	0.974	1.082	1.064	1.082	1.013	1.040	1.016	1.019	1.054	1.034
d	Seasonal Vius Adjustment	1.000	0.999	0.976	0.966	0.989	0.968	1.000	1.000	0.960	1.000	0.999	0.977
e	Population Changes												
	SFY 2025 Population Acuity Adjustment	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Hemophilia Population Carve-In	1.000	1.000	1.002	1.000	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Program Changes												
	Gene Therapy Drug Coverage	1.000	1.000	1.011	1.000	1.000	1.000	1.000	1.000	1.071	1.000	1.000	1.026
i	Reimbursement Changes												
	Preventative and Diaonostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.029	1.000	1.005
j	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.036	1.000	1.006
Product of a through j	Projected SFY 2025 PMPM Costs	\$1.18	\$11.55	\$6.57	\$10.35	\$1.87	\$26.37	\$0.32	\$12.35	\$65.31	\$26.77	\$7.78	\$173.51

Exhibit 2 Mississippi Division of Medicaid All Regions SFY 2025 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions													
Quasi-CHIP Rate Cell													
		Category of Service											
Calculation Step	SFY 2025 PMPM Cost Development	Inpatient Hospital - Maternity / Deliveries	Inpatient Hospital - Psychiatric / Substance Abuse	Inpatient Hospital - Other	Outpatient Hospital - Emergency Room	Outpatient Hospital - Pharmacy	Outpatient Hospital - Other	Physician - Maternity / Deliveries	Physician - Psychiatric / Substance Abuse	Physician - Other	Dental	Other	Total
a	Base Period Summaries CY 2022 PMPM Costs	\$1.08	\$12.64	\$5.96	\$7.01	\$2.00	\$18.81	\$0.29	\$11.78	\$52.89	\$30.45	\$7.69	\$150.61
b	Trends												
c	Utilization Trend Factors CY 2022 to SFY 2025	1.025	1.077	1.077	1.000	1.064	1.077	1.025	1.077	1.077	1.103	1.077	1.078
d	Change Trend Factors CY 2022 to SFY 2025	0.974	1.035	0.974	1.081	1.064	1.084	1.030	1.040	1.017	1.025	1.052	1.033
e	Seasonal Virus Adjustment	1.000	0.998	0.990	0.966	0.993	0.971	1.000	1.000	0.951	1.000	0.999	0.977
f	Population Changes												
g	SFY 2025 Population Acuity Adjustment	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
h	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Hemophilia Population Carve-In	1.000	1.000	1.000	1.002	1.011	1.001	1.000	1.000	1.000	1.000	1.000	1.000
j	Program Changes												
k	Gene Therapy Drug Coverage	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	Reimbursement Changes												
m	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.029	1.000	1.006
n	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.000	1.006
Product of a through j		\$11.0	\$14.41	\$6.35	\$7.53	\$2.32	\$21.86	\$0.31	\$13.52	\$66.45	\$37.33	\$8.92	\$170.10

Exhibit 3 Mississippi Division of Medicaid SFY 2025 MississippiCAN Capitation Rate Development Statewide Non-Service Expense Allocation Development										
	a	b	c	d	e = d × j	f	g = f × j	h	i = h × j	j = (b + c) / (1 - d - f - h)
Rate Cell	Projected SFY 2025 Membership	SFY 2025 PMPM Cost	Fixed Non-Service Expense Load	Non-Service Percentage	Non-Service PMPM	Margin Percentage	Margin PMPM	Premium Tax Percentage	Premium Tax PMPM	Total
Non-Newborn SSI / Disabled	713,294	\$758.06	\$9.99	5.98%	\$51.52	1.80%	\$15.50	3.00%	\$25.83	\$860.89
Breast and Cervical Cancer	823	\$2,797.57	\$9.99	5.98%	\$188.34	1.80%	\$56.65	3.00%	\$94.41	\$3,146.95
MA Adult	614,127	\$315.11	\$9.99	5.98%	\$21.81	1.80%	\$6.56	3.00%	\$10.93	\$364.40
Pregnant Women	201,312	\$547.76	\$9.99	5.98%	\$37.41	1.80%	\$11.25	3.00%	\$18.76	\$625.17
SSI / Disabled Newborn	6,563	\$5,939.74	\$9.99	5.98%	\$399.12	1.80%	\$120.04	3.00%	\$200.07	\$6,668.95
Non-SSI Newborns 0 to 2 Months	70,617	\$2,066.18	\$9.99	5.98%	\$139.27	1.80%	\$41.89	3.00%	\$69.81	\$2,327.15
Non-SSI Newborns 3 to 12 Months	235,151	\$264.32	\$9.99	5.98%	\$18.40	1.80%	\$5.53	3.00%	\$9.22	\$307.47
Foster Care	94,834	\$545.39	\$9.99	5.98%	\$37.26	1.80%	\$11.21	3.00%	\$18.68	\$622.51
MYPAC	13,610	\$3,000.34	\$9.99	5.98%	\$201.94	1.80%	\$60.74	3.00%	\$101.23	\$3,374.23
MA Children	2,871,096	\$173.51	\$9.99	5.98%	\$12.31	1.80%	\$3.70	3.00%	\$6.17	\$205.68
Quasi-CHIP	343,275	\$170.10	\$9.99	5.98%	\$12.08	1.80%	\$3.63	3.00%	\$6.06	\$201.86
Total	5,164,701	\$337.48	\$9.99	5.98%	\$23.31	1.80%	\$7.01	3.00%	\$11.68	\$389.47
		86.65%								

Exhibit 4						
Mississippi Division of Medicaid						
SFY 2025 MississippiCAN Capitation Rate Development						
Final SFY 2025 Capitation Rates						
	a	b	c = a × b	d = c × -1.00%	e = c + d	f
Rate Cell	SFY 2025 Statewide Capitation Rates	Area Adjustments	SFY 2025 Regional Capitation Rates	Quality Withhold	Total Rate at 1.0 Risk Score after Withhold	Projected SFY 2025 Member Months
Non-Newborn SSI / Disabled	\$860.89			(\$8.61)	\$852.28	713,294
North Region		0.878	\$756.04	(\$7.56)	\$748.48	249,288
Central Region		1.041	896.04	(\$8.96)	\$887.08	257,947
South Region		1.096	943.32	(\$9.43)	\$933.89	206,059
Breast and Cervical Cancer	\$3,146.95			(\$31.47)	\$3,115.48	823
North Region		0.878	\$2,763.68	(\$27.64)	\$2,736.04	168
Central Region		1.041	3,275.43	(\$32.75)	\$3,242.68	271
South Region		1.096	3,448.27	(\$34.48)	\$3,413.79	384
MA Adult	\$364.40			(\$3.64)	\$360.76	614,127
North Region		0.995	\$362.51	(\$3.63)	\$358.88	165,823
Central Region		1.026	374.04	(\$3.74)	\$370.30	191,224
South Region		0.981	357.31	(\$3.57)	\$353.74	257,080
Pregnant Women	\$625.17			(\$6.25)	\$618.92	201,312
North Region		0.995	\$621.91	(\$6.22)	\$615.69	66,481
Central Region		1.026	641.70	(\$6.42)	\$635.28	74,991
South Region		0.981	613.01	(\$6.13)	\$606.88	59,840
SSI / Disabled Newborn	\$6,668.95			(\$66.69)	\$6,602.26	6,563
North Region		1.020	\$6,799.70	(\$68.00)	\$6,731.70	2,058
Central Region		1.078	7,186.55	(\$71.87)	\$7,114.69	2,790
South Region		0.909	6,062.19	(\$60.62)	\$6,001.57	1,715
Non-SSI Newborns 0 to 2 Months	\$2,327.15			(\$23.27)	\$2,303.88	70,617
North Region		1.020	\$2,372.77	(\$23.73)	\$2,349.04	22,231
Central Region		1.078	2,507.77	(\$25.08)	\$2,482.69	25,863
South Region		0.909	2,115.42	(\$21.15)	\$2,094.26	22,523
Non-SSI Newborns 3 to 12 Months	\$307.47			(\$3.07)	\$304.40	235,151
North Region		1.020	\$313.50	(\$3.14)	\$310.37	74,313
Central Region		1.078	331.34	(\$3.31)	\$328.02	85,182
South Region		0.909	279.50	(\$2.79)	\$276.70	75,656
Foster Care	\$622.51			(\$6.23)	\$616.29	94,834
North Region		1.020	\$634.72	(\$6.35)	\$628.37	27,912
Central Region		1.078	670.83	(\$6.71)	\$664.12	28,165
South Region		0.909	565.87	(\$5.66)	\$560.22	38,757
MYPAC	\$3,374.23			(\$33.74)	\$3,340.49	13,610
North Region		1.020	\$3,440.38	(\$34.40)	\$3,405.98	3,986
Central Region		1.078	3,636.12	(\$36.36)	\$3,599.76	4,457
South Region		0.909	3,067.23	(\$30.67)	\$3,036.56	5,167
MA Children	\$205.68			(\$2.06)	\$203.62	2,871,096
North Region		1.020	\$209.71	(\$2.10)	\$207.62	818,722
Central Region		1.078	221.65	(\$2.22)	\$219.43	968,711
South Region		0.909	186.97	(\$1.87)	\$185.10	1,083,662
Quasi-CHIP	\$201.86			(\$2.02)	\$199.85	343,275
North Region		1.020	\$205.82	(\$2.06)	\$203.76	108,416
Central Region		1.078	217.53	(\$2.18)	\$215.36	120,285
South Region		0.909	183.50	(\$1.83)	\$181.66	114,574
Total Capitation Dollars						
Statewide Capitation Rates			\$2,011,493,101			
Regional Capitation Rates			\$2,011,493,101			

Exhibit 5 Mississippi Division of Medicaid SFY 2024 to SFY 2025 Rate Change ¹													
Membership	Non- Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi- CHIP	Total - Aggregated with Actual CY 2022 MMs	Total - Aggregated with Projected SFY 2025 MMs
Actual CY 2022 MMs	720,708	961	451,802	96,821	5,039	67,578	232,493	82,463	10,612	2,558,562	283,644	4,510,683	N/A
Projected SFY 2025 MMs	713,294	823	614,127	201,312	6,563	70,617	235,151	94,834	13,610	2,871,096	343,275	N/A	5,164,701
SFY 2024 Capitation Rate - Including Pharmacy Services	\$1,320.36	\$3,469.71	\$564.73	\$732.35	\$8,360.17	\$2,275.83	\$303.48	\$734.25	\$3,936.78	\$240.10	\$253.27	\$517.87	\$508.33
Remove Non-Physician Administered Pharmacy Services	0.638	0.812	0.728	0.976	0.925	0.988	0.883	0.855	0.955	0.832	0.794	0.761	0.771
SFY 2024 Capitation Rate - Excluding Pharmacy Services	\$841.80	\$2,818.82	\$411.30	\$714.74	\$7,732.34	\$2,248.74	\$268.04	\$627.97	\$3,761.48	\$199.87	\$201.05	\$394.13	\$392.17
Shift CGT Estimates from Pharmacy to Physician	1.100	0.998	0.998	0.998	0.998	1.015	1.039	0.998	0.998	1.007	0.998	1.038	1.033
SFY 2024 Capitation Rate - Excluding Pharmacy Services with CGT Shift	\$825.63	\$2,813.56	\$410.53	\$713.40	\$7,717.90	\$2,281.86	\$278.43	\$626.80	\$3,754.46	\$201.22	\$200.67	\$409.13	\$405.19
Base Period Data Update	0.958	1.104	0.977	0.986	0.855	0.996	1.077	0.902	0.813	1.024	1.020	0.982	0.982
Restate CY 2022 to SFY 2024 Trends	1.016	0.989	0.982	0.942	0.995	0.999	0.960	1.023	1.039	0.993	0.999	0.999	0.997
Restate SFY 2024 Cell / Gene Therapy Coverage ²	0.934	1.000	1.000	1.000	1.000	1.000	1.035	1.000	1.000	1.013	1.000	0.982	0.984
Remove SFY 2024 Population Acuity Adjustment ^{3, 4}	1.000	1.000	0.941	1.000	1.000	1.000	1.000	1.000	1.000	0.929	0.925	0.970	0.969
Other Restated SFY 2024 Assumptions	0.996	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	0.998	0.998	0.998	0.998
Updates Relative to SFY 2024 Assumptions	0.906	1.091	0.902	0.928	0.850	0.995	1.069	0.922	0.845	0.955	0.940	0.933	0.931
SFY 2024 to SFY 2025 Utilization Trends	1.039	1.022	1.017	1.012	1.012	1.011	1.018	1.027	1.007	1.025	1.027	1.027	1.025
SFY 2024 to SFY 2025 Unit Cost Trends	0.998	1.008	1.000	0.996	1.001	0.999	1.012	1.022	1.028	1.011	1.011	1.004	1.004
SFY 2025 Population Acuity Adjustment ¹	1.000	1.000	0.987	1.000	1.000	1.000	1.000	1.000	1.000	1.021	1.022	1.006	1.005
SFY 2025 Seasonal Virus Adjustment ¹	0.995	0.995	1.002	1.037	1.022	1.020	1.005	1.034	1.040	1.019	1.019	1.010	1.011
SFY 2025 Hemophilia Population Carve-In ²	1.002	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001
SFY 2025 Postpartum Coverage Extension ²	1.000	1.000	1.000	0.929	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.995
SFY 2024 to SFY 2025 Restorative Dental Reimbursement Change ²	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.002	1.002	1.002	1.001	1.001
Update SFY 2025 Admin	0.999	1.005	0.987	0.979	0.987	1.000	1.006	0.997	0.993	1.000	0.998	0.997	0.996
Remove SFY 2025 PBA Pharmacy Admin ²	0.994	0.995	0.993	0.994	0.995	0.995	0.992	0.994	0.995	0.991	0.991	0.993	0.993
Preliminary SFY 2025 Rate Change	0.930	1.118	0.888	0.876	0.864	1.020	1.104	0.993	0.899	1.022	1.006	0.965	0.961
SFY 2025 Rate Change - Excluding Program Changes ⁴	0.999	1.124	0.895	0.950	0.869	1.025	1.076	0.999	0.903	1.016	1.013	0.992	0.987
SFY 2025 Rate Change - Excluding COVID-19 Adjustments ³	0.935	1.124	0.955	0.845	0.846	1.000	1.099	0.960	0.864	1.057	1.045	0.980	0.975

¹ Rate changes exclude MHAP, MAPS, TREAT, the quality withhold, and the VBP.
² Program change that increases or decreases total program costs outside of the control of the CCOs.
³ COVID-19 adjustments include the population acuity adjustments.

Exhibit 6 Mississippi Division of Medicaid SFY 2025 MississippiCAN Capitation Rate Development Service Category to Milliman HCGs Group Category Mapping							
Broad Category of Service - SFY 2024 Definition		Broad Category of Service - SFY 2025 Definition		Broad Category of Service - SFY 2024 Definition		Broad Category of Service - SFY 2025 Definition	
MR Line			Description	MR Line			Description
I21a	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Mat Norm Delivery	P37i	Physician	Physician - Other	Miscellaneous Medical - Dermatology
I21b	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Mat Norm Delivery - Mom/Baby Cmbnd	P37k	Physician	Physician - Other	Miscellaneous Medical - Dialysis
I22a	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Mat Csect Delivery	P40a	Physician	Physician - Other	Preventive Other - General
I22b	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Mat Csect Delivery - Mom/Baby Cmbnd	P40b	Physician	Physician - Other	Preventive Other - Colonoscopy
I23a	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Well Newborn - Normal Delivery	P40c	Physician	Physician - Other	Preventive Other - Mammography
I23b	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Well Newborn - Csect Delivery	P40d	Physician	Physician - Other	Preventive Other - Lab
I23c	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Well Newborn - Unknown Delivery	P41	Physician	Physician - Other	Preventive Immunizations
I24	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Other Newborn	P42	Physician	Physician - Other	Preventive Well Baby Exams
I25	Inpatient Hospital	Inpatient Hospital - Maternity / Deliveries	Maternity Non-Delivery	P43	Physician	Physician - Other	Preventive Physical Exams
I13a	Inpatient Hospital	Inpatient Hospital - Psychiatric / Substance Abuse	Psychiatric - Hospital	P44	Physician	Physician - Other	Vision Exams
I13b	Inpatient Hospital	Inpatient Hospital - Psychiatric / Substance Abuse	Psychiatric - Residential	P45	Physician	Physician - Other	Hearing and Speech Exams
I14a	Inpatient Hospital	Inpatient Hospital - Psychiatric / Substance Abuse	Substance Use Disorders - Hospital	P51a	Physician	Physician - Other	ED Visits and Observation Care - Observation Care
I14b	Inpatient Hospital	Inpatient Hospital - Psychiatric / Substance Abuse	Substance Use Disorders - Residential	P51b	Physician	Physician - Other	ED Visits and Observation Care - ED Visits
I11a	Inpatient Hospital	Inpatient Hospital - Other	Medical	P53	Physician	Physician - Other	Physical Therapy
I11b	Inpatient Hospital	Inpatient Hospital - Other	Rehabilitation	P54	Physician	Physician - Other	Cardiovascular
I12	Inpatient Hospital	Inpatient Hospital - Other	Surgical	P55b	Physician	Physician - Other	Radiology IP - CT Scan
I21	Inpatient Hospital	Inpatient Hospital - Other	SNF	P55c	Physician	Physician - Other	Radiology IP - MRI
O10b	Outpatient Hospital	Outpatient Hospital - Emergency Room	Observation - With ED	P55d	Physician	Physician - Other	Radiology IP - PET
O11	Outpatient Hospital	Outpatient Hospital - Emergency Room	Emergency Department	P55e	Physician	Physician - Other	Radiology IP - General - Therapeutic
O16a	Outpatient Hospital	Outpatient Hospital - Pharmacy	Pharmacy - General	P55f	Physician	Physician - Other	Radiology IP - General - Diagnostic
O16b	Outpatient Hospital	Outpatient Hospital - Pharmacy	Pharmacy - Chemotherapy	P56a	Physician	Physician - Other	Radiology OP - General - Therapeutic
O10a	Outpatient Hospital	Outpatient Hospital - Other	Observation - Without ED	P56b	Physician	Physician - Other	Radiology OP - General - Diagnostic
O12a	Outpatient Hospital	Outpatient Hospital - Other	Surgery - Hospital Outpatient	P57a	Physician	Physician - Other	Radiology OP- CT/MRI/PET - CT Scan
O12b	Outpatient Hospital	Outpatient Hospital - Other	Surgery - Ambulatory Surgery Center	P57b	Physician	Physician - Other	Radiology OP- CT/MRI/PET - MRI
O13a	Outpatient Hospital	Outpatient Hospital - Other	Radiology General - Therapeutic	P57c	Physician	Physician - Other	Radiology OP- CT/MRI/PET - PET
O13b	Outpatient Hospital	Outpatient Hospital - Other	Radiology General - Diagnostic	P58c	Physician	Physician - Other	Radiology Office - General - Therapeutic
O14a	Outpatient Hospital	Outpatient Hospital - Other	Radiology - CT/MRI/PET - CT Scan	P58d	Physician	Physician - Other	Radiology Office - General - Diagnostic
O14b	Outpatient Hospital	Outpatient Hospital - Other	Radiology - CT/MRI/PET - MRI	P58e	Physician	Physician - Other	Radiology Office - General - Radiology Center - Therapeutic
O14c	Outpatient Hospital	Outpatient Hospital - Other	Radiology - CT/MRI/PET - PET	P58f	Physician	Physician - Other	Radiology Office - General - Radiology Center - Diagnostic
O15	Outpatient Hospital	Outpatient Hospital - Other	Pathology/Lab	P59a	Physician	Physician - Other	Radiology Office - CT/MRI/PET - CT Scan
O17	Outpatient Hospital	Outpatient Hospital - Other	Cardiovascular	P59b	Physician	Physician - Other	Radiology Office - CT/MRI/PET - MRI
O18	Outpatient Hospital	Outpatient Hospital - Other	PT/OT/ST	P59c	Physician	Physician - Other	Radiology Office - CT/MRI/PET - PET
O31a	Outpatient Hospital	Outpatient Hospital - Other	Psychiatric - Partial Hospitalization	P59d	Physician	Physician - Other	Radiology Office - CT/MRI/PET - CT Scan - Radiology Center
O31b	Outpatient Hospital	Outpatient Hospital - Other	Psychiatric - Intensive Outpatient	P59e	Physician	Physician - Other	Radiology Office - CT/MRI/PET - MRI - Radiology Center
O32a	Outpatient Hospital	Outpatient Hospital - Other	Substance Use Disorders - Partial Hospitalization	P59f	Physician	Physician - Other	Radiology Office - CT/MRI/PET - PET - Radiology Center
O32b	Outpatient Hospital	Outpatient Hospital - Other	Substance Use Disorders - Intensive Outpatient	P61a	Physician	Physician - Other	Pathology/Lab - Inpatient & Outpatient - Inpatient
O41a	Outpatient Hospital	Outpatient Hospital - Other	Other - General	P61b	Physician	Physician - Other	Pathology/Lab - Inpatient & Outpatient - Outpatient
O41b	Outpatient Hospital	Outpatient Hospital - Other	Other - Blood	P63a	Physician	Physician - Other	Pathology/Lab - Office - General
O41d	Outpatient Hospital	Outpatient Hospital - Other	Other - Clinic	P63b	Physician	Physician - Other	Pathology/Lab - Office - Venipuncture
O41e	Outpatient Hospital	Outpatient Hospital - Other	Other - Diagnostic	P63c	Physician	Physician - Other	Pathology/Lab - Office - Independent Lab
O41f	Outpatient Hospital	Outpatient Hospital - Other	Other - Dialysis	P65	Physician	Physician - Other	Chiropractor
O41g	Outpatient Hospital	Outpatient Hospital - Other	Other - DME/Supplies	P99e	Physician	Physician - Other	Benefits Other - Reproductive Medicine
O41h	Outpatient Hospital	Outpatient Hospital - Other	Other - Trmt/Spclty Svcs	P99f	Physician	Physician - Other	Benefits Other - Temporary Codes
O41i	Outpatient Hospital	Outpatient Hospital - Other	Other - Pulmonary	P99g	Physician	Physician - Other	Benefits Other - Documentation
O41j	Outpatient Hospital	Outpatient Hospital - Other	Other - Urgent Care	P99z	Physician	Physician - Other	Benefits Other - Unclassified
O51a	Outpatient Hospital	Outpatient Hospital - Other	Preventive - General	P82a	Other	Other	Home Health Care - HH
O51b	Outpatient Hospital	Outpatient Hospital - Other	Preventive - Colonoscopy	P82b	Other	Other	Home Health Care - Hospice
O51c	Outpatient Hospital	Outpatient Hospital - Other	Preventive - Mammography	P82c	Other	Other	Home Health Care - Home Health (Medicare Covered)
O51d	Outpatient Hospital	Outpatient Hospital - Other	Preventive - Lab	P82d	Other	Other	Home Health Care - Hospice - Home Based
P21a	Physician	Physician - Maternity / Deliveries	Maternity - Normal Deliveries	P82e	Other	Other	Home Health Care - Hospice - Facility Based
P21b	Physician	Physician - Maternity / Deliveries	Maternity - Cesarean Deliveries	P82f	Other	Other	Home Health Care - Home Health (Not Medicare Covered)
P21c	Physician	Physician - Maternity / Deliveries	Maternity - Non-Deliveries	P82g	Other	Other	Home Health Care - Personal/Custodial Care
P21d	Physician	Physician - Maternity / Deliveries	Maternity - Ancillary	P82h	Other	Other	Home Health Care - Adult Day Health Care
P21e	Physician	Physician - Maternity / Deliveries	Maternity - Anesthesia	P82i	Other	Other	Home Health Care - Home Respite Care
P31e	Physician	Physician - Psychiatric / Substance Abuse	Inpatient Visits - Psychiatric	P82j	Other	Other	Home Health Care - Personal Emergency Response System (PERS)
P31f	Physician	Physician - Psychiatric / Substance Abuse	Inpatient Visits - Substance Use Disorders	P82k	Other	Other	Home Health Care - Home Modification
P66	Physician	Physician - Psychiatric / Substance Abuse	Outpatient Psychiatric	P82l	Other	Other	Home Health Care - Home Delivered Meals
P67	Physician	Physician - Psychiatric / Substance Abuse	Outpatient Substance Use Disorders	P82m	Other	Other	Home Health Care - Assisted Living Facility
P11	Physician	Physician - Other	Inpatient Surgery	P82n	Other	Other	Home Health Care - Ancillary Services Provided in the Home
P13	Physician	Physician - Other	Inpatient Anesthesia	P83	Other	Other	Ambulance
P14	Physician	Physician - Other	Outpatient Surgery	P84	Other	Other	DME and Supplies
P15	Physician	Physician - Other	Office Surgery	P85	Other	Other	Prosthetics
P16	Physician	Physician - Other	Outpatient Anesthesia	P89	Other	Other	Benefits Glasses/Contacts
P31d	Physician	Physician - Other	Inpatient Visits - Medical	P99a	Other	Other	Benefits Other - General
P32c	Physician	Physician - Other	Office/Home Visits - PCP	P99b	Other	Other	Benefits Other - Hearing Aids
P32d	Physician	Physician - Other	Office/Home Visits - Specialist	P99d	Other	Other	Benefits Other - Acupuncture
P33	Physician	Physician - Other	Urgent Care Visits	P99h	Other	Other	Benefits Other - Non-Emergency Transportation
P34a	Physician	Physician - Other	Office Administered Drugs - General	P99c	Dental	Dental	Benefits Other - Dental
P34b	Physician	Physician - Other	Office Administered Drugs - Chemotherapy	R73a	Drug	Drug - Traditional	Prescription Drugs - Preferred Generic
P35	Physician	Physician - Other	Allergy Testing	R73b	Drug	Drug - Traditional	Prescription Drugs - Non-Preferred Generic
P36	Physician	Physician - Other	Allergy Immunotherapy	R74a	Drug	Drug - Traditional	Prescription Drugs - Preferred Brand
P37a	Physician	Physician - Other	Miscellaneous Medical - General	R74b	Drug	Drug - Traditional	Prescription Drugs - Non-Preferred Brand
P37b	Physician	Physician - Other	Miscellaneous Medical - Gastroenterology	R75	Drug	Drug - Specialty	Prescription Drugs - Specialty
P37c	Physician	Physician - Other	Miscellaneous Medical - Ophthalmology	R76	Drug	Drug - Traditional	Prescription Drugs - Preventive
P37d	Physician	Physician - Other	Miscellaneous Medical - Otorhinolaryngology	P81a	Drug	Drug - Traditional	Prescription Drugs - Non-Specialty Generic
P37e	Physician	Physician - Other	Miscellaneous Medical - Vestibular Function Tests	P81b	Drug	Drug - Traditional	Prescription Drugs - Non-Specialty Multi Source Brand
P37f	Physician	Physician - Other	Miscellaneous Medical - Non-Invas. Vasc. Diag. Studies	P81c	Drug	Drug - Traditional	Prescription Drugs - Non-Specialty Single Source Brand
P37g	Physician	Physician - Other	Miscellaneous Medical - Pulmonology	P81e	Drug	Drug - Traditional	Prescription Drugs - OTC
P37h	Physician	Physician - Other	Miscellaneous Medical - Neurology	P81q	Drug	Drug - Specialty	Prescription Drugs - Specialty
P37i	Physician	Physician - Other	Miscellaneous Medical - Central Nervous System Tests				

*Broad Category of Service "Drug" is excluded from base data.

Exhibit 7A Mississippi Division of Medicaid MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends All Populations PMPM Costs by Month¹								
Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total	
January 2019	437,026	\$86.20	\$78.01	\$116.03	\$21.53	\$15.83	\$317.60	
February 2019	435,583	\$80.51	\$75.26	\$111.70	\$18.77	\$14.78	\$301.01	
March 2019	434,251	\$85.38	\$70.36	\$104.88	\$19.18	\$15.42	\$295.21	
April 2019	434,281	\$87.46	\$73.80	\$109.78	\$20.23	\$16.06	\$307.33	
May 2019	435,675	\$89.86	\$72.87	\$104.61	\$17.26	\$15.59	\$300.18	
June 2019	436,565	\$82.39	\$71.61	\$93.13	\$17.96	\$14.70	\$279.79	
July 2019	435,173	\$88.31	\$73.26	\$103.38	\$22.10	\$16.56	\$303.61	
August 2019	432,187	\$85.48	\$70.17	\$112.10	\$21.22	\$17.42	\$306.40	
September 2019	431,636	\$87.31	\$69.42	\$108.57	\$19.77	\$16.54	\$301.61	
October 2019	432,302	\$95.86	\$75.40	\$118.28	\$22.69	\$16.77	\$329.00	
November 2019	433,427	\$81.80	\$67.89	\$105.64	\$18.11	\$16.02	\$289.46	
December 2019	435,721	\$89.91	\$70.62	\$104.84	\$16.16	\$15.88	\$297.41	
CY 2019²⁴	434,486	\$86.71	\$72.39	\$107.74	\$19.58	\$15.96	\$302.39	
January 2020	434,689	\$85.69	\$75.84	\$118.73	\$20.39	\$17.26	\$317.91	
February 2020	431,725	\$76.77	\$70.60	\$110.64	\$18.73	\$15.75	\$292.48	
March 2020	429,908	\$79.10	\$57.79	\$93.69	\$12.03	\$15.73	\$258.34	
April 2020	430,080	\$70.41	\$37.21	\$69.57	\$1.36	\$12.38	\$190.93	
May 2020	434,572	\$78.76	\$50.69	\$80.08	\$10.02	\$13.56	\$233.11	
June 2020	443,044	\$84.08	\$59.77	\$95.09	\$16.13	\$14.80	\$269.86	
July 2020	450,515	\$84.44	\$60.18	\$95.50	\$17.18	\$14.22	\$271.52	
August 2020	456,517	\$81.43	\$57.88	\$95.70	\$16.99	\$14.94	\$266.93	
September 2020	460,496	\$77.13	\$59.82	\$97.66	\$17.11	\$14.84	\$266.56	
October 2020	464,815	\$78.34	\$61.51	\$101.49	\$17.60	\$15.53	\$274.47	
November 2020	470,075	\$72.23	\$57.90	\$91.54	\$15.30	\$14.58	\$251.55	
December 2020	474,757	\$81.09	\$57.44	\$91.85	\$15.14	\$14.94	\$260.48	
CY 2020³⁴	448,433	\$79.12	\$58.88	\$95.13	\$14.83	\$14.88	\$262.84	
January 2021	478,618	\$83.60	\$56.48	\$93.82	\$15.87	\$15.49	\$265.27	
February 2021	481,326	\$77.39	\$50.06	\$83.51	\$13.77	\$13.29	\$238.02	
March 2021	483,763	\$88.55	\$65.11	\$103.32	\$18.83	\$16.46	\$292.27	
April 2021	483,831	\$82.08	\$65.60	\$103.19	\$16.92	\$15.73	\$283.52	
May 2021	486,505	\$89.59	\$66.24	\$97.55	\$14.50	\$15.68	\$283.57	
June 2021	488,764	\$90.27	\$71.77	\$100.83	\$16.31	\$16.45	\$295.64	
July 2021	473,300	\$92.34	\$69.97	\$101.16	\$16.70	\$16.42	\$296.60	
August 2021	452,472	\$94.91	\$66.90	\$119.11	\$16.37	\$16.61	\$313.90	
September 2021	439,660	\$85.91	\$65.64	\$111.00	\$17.65	\$15.90	\$296.09	
October 2021	428,718	\$81.71	\$66.42	\$106.14	\$17.18	\$16.44	\$287.89	
November 2021	419,121	\$78.40	\$64.31	\$105.37	\$17.82	\$15.04	\$280.94	
December 2021	412,166	\$76.92	\$64.95	\$100.14	\$15.54	\$14.76	\$272.31	
CY 2021³⁴	460,687	\$85.14	\$64.46	\$102.10	\$16.45	\$15.69	\$283.84	
January 2022	402,787	\$86.71	\$65.28	\$117.14	\$15.46	\$14.39	\$298.98	
February 2022	395,077	\$76.13	\$60.70	\$103.24	\$16.03	\$13.91	\$270.02	
March 2022	387,921	\$79.78	\$69.96	\$111.88	\$18.11	\$15.55	\$295.27	
April 2022	375,645	\$80.83	\$66.21	\$106.18	\$16.53	\$14.63	\$284.39	
May 2022	370,307	\$87.03	\$68.92	\$107.55	\$15.97	\$15.28	\$294.76	
June 2022	365,108	\$86.92	\$71.41	\$105.17	\$17.63	\$15.26	\$296.38	
July 2022	365,066	\$86.15	\$82.51	\$101.81	\$16.69	\$14.79	\$301.95	
August 2022	360,856	\$83.95	\$77.39	\$131.59	\$20.00	\$16.15	\$329.08	
September 2022	362,119	\$79.80	\$69.59	\$119.70	\$18.97	\$14.80	\$302.87	
October 2022	365,733	\$81.90	\$69.98	\$122.35	\$18.95	\$14.67	\$307.85	
November 2022	368,931	\$80.22	\$72.25	\$123.64	\$17.73	\$14.24	\$308.08	
December 2022	384,117	\$79.43	\$63.32	\$101.14	\$15.60	\$13.83	\$273.32	
CY 2022²	375,306	\$82.41	\$69.79	\$112.62	\$17.31	\$14.79	\$296.91	
January 2023	387,438	\$81.59	\$66.43	\$117.77	\$21.23	\$14.69	\$301.72	
February 2023	391,178	\$76.17	\$64.63	\$109.32	\$19.45	\$13.25	\$282.82	
March 2023	393,792	\$80.52	\$71.65	\$119.92	\$21.29	\$14.95	\$308.34	
April 2023	397,906	\$86.33	\$68.17	\$113.81	\$18.49	\$14.46	\$301.26	
May 2023	400,584	\$92.69	\$72.24	\$117.65	\$19.50	\$15.11	\$317.18	
June 2023	403,351	\$83.48	\$73.71	\$104.63	\$19.77	\$15.53	\$297.12	
July 2023	395,034	\$93.99	\$71.54	\$102.20	\$16.74	\$15.91	\$300.37	
August 2023	395,228	\$95.62	\$83.08	\$131.05	\$18.33	\$16.53	\$344.61	
September 2023	396,242	\$85.03	\$70.70	\$113.26	\$18.52	\$14.61	\$302.11	
Q1-Q3 2023³	395,639	\$86.16	\$71.35	\$114.40	\$19.26	\$15.00	\$306.17	
Annual PMPM Trends								
CY 2017 to CY 2018		4.4%	1.9%	3.8%	-7.1%	3.2%	2.7%	
CY 2018 to CY 2019		6.0%	3.3%	7.1%	-1.3%	7.0%	5.3%	
CY 2019 to CY 2020		-8.7%	-18.7%	-11.7%	-24.3%	-6.8%	-13.1%	
CY 2020 to CY 2021		7.6%	9.5%	7.3%	10.9%	5.5%	8.0%	
CY 2021 to CY 2022		-3.2%	8.3%	10.3%	5.2%	-5.7%	4.6%	
CY 2022 to Q3 2023		5.2%	2.6%	1.8%	13.0%	1.6%	3.6%	
CY 2021 to Q3 2023 (Annualized)		0.6%	5.6%	6.3%	8.8%	-2.4%	4.1%	

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from September 2023 to be directly comparable by month.

² CY 2019 and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021, CY 2022, and Q1-Q3 2023 IBNR as reported by CCOs in financial templates.

⁴ CY 2019, CY 2020, and CY 2021 data is consistent with the data that supported trends in CY 2024 rates. We rely on this data due to known issues with the data vendor transition.

Exhibit 7B
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
SSI+ Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	63,961	\$198.50	\$227.22	\$234.41	\$10.36	\$63.23	\$733.72
February 2019	63,934	\$174.57	\$213.32	\$215.61	\$8.92	\$61.06	\$673.48
March 2019	63,712	\$178.20	\$206.23	\$219.44	\$9.05	\$63.21	\$676.13
April 2019	63,901	\$183.63	\$215.72	\$227.84	\$9.80	\$64.71	\$701.69
May 2019	63,768	\$192.95	\$218.29	\$225.39	\$8.69	\$65.25	\$710.57
June 2019	63,938	\$161.33	\$209.80	\$207.51	\$7.81	\$61.96	\$648.42
July 2019	64,036	\$182.70	\$210.66	\$220.97	\$10.18	\$65.36	\$689.87
August 2019	63,876	\$174.78	\$207.85	\$231.27	\$10.27	\$68.17	\$692.34
September 2019	63,899	\$197.09	\$201.86	\$220.26	\$9.60	\$66.37	\$695.18
October 2019	63,899	\$212.62	\$216.94	\$239.25	\$10.97	\$67.57	\$747.35
November 2019	63,924	\$183.13	\$184.32	\$202.08	\$8.39	\$66.06	\$643.98
December 2019	64,030	\$188.51	\$194.34	\$204.91	\$7.61	\$64.27	\$659.65
CY 2019²⁴	63,907	\$185.67	\$208.88	\$220.74	\$9.30	\$64.77	\$689.36
January 2020	63,847	\$188.73	\$226.90	\$234.82	\$10.35	\$69.68	\$730.49
February 2020	63,841	\$166.78	\$206.18	\$215.37	\$9.39	\$63.40	\$661.11
March 2020	63,589	\$177.93	\$178.56	\$195.64	\$5.45	\$67.58	\$625.17
April 2020	63,509	\$136.50	\$139.25	\$147.50	\$1.42	\$56.27	\$480.95
May 2020	63,644	\$168.37	\$170.55	\$170.16	\$4.78	\$58.84	\$572.69
June 2020	63,879	\$188.05	\$192.44	\$205.15	\$7.49	\$63.46	\$656.59
July 2020	63,809	\$176.38	\$190.78	\$197.71	\$7.89	\$58.05	\$630.81
August 2020	63,777	\$168.70	\$180.01	\$197.94	\$8.44	\$60.01	\$615.10
September 2020	63,769	\$164.88	\$190.01	\$204.15	\$8.48	\$61.31	\$628.84
October 2020	63,695	\$173.83	\$192.72	\$208.37	\$8.84	\$65.03	\$648.78
November 2020	63,697	\$153.15	\$179.97	\$185.51	\$7.20	\$61.32	\$587.16
December 2020	63,532	\$168.66	\$182.73	\$186.36	\$7.42	\$64.29	\$609.46
CY 2020²⁴	63,716	\$169.33	\$185.84	\$195.72	\$7.26	\$62.44	\$620.60
January 2021	63,329	\$164.01	\$175.46	\$192.86	\$7.92	\$67.65	\$607.89
February 2021	63,319	\$164.55	\$160.21	\$172.41	\$6.83	\$57.25	\$561.26
March 2021	62,918	\$191.50	\$201.67	\$223.97	\$9.05	\$69.72	\$695.91
April 2021	62,480	\$167.44	\$200.73	\$210.93	\$8.53	\$67.08	\$654.70
May 2021	62,352	\$190.40	\$202.74	\$203.26	\$8.56	\$66.37	\$671.32
June 2021	62,201	\$175.97	\$219.42	\$214.25	\$8.69	\$69.37	\$687.70
July 2021	62,317	\$211.09	\$208.70	\$203.27	\$7.72	\$68.86	\$699.65
August 2021	62,105	\$200.82	\$188.88	\$211.90	\$8.56	\$70.08	\$680.24
September 2021	61,811	\$185.05	\$196.00	\$212.98	\$9.21	\$67.48	\$670.73
October 2021	61,544	\$163.31	\$196.46	\$209.96	\$8.68	\$69.10	\$647.51
November 2021	61,417	\$164.26	\$192.37	\$200.31	\$8.73	\$63.19	\$628.86
December 2021	61,244	\$156.75	\$186.10	\$187.86	\$7.32	\$61.65	\$599.68
CY 2021²⁴	62,253	\$177.93	\$194.06	\$203.66	\$8.32	\$66.48	\$650.45
January 2022	60,951	\$181.07	\$191.38	\$217.00	\$7.22	\$58.54	\$655.21
February 2022	60,778	\$161.99	\$185.88	\$204.53	\$8.05	\$56.15	\$616.60
March 2022	60,481	\$164.89	\$217.34	\$227.67	\$8.79	\$62.16	\$680.85
April 2022	59,975	\$155.54	\$200.07	\$211.58	\$7.83	\$58.63	\$633.64
May 2022	59,934	\$169.09	\$205.91	\$221.99	\$8.21	\$60.99	\$666.19
June 2022	59,826	\$155.99	\$212.14	\$219.90	\$8.50	\$61.25	\$657.79
July 2022	60,035	\$166.00	\$247.69	\$205.28	\$7.46	\$58.99	\$685.43
August 2022	59,883	\$160.89	\$226.17	\$249.44	\$9.77	\$64.14	\$710.41
September 2022	59,914	\$160.38	\$191.75	\$227.49	\$9.38	\$58.79	\$647.78
October 2022	60,030	\$169.43	\$189.54	\$232.59	\$10.08	\$58.01	\$659.66
November 2022	59,900	\$168.35	\$196.77	\$224.08	\$8.88	\$59.16	\$657.25
December 2022	60,502	\$151.48	\$177.84	\$194.62	\$7.77	\$58.83	\$590.54
CY 2022³	60,184	\$163.76	\$203.54	\$219.68	\$8.49	\$59.64	\$655.11
January 2023	59,914	\$172.75	\$192.67	\$235.62	\$10.04	\$60.25	\$671.34
February 2023	60,531	\$159.41	\$192.59	\$215.86	\$9.02	\$56.09	\$632.97
March 2023	60,180	\$159.25	\$207.21	\$242.47	\$11.04	\$60.95	\$680.92
April 2023	60,119	\$185.82	\$199.99	\$224.86	\$9.03	\$60.16	\$679.86
May 2023	59,998	\$185.40	\$219.98	\$248.99	\$10.02	\$62.46	\$726.85
June 2023	59,842	\$181.52	\$227.41	\$227.56	\$9.57	\$65.20	\$711.27
July 2023	59,628	\$202.94	\$221.08	\$221.51	\$8.38	\$65.02	\$718.92
August 2023	59,543	\$215.10	\$258.76	\$251.78	\$10.60	\$68.08	\$804.33
September 2023	59,366	\$175.48	\$203.38	\$221.03	\$9.63	\$59.66	\$669.18
Q1-Q3 2023³	59,902	\$181.96	\$213.67	\$232.19	\$9.70	\$61.99	\$699.52

Annual PMPM Trends

CY 2017 to CY 2018	1.5%	2.7%	5.9%	-9.0%	2.5%	3.1%
CY 2018 to CY 2019	5.5%	4.2%	6.1%	-7.0%	7.1%	5.2%
CY 2019 to CY 2020	-8.8%	-11.0%	-11.3%	-21.9%	-3.6%	-10.0%
CY 2020 to CY 2021	5.1%	4.4%	4.1%	14.5%	6.5%	4.8%
CY 2021 to CY 2022	-8.0%	4.9%	7.9%	2.1%	-10.3%	0.7%
CY 2022 to Q3 2023	12.8%	5.7%	6.5%	16.4%	4.5%	7.8%
CY 2021 to Q3 2023 (Annualized)	1.2%	5.3%	7.2%	8.6%	-3.7%	4.0%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from September 2023 to be directly comparable by month.

² CY 2019 and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021, CY 2022, and Q1-Q3 2023 IBNR as reported by CCOs in financial templates.

⁴ CY 2019, CY 2020, and CY 2021 data is consistent with the data that supported trends in CY 2024 rates. We rely on this data due to known issues with the data vendor transition.

Exhibit 7C Mississippi Division of Medicaid MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends Adults Population PMPM Costs by Month ¹							
Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	52,746	\$35.17	\$122.22	\$149.20	\$8.14	\$13.37	\$328.09
February 2019	52,322	\$34.28	\$109.15	\$133.06	\$6.79	\$12.18	\$295.46
March 2019	52,133	\$38.74	\$109.84	\$132.65	\$6.75	\$11.57	\$299.55
April 2019	52,042	\$43.27	\$115.77	\$140.22	\$8.14	\$12.36	\$319.76
May 2019	52,603	\$46.92	\$113.79	\$142.09	\$6.78	\$13.02	\$322.59
June 2019	52,901	\$39.31	\$110.19	\$130.01	\$5.88	\$12.25	\$297.64
July 2019	53,101	\$41.62	\$122.20	\$141.33	\$6.13	\$13.12	\$324.40
August 2019	52,700	\$39.88	\$113.93	\$144.41	\$6.92	\$14.32	\$319.45
September 2019	52,760	\$40.00	\$107.65	\$136.34	\$5.95	\$13.43	\$303.36
October 2019	52,643	\$43.40	\$118.10	\$149.73	\$6.93	\$14.35	\$332.50
November 2019	52,387	\$37.46	\$101.23	\$127.41	\$5.08	\$13.27	\$284.45
December 2019	52,385	\$34.95	\$106.91	\$131.01	\$5.02	\$12.93	\$290.82
CY 2019 ²⁴	52,560	\$39.58	\$112.58	\$138.12	\$6.54	\$13.01	\$309.84
January 2020	51,740	\$46.76	\$116.12	\$152.50	\$6.43	\$14.45	\$336.27
February 2020	51,070	\$39.79	\$104.78	\$137.17	\$6.10	\$12.99	\$300.84
March 2020	50,820	\$32.06	\$90.14	\$125.38	\$5.57	\$12.10	\$265.24
April 2020	50,697	\$23.82	\$59.34	\$102.21	\$2.81	\$9.82	\$198.00
May 2020	51,903	\$38.25	\$83.47	\$119.69	\$4.68	\$11.79	\$257.88
June 2020	53,590	\$39.61	\$99.65	\$138.33	\$7.03	\$12.01	\$296.63
July 2020	55,460	\$45.42	\$103.07	\$137.30	\$6.49	\$12.33	\$304.60
August 2020	56,368	\$52.45	\$99.13	\$130.62	\$5.98	\$12.28	\$300.46
September 2020	57,006	\$35.66	\$93.48	\$132.01	\$6.16	\$12.12	\$279.43
October 2020	57,418	\$33.25	\$96.70	\$133.68	\$5.89	\$12.74	\$282.26
November 2020	58,070	\$33.78	\$94.80	\$120.37	\$4.99	\$11.68	\$265.63
December 2020	58,626	\$35.31	\$92.34	\$127.51	\$5.03	\$11.46	\$271.65
CY 2020 ²⁴	54,397	\$38.01	\$94.42	\$129.73	\$5.60	\$12.15	\$279.91
January 2021	59,089	\$39.67	\$91.02	\$122.36	\$5.18	\$11.99	\$270.22
February 2021	59,414	\$28.12	\$79.21	\$105.37	\$4.61	\$9.51	\$226.81
March 2021	59,864	\$35.59	\$101.26	\$131.41	\$5.63	\$11.72	\$285.61
April 2021	60,010	\$32.42	\$99.84	\$128.36	\$6.27	\$10.70	\$277.60
May 2021	60,641	\$38.11	\$97.27	\$120.70	\$4.81	\$11.01	\$271.89
June 2021	61,139	\$41.19	\$102.94	\$131.25	\$5.16	\$11.41	\$291.95
July 2021	59,248	\$47.69	\$97.44	\$124.94	\$4.13	\$11.31	\$285.50
August 2021	56,422	\$66.68	\$98.21	\$140.09	\$4.55	\$12.57	\$322.10
September 2021	55,101	\$48.92	\$97.39	\$134.71	\$4.70	\$11.73	\$297.45
October 2021	53,607	\$39.29	\$98.05	\$124.20	\$4.30	\$11.63	\$277.47
November 2021	52,343	\$44.65	\$89.37	\$124.23	\$4.40	\$11.32	\$273.97
December 2021	51,472	\$40.19	\$97.26	\$123.50	\$4.00	\$11.72	\$276.67
CY 2021 ²⁴	57,363	\$41.88	\$95.77	\$125.93	\$4.81	\$11.38	\$279.77
January 2022	49,902	\$42.12	\$97.00	\$138.45	\$4.17	\$11.99	\$293.73
February 2022	48,632	\$32.21	\$82.54	\$118.91	\$4.53	\$10.50	\$248.69
March 2022	47,747	\$36.49	\$99.70	\$133.85	\$4.67	\$12.32	\$287.02
April 2022	45,576	\$33.08	\$99.07	\$126.28	\$4.59	\$11.79	\$274.81
May 2022	44,970	\$41.62	\$105.35	\$129.30	\$4.68	\$12.16	\$293.11
June 2022	44,155	\$35.05	\$103.56	\$135.84	\$4.36	\$13.25	\$292.06
July 2022	44,459	\$29.79	\$119.97	\$125.93	\$3.57	\$11.01	\$290.27
August 2022	43,820	\$35.57	\$115.62	\$149.35	\$4.60	\$12.28	\$317.42
September 2022	44,035	\$32.11	\$101.58	\$130.81	\$4.90	\$11.32	\$280.72
October 2022	44,498	\$33.12	\$93.75	\$126.85	\$4.30	\$11.48	\$269.50
November 2022	43,681	\$33.64	\$99.68	\$129.96	\$4.53	\$11.73	\$279.54
December 2022	47,156	\$33.92	\$88.72	\$115.59	\$3.38	\$10.27	\$251.88
CY 2022 ³	45,719	\$34.89	\$100.55	\$130.09	\$4.36	\$11.67	\$281.56
January 2023	47,530	\$43.41	\$95.14	\$133.03	\$5.42	\$10.76	\$287.76
February 2023	47,779	\$29.46	\$91.10	\$119.13	\$4.72	\$8.64	\$253.05
March 2023	48,146	\$31.28	\$103.26	\$134.54	\$5.70	\$10.45	\$285.23
April 2023	49,216	\$36.86	\$93.81	\$128.81	\$4.43	\$10.43	\$274.34
May 2023	49,600	\$41.74	\$100.95	\$133.34	\$4.59	\$11.26	\$291.88
June 2023	49,907	\$38.07	\$97.61	\$126.87	\$4.37	\$12.06	\$278.99
July 2023	48,698	\$36.97	\$96.33	\$120.47	\$3.10	\$11.42	\$268.28
August 2023	49,287	\$36.83	\$110.42	\$139.78	\$4.74	\$11.87	\$303.65
September 2023	50,895	\$41.10	\$96.07	\$116.32	\$4.42	\$10.28	\$268.19
Q1-Q3 2023 ³	49,006	\$37.30	\$98.30	\$128.03	\$4.61	\$10.80	\$279.04
Annual PMPM Trends							
CY 2017 to CY 2018		-6.4%	5.6%	1.2%	-14.4%	4.6%	1.3%
CY 2018 to CY 2019		-5.9%	-1.2%	2.3%	-14.4%	4.9%	-0.4%
CY 2019 to CY 2020		-4.0%	-16.1%	-6.1%	-14.4%	-6.7%	-9.7%
CY 2020 to CY 2021		10.2%	1.4%	-2.9%	-14.0%	-6.3%	0.0%
CY 2021 to CY 2022		-16.7%	5.0%	3.3%	-9.5%	2.5%	0.6%
CY 2022 to Q3 2023		7.9%	-2.5%	-1.8%	6.7%	-8.5%	-1.0%
CY 2021 to Q3 2023 (Annualized)		-6.0%	1.4%	0.9%	-2.2%	-2.8%	-0.1%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from September 2023 to be directly comparable by month.

² CY 2019 and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021, CY 2022, and Q1-Q3 2023 IBNR as reported by CCOs in financial templates.

⁴ CY 2019, CY 2020, and CY 2021 data is consistent with the data that supported trends in CY 2024 rates. We rely on this data due to known issues with the data vendor transition.

Exhibit 7D
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Children Population

PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2019	320,319	\$57.99	\$39.15	\$81.59	\$26.23	\$6.36	\$211.32
February 2019	319,327	\$55.38	\$40.52	\$82.46	\$22.94	\$5.57	\$206.88
March 2019	318,406	\$60.44	\$35.10	\$72.34	\$23.49	\$6.11	\$197.48
April 2019	318,338	\$61.66	\$36.84	\$76.05	\$24.55	\$6.52	\$205.62
May 2019	319,304	\$61.71	\$35.35	\$68.93	\$20.90	\$5.66	\$192.54
June 2019	319,726	\$59.86	\$36.00	\$59.04	\$22.22	\$5.26	\$182.37
July 2019	318,036	\$63.47	\$35.98	\$68.45	\$27.41	\$6.99	\$202.31
August 2019	315,611	\$61.31	\$33.76	\$77.71	\$26.04	\$7.37	\$206.19
September 2019	314,977	\$59.00	\$35.08	\$76.50	\$24.34	\$6.68	\$201.61
October 2019	315,760	\$66.65	\$38.38	\$83.45	\$27.93	\$6.57	\$222.97
November 2019	317,116	\$54.85	\$37.73	\$77.67	\$22.45	\$6.03	\$198.74
December 2019	319,306	\$64.96	\$38.44	\$75.34	\$19.92	\$6.29	\$204.95
CY 2019²	318,019	\$60.61	\$36.86	\$74.96	\$24.03	\$6.28	\$202.75
January 2020	319,102	\$57.17	\$37.26	\$84.59	\$24.96	\$6.81	\$210.81
February 2020	316,814	\$50.71	\$36.33	\$80.16	\$22.92	\$6.25	\$196.37
March 2020	315,499	\$52.94	\$26.92	\$62.95	\$14.54	\$5.55	\$162.90
April 2020	315,874	\$51.13	\$12.05	\$43.64	\$1.09	\$3.65	\$111.55
May 2020	319,025	\$53.28	\$19.92	\$50.25	\$12.06	\$4.41	\$139.91
June 2020	325,575	\$56.50	\$25.08	\$60.55	\$19.54	\$5.12	\$166.79
July 2020	331,246	\$58.33	\$25.39	\$62.74	\$21.01	\$5.41	\$172.88
August 2020	336,372	\$53.95	\$25.14	\$64.08	\$20.72	\$6.00	\$169.89
September 2020	339,721	\$52.42	\$26.78	\$65.49	\$20.85	\$5.63	\$171.17
October 2020	343,702	\$52.91	\$27.97	\$69.42	\$21.51	\$5.68	\$177.49
November 2020	348,308	\$48.79	\$25.95	\$62.98	\$18.81	\$5.31	\$161.84
December 2020	352,599	\$57.76	\$25.19	\$61.87	\$18.55	\$5.26	\$168.62
CY 2020²	330,320	\$53.83	\$26.16	\$64.06	\$18.05	\$5.42	\$167.52
January 2021	356,200	\$59.75	\$25.59	\$64.16	\$19.42	\$5.23	\$174.15
February 2021	358,593	\$52.85	\$21.98	\$57.28	\$16.84	\$4.78	\$153.74
March 2021	360,981	\$61.81	\$30.30	\$69.44	\$23.20	\$6.18	\$190.93
April 2021	361,341	\$57.93	\$31.42	\$72.35	\$20.56	\$5.91	\$188.16
May 2021	363,512	\$63.04	\$32.35	\$67.63	\$17.46	\$5.92	\$186.41
June 2021	365,424	\$66.20	\$35.53	\$67.98	\$19.88	\$6.29	\$195.88
July 2021	351,735	\$60.19	\$36.25	\$71.82	\$20.81	\$6.40	\$195.48
August 2021	333,945	\$61.91	\$35.97	\$92.21	\$20.09	\$6.16	\$216.33
September 2021	322,748	\$56.35	\$32.91	\$81.58	\$21.70	\$5.88	\$198.42
October 2021	313,567	\$57.07	\$33.77	\$77.52	\$21.24	\$6.33	\$195.93
November 2021	305,361	\$51.40	\$33.23	\$78.44	\$22.09	\$5.65	\$190.81
December 2021	299,450	\$51.68	\$34.01	\$73.94	\$19.30	\$5.50	\$184.43
CY 2021²	341,071	\$58.35	\$31.94	\$72.86	\$20.22	\$5.85	\$189.22
January 2022	291,934	\$60.43	\$33.42	\$88.72	\$19.18	\$5.60	\$207.35
February 2022	285,667	\$51.51	\$30.80	\$75.49	\$19.73	\$5.69	\$183.23
March 2022	279,693	\$55.59	\$34.04	\$79.95	\$22.44	\$6.39	\$198.42
April 2022	270,094	\$59.78	\$32.54	\$76.72	\$20.46	\$5.94	\$195.45
May 2022	265,403	\$63.75	\$33.94	\$76.02	\$19.60	\$6.30	\$199.61
June 2022	261,127	\$67.31	\$36.43	\$71.88	\$21.89	\$6.00	\$203.51
July 2022	260,572	\$64.80	\$41.49	\$72.04	\$20.94	\$6.22	\$205.50
August 2022	257,153	\$62.00	\$39.67	\$99.90	\$24.87	\$6.82	\$233.26
September 2022	258,170	\$57.42	\$38.52	\$91.37	\$23.47	\$6.24	\$217.02
October 2022	261,205	\$58.60	\$40.89	\$94.93	\$23.39	\$6.17	\$223.99
November 2022	265,350	\$56.14	\$41.48	\$97.88	\$21.92	\$5.30	\$222.72
December 2022	276,459	\$58.48	\$34.99	\$75.35	\$19.40	\$5.05	\$193.26
CY 2022³	269,402	\$59.65	\$36.52	\$83.36	\$21.44	\$5.98	\$206.94
January 2023	279,994	\$54.98	\$35.08	\$86.84	\$26.37	\$5.85	\$209.13
February 2023	282,868	\$52.74	\$33.33	\$81.52	\$24.24	\$5.13	\$196.95
March 2023	285,466	\$58.42	\$37.85	\$87.88	\$26.20	\$6.16	\$216.51
April 2023	288,571	\$59.55	\$36.20	\$84.02	\$22.96	\$5.62	\$208.35
May 2023	290,986	\$67.82	\$36.44	\$83.74	\$24.11	\$5.92	\$218.04
June 2023	293,602	\$56.03	\$37.50	\$71.25	\$24.62	\$5.78	\$195.18
July 2023	286,708	\$64.76	\$36.02	\$70.36	\$20.90	\$6.43	\$198.47
August 2023	286,398	\$64.00	\$41.70	\$100.43	\$22.35	\$6.59	\$235.06
September 2023	285,981	\$57.24	\$38.57	\$86.46	\$22.87	\$5.97	\$211.11
Q1-Q3 2023³	286,730	\$59.51	\$36.97	\$83.61	\$23.85	\$5.94	\$209.87
Annual PMPM Trends							
CY 2017 to CY 2018		8.9%	-1.0%	3.9%	-6.5%	3.4%	2.9%
CY 2018 to CY 2019		9.3%	4.9%	10.1%	0.0%	8.3%	7.5%
CY 2019 to CY 2020		-11.2%	-29.0%	-14.5%	-24.9%	-13.7%	-17.4%
CY 2020 to CY 2021		8.4%	22.1%	13.7%	12.0%	7.9%	13.0%
CY 2021 to CY 2022		2.2%	14.3%	14.4%	6.1%	2.1%	9.4%
CY 2022 to Q3 2023		-0.3%	1.4%	0.4%	12.9%	-0.7%	1.6%
CY 2021 to Q3 2023 (Annualized)		1.1%	8.1%	7.6%	9.2%	0.8%	5.7%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from September 2023 to be directly comparable by month.

² CY 2019 and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021, CY 2022, and Q1-Q3 2023 IBNR as reported by CCOs in financial templates.

⁴ CY 2019, CY 2020, and CY 2021 data is consistent with the data that supported trends in CY 2024 rates. We rely on this data due to known issues with the data vendor transition.

Exhibit 7E Mississippi Division of Medicaid MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends Deliveries Per-Delivery Costs by Month¹								
Month	Deliveries	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total	
January 2019	1,695	\$3,986.61	\$6.36	\$1,127.91	\$0.05	\$19.20	\$5,140.14	
February 2019	1,415	\$3,944.71	\$12.76	\$1,101.04	\$0.04	\$17.57	\$5,076.12	
March 2019	1,508	\$3,983.59	\$8.37	\$1,088.77	\$0.00	\$19.28	\$5,100.02	
April 2019	1,468	\$3,904.85	\$9.85	\$1,086.34	\$0.08	\$26.65	\$5,027.76	
May 2019	1,493	\$4,103.76	\$14.23	\$1,123.88	\$0.00	\$21.75	\$5,263.62	
June 2019	1,449	\$3,936.77	\$15.86	\$1,076.32	\$0.00	\$21.09	\$5,050.04	
July 2019	1,797	\$3,864.92	\$12.67	\$1,074.26	\$0.00	\$15.48	\$4,967.34	
August 2019	1,721	\$3,920.93	\$10.89	\$1,113.94	\$0.03	\$20.65	\$5,066.44	
September 2019	1,717	\$3,975.27	\$12.86	\$1,123.17	\$0.17	\$17.94	\$5,129.40	
October 2019	1,732	\$4,080.55	\$13.20	\$1,178.12	\$0.00	\$22.64	\$5,294.51	
November 2019	1,522	\$3,936.21	\$13.54	\$1,162.09	\$0.00	\$25.46	\$5,137.30	
December 2019	1,741	\$4,067.36	\$8.60	\$1,161.10	\$0.00	\$21.76	\$5,258.81	
CY 2019²⁴	1,605	\$3,975.46	\$11.60	\$1,118.08	\$0.03	\$20.79	\$5,125.96	
January 2020	1,684	\$4,005.61	\$15.08	\$1,148.37	\$0.07	\$16.84	\$5,185.97	
February 2020	1,417	\$3,978.15	\$11.18	\$1,144.31	\$0.00	\$26.62	\$5,160.27	
March 2020	1,479	\$3,996.25	\$11.88	\$1,122.11	\$0.00	\$20.04	\$5,150.28	
April 2020	1,405	\$3,950.93	\$10.50	\$1,125.32	\$0.21	\$19.14	\$5,106.09	
May 2020	1,449	\$4,018.44	\$16.20	\$1,162.58	\$0.00	\$19.58	\$5,216.80	
June 2020	1,557	\$3,964.22	\$13.32	\$1,141.01	\$0.00	\$19.67	\$5,138.21	
July 2020	1,668	\$3,983.33	\$13.39	\$1,168.78	\$0.00	\$14.82	\$5,180.31	
August 2020	1,708	\$4,139.11	\$11.13	\$1,193.06	\$0.00	\$17.68	\$5,360.99	
September 2020	1,698	\$3,954.77	\$6.72	\$1,125.55	\$0.07	\$15.07	\$5,102.18	
October 2020	1,553	\$3,884.76	\$11.65	\$1,184.50	\$0.00	\$18.76	\$5,099.68	
November 2020	1,535	\$3,846.04	\$12.77	\$1,120.32	\$0.00	\$22.37	\$5,001.49	
December 2020	1,491	\$3,792.28	\$9.23	\$1,147.52	\$0.00	\$17.87	\$4,966.90	
CY 2020²⁴	1,554	\$3,959.49	\$11.92	\$1,148.62	\$0.03	\$19.04	\$5,139.10	
January 2021	1,407	\$4,269.88	\$12.37	\$1,149.08	\$0.00	\$17.68	\$5,449.00	
February 2021	1,314	\$4,338.51	\$7.37	\$1,105.84	\$0.04	\$15.96	\$5,467.73	
March 2021	1,459	\$4,219.80	\$9.95	\$1,093.70	\$0.00	\$19.23	\$5,342.69	
April 2021	1,218	\$4,353.13	\$10.97	\$1,139.38	\$0.00	\$15.08	\$5,518.56	
May 2021	1,331	\$4,216.00	\$10.05	\$1,101.03	\$0.00	\$19.13	\$5,346.21	
June 2021	1,424	\$4,281.00	\$12.71	\$1,107.79	\$0.00	\$23.12	\$5,424.63	
July 2021	1,356	\$4,403.17	\$9.99	\$1,115.62	\$0.00	\$13.70	\$5,542.48	
August 2021	1,480	\$4,574.54	\$11.38	\$1,112.47	\$0.00	\$20.46	\$5,718.86	
September 2021	1,398	\$4,436.80	\$7.97	\$1,147.27	\$0.00	\$13.67	\$5,605.71	
October 2021	1,354	\$4,347.47	\$6.05	\$1,100.21	\$0.08	\$11.60	\$5,465.42	
November 2021	1,193	\$4,330.23	\$11.26	\$1,102.57	\$0.04	\$17.15	\$5,461.26	
December 2021	1,258	\$4,335.88	\$11.09	\$1,093.18	\$0.00	\$17.63	\$5,457.78	
CY 2021³⁴	1,349	\$4,342.20	\$10.10	\$1,114.01	\$0.01	\$17.04	\$5,483.36	
January 2022	1,224	\$4,170.24	\$11.88	\$1,110.57	\$0.00	\$15.46	\$5,308.14	
February 2022	1,076	\$4,165.75	\$8.76	\$1,122.41	\$0.00	\$16.47	\$5,313.39	
March 2022	1,165	\$4,056.51	\$7.35	\$1,134.45	\$0.00	\$15.91	\$5,214.22	
April 2022	985	\$4,004.37	\$10.69	\$1,142.38	\$0.07	\$17.30	\$5,174.81	
May 2022	1,037	\$4,085.38	\$16.03	\$1,112.22	\$0.00	\$14.54	\$5,228.18	
June 2022	1,097	\$4,134.15	\$10.93	\$1,142.85	\$0.00	\$17.84	\$5,305.77	
July 2022	1,154	\$4,219.66	\$15.71	\$1,141.16	\$0.00	\$19.22	\$5,395.75	
August 2022	1,316	\$4,159.10	\$7.60	\$1,157.20	\$0.00	\$17.25	\$5,341.15	
September 2022	1,127	\$4,033.51	\$4.55	\$1,132.74	\$0.00	\$15.39	\$5,186.20	
October 2022	1,022	\$3,939.42	\$10.14	\$1,064.58	\$0.00	\$21.26	\$5,035.39	
November 2022	1,069	\$4,014.81	\$9.07	\$1,078.98	\$0.00	\$16.60	\$5,119.46	
December 2022	1,142	\$4,019.67	\$11.53	\$1,088.28	\$0.00	\$19.61	\$5,139.09	
CY 2022³	1,118	\$4,083.55	\$10.35	\$1,118.99	\$0.01	\$17.24	\$5,230.13	
January 2023	1,188	\$4,128.77	\$10.31	\$1,067.62	\$0.00	\$21.55	\$5,228.25	
February 2023	936	\$4,123.92	\$7.56	\$1,124.17	\$0.00	\$14.35	\$5,270.00	
March 2023	1,003	\$4,142.21	\$10.78	\$1,139.85	\$0.00	\$12.04	\$5,304.88	
April 2023	870	\$4,256.60	\$10.99	\$1,161.69	\$0.00	\$19.83	\$5,449.10	
May 2023	963	\$4,186.91	\$7.84	\$1,098.70	\$0.09	\$11.76	\$5,305.29	
June 2023	984	\$4,328.17	\$14.02	\$1,114.63	\$0.00	\$15.42	\$5,472.23	
July 2023	1,003	\$4,776.62	\$19.34	\$1,088.17	\$0.00	\$23.66	\$5,907.78	
August 2023	1,083	\$4,928.49	\$12.33	\$1,143.34	\$0.00	\$20.30	\$6,104.47	
September 2023	1,003	\$4,797.80	\$20.63	\$1,107.27	\$0.00	\$16.42	\$5,942.12	
Q1-Q3 2023³	1,004	\$4,407.72	\$12.64	\$1,116.16	\$0.01	\$17.26	\$5,553.79	
Annual PMPM Trends								
CY 2017 to CY 2018		1.7%	6.1%	-2.4%	145.9%	46.1%	1.0%	
CY 2018 to CY 2019		0.4%	48.7%	-2.4%	12.8%	-35.8%	-0.3%	
CY 2019 to CY 2020		-0.4%	2.8%	2.7%	-3.4%	-8.4%	0.3%	
CY 2020 to CY 2021		9.7%	-15.3%	-3.0%	-52.4%	-10.5%	6.7%	
CY 2021 to CY 2022		-6.0%	2.5%	0.4%	-57.1%	1.2%	-4.6%	
CY 2022 to Q3 2023		9.1%	25.7%	-0.3%	70.6%	0.1%	7.1%	
CY 2021 to Q3 2023 (Annualized)		0.8%	12.7%	0.1%	-18.3%	0.7%	0.7%	

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, pharmacy rate freeze, dental reimbursement, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from September 2023 to be directly comparable by month.

² CY 2019 and CY 2020 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2021, CY 2022, and Q1-Q3 2023 IBNR as reported by CCOs in financial templates.

⁴ CY 2019, CY 2020, and CY 2021 data is consistent with the data that supported trends in CY 2024 rates. We rely on this data due to known issues with the data vendor transition.

Exhibit 8 Mississippi Division of Medicaid SFY 2025 MississippiCAN Capitation Rate Development Enhanced Match Services								
	Medical Portion of Capitation Rate	COVID-19 Vaccine Administration	Family Planning (Non-waiver)	Breast and Cervical Cancer	Indian Health Services	Home Health Services	Rehab Services	Private Duty Nursing
Non-Newborn SSI / Disabled	\$758.06	\$0.11	\$0.22	\$0.14	\$0.33	\$1.69	\$23.41	\$5.59
North Region	665.73	0.10	0.19	0.12	0.29	1.48	20.56	4.91
Central Region	789.01	0.12	0.23	0.15	0.34	1.76	24.37	5.82
South Region	830.64	0.12	0.24	0.15	0.36	1.85	25.65	6.12
Breast and Cervical Cancer	\$2,797.57	\$0.08	\$0.00	\$2,619.25	\$0.00	\$0.00	\$0.00	\$0.00
North Region	2,456.85	0.07	0.00	2,300.24	0.00	0.00	0.00	0.00
Central Region	2,911.79	0.09	0.00	2,726.18	0.00	0.00	0.00	0.00
South Region	3,065.44	0.09	0.00	2,870.04	0.00	0.00	0.00	0.00
MA Adult	\$315.11	\$0.04	\$1.24	\$0.00	\$0.06	\$0.26	\$0.87	\$0.00
North Region	313.47	0.04	1.24	0.00	0.06	0.26	0.87	0.00
Central Region	323.45	0.04	1.28	0.00	0.06	0.27	0.89	0.00
South Region	308.98	0.03	1.22	0.00	0.06	0.26	0.85	0.00
Pregnant Women	\$547.76	\$0.01	\$5.36	\$0.00	\$0.01	\$0.09	\$0.30	\$0.00
North Region	544.90	0.01	5.33	0.00	0.01	0.08	0.30	0.00
Central Region	562.24	0.02	5.50	0.00	0.01	0.09	0.31	0.00
South Region	537.10	0.01	5.25	0.00	0.01	0.08	0.30	0.00
SSI / Disabled Newborn	\$5,939.74	\$0.02	\$0.00	\$0.00	\$1.09	\$1.43	\$0.10	\$34.58
North Region	6,056.18	0.02	0.00	0.00	1.11	1.45	0.11	35.26
Central Region	6,400.74	0.02	0.00	0.00	1.17	1.54	0.11	37.26
South Region	5,399.32	0.01	0.00	0.00	0.99	1.30	0.09	31.43
Non-SSI Newborns 0 to 2 Months	\$2,066.18	\$0.00	\$0.00	\$0.00	\$0.30	\$0.09	\$0.00	\$0.03
North Region	2,106.69	0.00	0.00	0.00	0.30	0.09	0.00	0.03
Central Region	2,226.55	0.00	0.00	0.00	0.32	0.10	0.00	0.03
South Region	1,878.19	0.00	0.00	0.00	0.27	0.08	0.00	0.03
Non-SSI Newborns 3 to 12 Months	\$264.32	\$0.03	\$0.00	\$0.00	\$0.42	\$0.04	\$0.00	\$0.98
North Region	269.51	0.03	0.00	0.00	0.43	0.04	0.00	1.00
Central Region	284.84	0.03	0.00	0.00	0.45	0.04	0.00	1.06
South Region	240.28	0.02	0.00	0.00	0.38	0.03	0.00	0.89
Foster Care	\$545.39	\$0.18	\$0.32	\$0.00	\$0.00	\$0.00	\$16.91	\$4.42
North Region	556.08	0.19	0.32	0.00	0.00	0.00	17.24	4.51
Central Region	587.72	0.20	0.34	0.00	0.00	0.00	18.22	4.76
South Region	495.77	0.17	0.29	0.00	0.00	0.00	15.37	4.02
MYPAC	\$3,000.34	\$0.35	\$0.22	\$0.00	\$0.00	\$0.00	\$19.15	\$0.00
North Region	3,059.16	0.36	0.22	0.00	0.00	0.00	19.52	0.00
Central Region	3,233.21	0.38	0.23	0.00	0.00	0.00	20.63	0.00
South Region	2,727.36	0.32	0.20	0.00	0.00	0.00	17.40	0.00
MA Children	\$173.51	\$0.14	\$0.22	\$0.00	\$0.19	\$0.01	\$4.67	\$0.18
North Region	176.91	0.14	0.22	0.00	0.19	0.01	4.76	0.19
Central Region	186.98	0.15	0.23	0.00	0.20	0.01	5.03	0.20
South Region	157.72	0.13	0.20	0.00	0.17	0.00	4.24	0.17
Quasi-CHIP	\$170.10	\$0.17	\$0.25	\$0.00	\$0.18	\$0.02	\$3.46	\$0.00
North Region	173.44	0.17	0.26	0.00	0.19	0.02	3.53	0.00
Central Region	183.31	0.18	0.27	0.00	0.20	0.02	3.73	0.00
South Region	154.63	0.15	0.23	0.00	0.17	0.01	3.15	0.00

¹ COVID-19 vaccination costs are only eligible for enhanced funding through September 30, 2024

Exhibit 9A Mississippi Division of Medicaid Summary of CY 2022 MississippiCAN Encounter Claims Summary of Total Costs by Rate Cell												
Member Months	720,708	961	451,802	96,821	5,039	67,578	232,493	82,463	10,612	2,558,562	283,644	4,510,683
Total Allowed Cost												
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services												
Medical	\$38,735,708	\$62,223	\$4,649,927	\$233,254	\$1,442,451	\$1,954,611	\$3,358,857	\$240,532	\$8,785	\$5,816,102	\$679,211	\$57,181,662
Surgical	\$53,211,914	\$82,808	\$8,672,717	\$2,446,466	\$405,010	\$5,578,063	\$5,092,920	\$408,952	\$12,809	\$10,121,659	\$1,040,059	\$87,073,377
Maternity / Deliveries	\$1,746,132	\$0	\$12,769,641	\$45,126,085	\$14,004,077	\$87,571,946	\$860,044	\$108,566	\$10,786	\$2,969,914	\$308,447	\$165,475,638
Psychiatric / Substance Abuse	\$23,624,663	\$0	\$2,434,397	\$143,665	\$67,231	\$0	\$0	\$20,826,834	\$3,303,457	\$26,477,977	\$3,685,595	\$80,563,818
Skilled Nursing Facility	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Missing Data	\$252,596	\$353	\$67,078	\$115,971	\$47,509	\$216,604	\$21,777	\$1,162	\$410	\$52,478	\$4,711	\$780,647
Inpatient Facility Total	\$117,571,012	\$145,385	\$28,593,761	\$46,023,984	\$18,007,733	\$95,321,223	\$9,333,597	\$21,586,046	\$3,336,247	\$45,438,130	\$5,718,024	\$391,075,143
Outpatient Facility Services												
Emergency Room	\$22,938,424	\$20,144	\$11,328,871	\$2,982,081	\$286,736	\$1,541,127	\$5,841,876	\$663,372	\$144,890	\$24,504,299	\$1,976,198	\$72,228,018
Urgent Care	\$44	\$0	\$543	\$0	\$0	\$88	\$562	\$189	\$0	\$1,296	\$65	\$2,786
Radiology / Pathology	\$23,615,045	\$223,916	\$9,625,199	\$2,785,716	\$174,616	\$799,212	\$3,326,865	\$643,528	\$119,328	\$17,266,523	\$1,685,595	\$60,265,544
Psychiatric / Alcohol & Drug Abuse	\$4,350,667	\$209	\$224,089	\$30,507	\$0	\$0	\$0	\$942,077	\$65,185	\$7,562,627	\$535,774	\$13,711,135
Pharmacy	\$36,344,710	\$806,433	\$5,810,283	\$1,047,266	\$236,674	\$151,806	\$378,487	\$192,649	\$21,651	\$4,332,988	\$560,878	\$49,884,825
Other	\$56,804,590	\$310,509	\$17,456,655	\$3,317,494	\$729,658	\$1,150,012	\$4,021,648	\$1,420,036	\$115,922	\$33,052,656	\$3,067,448	\$121,446,626
Missing Data	\$379,856	\$3,541	\$125,915	\$25,989	\$2,970	\$10,500	\$42,526	\$4,673	\$3,114	\$224,571	\$23,032	\$846,686
Outpatient Facility Total	\$144,433,335	\$1,364,751	\$44,571,555	\$10,189,054	\$1,430,653	\$3,652,744	\$13,611,964	\$3,866,523	\$470,090	\$86,945,960	\$7,848,990	\$318,385,620
Physician Services												
IP Visits	\$9,169,942	\$14,414	\$1,305,271	\$403,870	\$4,992,242	\$12,206,068	\$2,439,382	\$70,947	\$5,378	\$1,427,872	\$142,447	\$32,177,833
IP Surgery	\$3,468,244	\$6,880	\$906,437	\$113,966	\$377,063	\$494,779	\$396,615	\$53,745	\$1,436	\$1,101,643	\$141,914	\$7,062,723
Office / Home Visits	\$34,058,451	\$92,840	\$16,511,448	\$1,158,995	\$383,580	\$2,903,566	\$9,495,209	\$2,566,180	\$294,012	\$61,905,026	\$6,563,730	\$135,933,038
Preventive Exams & Immunizations	\$4,477,324	\$13,065	\$5,763,657	\$9,763,077	\$179,566	\$7,781,313	\$9,233,768	\$723,590	\$65,573	\$18,203,815	\$1,372,423	\$57,577,171
Urgent Care Visits	\$448,428	\$1,093	\$643,782	\$59,655	\$1,122	\$2,549	\$164,050	\$112,965	\$10,207	\$2,916,835	\$338,192	\$4,698,879
ER Visits and Observation Care	\$7,452,354	\$6,664	\$3,748,456	\$1,052,021	\$94,057	\$536,868	\$1,869,894	\$226,182	\$49,173	\$8,210,261	\$655,818	\$23,901,747
OP Surgery	\$11,029,489	\$72,924	\$5,242,191	\$254,930	\$95,178	\$186,899	\$931,115	\$433,939	\$22,027	\$9,874,874	\$948,265	\$29,091,832
Physical Therapy	\$9,015,261	\$6,480	\$1,148,343	\$41,231	\$209,533	\$8,089	\$414,453	\$930,221	\$26,219	\$9,126,457	\$782,777	\$21,709,065
Psychiatric / Substance Abuse	\$32,332,756	\$6,341	\$3,857,983	\$280,741	\$3,724	\$9,720	\$6,433	\$5,734,540	\$7,579,631	\$30,365,208	\$3,628,429	\$83,805,506
Radiology / Pathology	\$12,007,665	\$105,152	\$8,416,017	\$5,438,635	\$159,987	\$630,413	\$2,948,181	\$638,436	\$77,326	\$19,090,547	\$2,000,422	\$51,512,778
Vision, Hearing, and Speech Exams	\$2,324,686	\$5,189	\$1,204,056	\$195,040	\$23,294	\$17,107	\$61,933	\$263,677	\$27,617	\$5,712,834	\$819,530	\$10,654,963
Maternity - Anesthesia	\$103,847	\$0	\$820,843	\$3,358,345	\$0	\$0	\$0	\$3,861	\$1,548	\$240,217	\$21,807	\$4,550,468
Maternity - Non-Anesthesia - Non-Deliveries	\$8,269	\$0	\$47,357	\$25,042	\$0	\$0	\$0	\$622	\$0	\$7,528	\$926	\$89,744
Maternity - Non-Anesthesia - Ancillary	\$11,082	\$0	\$78,927	\$303,051	\$0	\$0	\$0	\$514	\$0	\$18,765	\$2,066	\$414,405
Maternity - Non-Anesthesia - Cesarean Deliv	\$127,502	\$0	\$973,080	\$3,285,998	\$0	\$0	\$0	\$1,548	\$0	\$130,480	\$18,114	\$4,536,722
Maternity - Non-Anesthesia - Normal Deliver	\$131,128	\$0	\$1,098,825	\$4,359,584	\$0	\$0	\$0	\$4,452	\$2,554	\$378,698	\$38,870	\$6,014,110
Other	\$30,261,350	\$518,005	\$3,147,688	\$251,950	\$466,379	\$4,729,734	\$2,813,178	\$1,640,566	\$6,621,955	\$6,677,431	\$1,207,183	\$58,335,418
Missing Data	\$263,863	\$2,417	\$119,070	\$70,507	\$12,424	\$70,330	\$67,036	\$7,275	\$2,691	\$329,842	\$36,828	\$982,283
Physician Total	\$156,691,642	\$851,465	\$55,033,431	\$30,416,639	\$6,998,148	\$29,577,434	\$30,841,247	\$13,413,261	\$14,787,346	\$175,718,332	\$18,719,740	\$533,048,684
Pharmacy Services												
Pharmacy	\$247,823,514	\$603,003	\$58,388,609	\$3,495,061	\$2,051,512	\$677,523	\$5,028,548	\$7,005,678	\$1,627,508	\$85,836,392	\$12,716,117	\$425,253,464
Missing Data	\$691,215	\$1,008	\$163,842	\$11,948	\$4,273	\$2,508	\$14,000	\$14,553	\$6,798	\$271,249	\$39,362	\$1,220,756
Pharmacy Total	\$248,514,728	\$604,011	\$58,552,451	\$3,507,009	\$2,055,785	\$680,030	\$5,042,548	\$7,020,232	\$1,634,306	\$86,107,641	\$12,755,479	\$426,474,220
Dental Services												
Dental	\$6,641,841	\$8,370	\$2,212,633	\$330,787	\$4,653	\$55,359	\$290,546	\$2,305,374	\$247,887	\$63,889,014	\$8,897,406	\$84,883,870
Missing Data	\$17,864	\$23	\$5,869	\$848	\$11	\$43	\$202	\$3,135	\$1,242	\$177,155	\$26,350	\$232,741
Dental Total	\$6,659,705	\$8,393	\$2,218,502	\$331,634	\$4,665	\$55,402	\$290,748	\$2,308,509	\$249,129	\$64,066,168	\$8,923,756	\$85,116,612
Other Services												
Ambulance	\$9,386,077	\$5,192	\$2,091,755	\$531,311	\$143,223	\$814,867	\$680,592	\$169,949	\$78,084	\$3,103,052	\$319,278	\$17,323,381
Non-Emergency Transportation	\$4,492,408	\$18,722	\$511,708	\$116,798	\$54,136	\$24,542	\$70,129	\$29,444	\$14,595	\$555,352	\$25,705	\$5,913,538
DME	\$19,577,731	\$10,000	\$2,155,127	\$309,006	\$511,405	\$105,707	\$750,570	\$522,027	\$27,490	\$4,727,475	\$741,607	\$29,438,144
Glasses / Contacts	\$966,105	\$2,089	\$570,231	\$107,026	\$146	\$58	\$2,299	\$129,092	\$18,741	\$3,033,684	\$486,566	\$5,316,036
Other	\$8,061,239	\$2,701	\$158,939	\$7,925	\$301,790	\$12,698	\$246,264	\$401,077	\$10,037	\$1,059,083	\$105,917	\$10,367,671
Missing Data	-\$140,796	-\$183	\$726,654	\$144,417	\$168	\$100,420	\$316,359	-\$23,984	\$11,553	\$4,546,816	\$489,138	\$6,170,561
Other Total	\$42,342,764	\$38,521	\$6,214,415	\$1,216,484	\$1,010,868	\$1,058,292	\$2,066,212	\$1,227,605	\$160,500	\$17,025,461	\$2,168,210	\$74,529,331
Grand Total w/ PBA pharmacy services	\$716,213,187	\$3,012,525	\$195,184,115	\$91,684,803	\$29,507,853	\$130,345,125	\$61,186,316	\$49,422,175	\$20,637,618	\$475,301,692	\$56,134,199	\$1,828,629,609
Grand Total w/o PBA pharmacy services	\$467,698,458	\$2,408,514	\$136,631,664	\$88,177,794	\$27,452,068	\$129,665,095	\$56,143,768	\$42,401,944	\$19,003,312	\$389,194,051	\$43,378,720	\$1,402,155,389

*Pharmacy services will be excluded from capitation rates for SFY 2025 and are included for display only.

Exhibit 9B
Mississippi Division of Medicaid
Summary of CY 2022 MississippiCAN Encounter Claims
Summary of Allowed PMPM by Rate Cell

Member Months	720,708	961	451,802	96,821	5,039	67,578	232,493	82,463	10,612	2,558,562	283,644	4,510,683
PMPM Allowed Cost												
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services												
Medical	\$53.75	\$64.75	\$10.29	\$2.41	\$286.26	\$28.92	\$14.45	\$2.92	\$0.83	\$2.27	\$2.39	\$12.68
Surgical	\$73.83	\$86.17	\$19.20	\$4.18	\$485.51	\$82.54	\$21.91	\$4.96	\$1.21	\$3.96	\$3.67	\$19.30
Maternity / Deliveries	\$2.42	\$0.00	\$28.26	\$466.08	\$2,779.14	\$1,295.86	\$3.70	\$1.32	\$1.02	\$1.16	\$1.09	\$36.69
Psychiatric / Substance Abuse	\$32.78	\$0.00	\$5.39	\$1.48	\$13.34	\$0.00	\$0.00	\$252.56	\$311.29	\$10.35	\$12.99	\$17.86
Skilled Nursing Facility	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Missing Data	\$0.35	\$0.37	\$0.15	\$1.20	\$9.43	\$3.21	\$0.09	\$0.01	\$0.04	\$0.02	\$0.02	\$0.17
Inpatient Facility Total	\$163.13	\$151.28	\$63.29	\$475.35	\$3,573.67	\$1,410.54	\$40.15	\$261.77	\$314.38	\$17.76	\$20.16	\$86.70
Outpatient Facility Services												
Emergency Room	\$31.83	\$20.96	\$25.07	\$30.80	\$56.90	\$22.81	\$25.13	\$8.04	\$13.65	\$9.58	\$6.97	\$16.01
Urgent Care	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Radiology / Pathology	\$32.77	\$233.00	\$21.30	\$28.77	\$34.65	\$11.83	\$14.31	\$7.80	\$11.24	\$6.75	\$5.94	\$13.36
Psychiatric / Alcohol & Drug Abuse	\$6.04	\$0.22	\$0.50	\$0.32	\$0.00	\$0.00	\$0.00	\$11.42	\$6.14	\$2.96	\$1.89	\$3.04
Pharmacy	\$50.43	\$839.16	\$12.86	\$10.82	\$46.97	\$2.25	\$1.63	\$2.34	\$2.04	\$1.69	\$1.98	\$11.06
Other	\$78.82	\$323.11	\$38.64	\$34.26	\$144.80	\$17.02	\$17.30	\$17.22	\$10.92	\$12.92	\$10.81	\$26.92
Missing Data	\$0.53	\$3.68	\$0.28	\$0.27	\$0.59	\$0.16	\$0.18	\$0.06	\$0.29	\$0.09	\$0.08	\$0.19
Outpatient Facility Total	\$200.40	\$1,420.14	\$98.65	\$105.24	\$283.92	\$54.05	\$58.55	\$46.89	\$44.30	\$33.98	\$27.67	\$70.58
Physician Services												
IP Visits	\$12.72	\$15.00	\$2.89	\$4.17	\$990.72	\$180.62	\$10.49	\$0.86	\$0.51	\$0.56	\$0.50	\$7.13
IP Surgery	\$4.81	\$7.16	\$2.01	\$1.18	\$74.83	\$7.32	\$1.71	\$0.65	\$0.14	\$0.43	\$0.50	\$1.57
Office / Home Visits	\$47.26	\$96.61	\$36.55	\$11.97	\$76.12	\$42.97	\$40.84	\$31.12	\$27.71	\$24.20	\$23.14	\$30.14
Preventive Exams & Immunizations	\$6.21	\$13.60	\$12.76	\$100.84	\$35.64	\$115.15	\$39.72	\$8.77	\$6.18	\$7.11	\$4.84	\$12.76
Urgent Care Visits	\$0.62	\$1.14	\$1.42	\$0.62	\$0.22	\$0.04	\$0.71	\$1.37	\$0.96	\$1.14	\$1.19	\$1.04
ER Visits and Observation Care	\$10.34	\$6.93	\$8.30	\$10.87	\$18.67	\$7.94	\$8.04	\$2.74	\$4.63	\$3.21	\$2.31	\$5.30
OP Surgery	\$15.30	\$75.88	\$11.60	\$2.63	\$18.89	\$2.77	\$4.00	\$5.26	\$2.08	\$3.86	\$3.34	\$6.45
Physical Therapy	\$12.51	\$6.74	\$2.54	\$0.43	\$41.58	\$0.12	\$1.78	\$11.28	\$2.47	\$3.57	\$2.76	\$4.81
Psychiatric / Substance Abuse	\$44.86	\$6.60	\$8.54	\$2.90	\$0.74	\$0.14	\$0.03	\$69.54	\$714.25	\$11.87	\$12.79	\$18.58
Radiology / Pathology	\$16.66	\$109.42	\$18.63	\$56.17	\$31.75	\$9.33	\$12.68	\$7.74	\$7.29	\$7.46	\$7.05	\$11.42
Vision, Hearing, and Speech Exams	\$3.23	\$5.40	\$2.67	\$2.01	\$4.62	\$0.25	\$0.27	\$3.20	\$2.60	\$2.23	\$2.89	\$2.36
Maternity - Anesthesia	\$0.14	\$0.00	\$1.82	\$34.69	\$0.00	\$0.00	\$0.00	\$0.05	\$0.15	\$0.09	\$0.08	\$1.01
Maternity - Non-Anesthesia - Non-Deliveries	\$0.01	\$0.00	\$0.10	\$0.26	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.02
Maternity - Non-Anesthesia - Ancillary	\$0.02	\$0.00	\$0.17	\$3.13	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00	\$0.01	\$0.01	\$0.09
Maternity - Non-Anesthesia - Cesarean Deliv	\$0.18	\$0.00	\$2.15	\$33.94	\$0.00	\$0.00	\$0.00	\$0.02	\$0.00	\$0.05	\$0.06	\$1.01
Maternity - Non-Anesthesia - Normal Deliver	\$0.18	\$0.00	\$2.43	\$45.03	\$0.00	\$0.00	\$0.00	\$0.05	\$0.24	\$0.15	\$0.14	\$1.33
Other	\$41.99	\$539.03	\$6.97	\$2.60	\$92.55	\$69.99	\$12.10	\$19.89	\$624.01	\$2.61	\$4.26	\$12.93
Missing Data	\$0.37	\$2.51	\$0.26	\$0.73	\$2.47	\$1.04	\$0.29	\$0.09	\$0.25	\$0.13	\$0.13	\$0.22
Physician Total	\$217.41	\$886.02	\$121.81	\$314.15	\$1,388.80	\$437.68	\$132.65	\$162.66	\$1,393.46	\$68.68	\$66.00	\$118.17
Pharmacy Services												
Pharmacy	\$343.86	\$627.47	\$129.23	\$36.10	\$407.13	\$10.03	\$21.63	\$84.96	\$153.36	\$33.55	\$44.83	\$94.28
Missing Data	\$0.96	\$1.05	\$0.36	\$0.12	\$0.85	\$0.04	\$0.06	\$0.18	\$0.64	\$0.11	\$0.14	\$0.27
Pharmacy Total	\$344.82	\$628.52	\$129.60	\$36.22	\$407.97	\$10.06	\$21.69	\$85.13	\$154.01	\$33.65	\$44.97	\$94.55
Dental Services												
Dental	\$9.22	\$8.71	\$4.90	\$3.42	\$0.92	\$0.82	\$1.25	\$27.96	\$23.36	\$24.97	\$31.37	\$18.82
Missing Data	\$0.02	\$0.02	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.04	\$0.12	\$0.07	\$0.09	\$0.05
Dental Total	\$9.24	\$8.73	\$4.91	\$3.43	\$0.93	\$0.82	\$1.25	\$27.99	\$23.48	\$25.04	\$31.46	\$18.87
Other Services												
Ambulance	\$13.02	\$5.40	\$4.63	\$5.49	\$28.42	\$12.06	\$2.93	\$2.06	\$7.36	\$1.21	\$1.13	\$3.84
Non-Emergency Transportation	\$6.23	\$19.48	\$1.13	\$1.21	\$10.74	\$0.36	\$0.30	\$0.36	\$1.38	\$0.22	\$0.09	\$1.31
DME	\$27.16	\$10.41	\$4.77	\$3.19	\$101.49	\$1.56	\$3.23	\$6.33	\$2.59	\$1.85	\$2.61	\$6.53
Glasses / Contacts	\$1.34	\$2.17	\$1.26	\$1.11	\$0.03	\$0.00	\$0.01	\$1.57	\$1.77	\$1.19	\$1.72	\$1.18
Other	\$11.19	\$2.81	\$0.35	\$0.08	\$59.89	\$0.19	\$1.06	\$4.86	\$0.95	\$0.41	\$0.37	\$2.30
Missing Data	-\$0.20	-\$0.19	\$1.61	\$1.49	\$0.03	\$1.49	\$1.36	-\$0.29	\$1.09	\$1.78	\$1.72	\$1.37
Other Total	\$58.75	\$40.08	\$13.75	\$12.56	\$200.61	\$15.66	\$8.89	\$14.89	\$15.12	\$6.65	\$7.64	\$16.52
Grand Total w/ PBA pharmacy services	\$993.76	\$3,134.78	\$432.01	\$946.95	\$5,855.89	\$1,928.81	\$263.17	\$599.33	\$1,944.74	\$185.77	\$197.90	\$405.40
Grand Total w/o PBA pharmacy services	\$648.94	\$2,506.26	\$302.41	\$910.73	\$5,447.92	\$1,918.75	\$241.49	\$514.19	\$1,790.74	\$152.11	\$152.93	\$310.85

*Pharmacy services will be excluded from capitation rates for SFY 2025 and are included for display only.

Exhibit 9C Mississippi Division of Medicaid Summary of CY 2022 MississippiCAN Encounter Claims Summary of Total Costs by Rate Cell												
Member Months	720,708	961	451,802	96,821	5,039	67,578	232,493	82,463	10,612	2,558,562	283,644	4,510,683
% of Total Allowed Cost												
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services												
Medical	5.4%	2.1%	2.4%	0.3%	4.9%	1.5%	5.5%	0.5%	0.0%	1.2%	1.2%	3.1%
Surgical	7.4%	2.7%	4.4%	0.4%	8.3%	4.3%	8.3%	0.8%	0.1%	2.1%	1.9%	4.8%
Maternity / Deliveries	0.2%	0.0%	6.5%	49.2%	47.5%	67.2%	1.4%	0.2%	0.1%	0.6%	0.5%	9.0%
Psychiatric / Substance Abuse	3.3%	0.0%	1.2%	0.2%	0.2%	0.0%	0.0%	42.1%	16.0%	5.6%	6.6%	4.4%
Skilled Nursing Facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing Data	0.0%	0.0%	0.0%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Inpatient Facility Total	16.4%	4.8%	14.6%	50.2%	61.0%	73.1%	15.3%	43.7%	16.2%	9.6%	10.2%	21.4%
Outpatient Facility Services												
Emergency Room	3.2%	0.7%	5.8%	3.3%	1.0%	1.2%	9.5%	1.3%	0.7%	5.2%	3.5%	3.9%
Urgent Care	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Radiology / Pathology	3.3%	7.4%	4.9%	3.0%	0.6%	0.6%	5.4%	1.3%	0.6%	3.6%	3.0%	3.3%
Psychiatric / Alcohol & Drug Abuse	0.6%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	1.9%	0.3%	1.6%	1.0%	0.7%
Pharmacy	5.1%	26.8%	3.0%	1.1%	0.8%	0.1%	0.6%	0.4%	0.1%	0.9%	1.0%	2.7%
Other	7.9%	10.3%	8.9%	3.6%	2.5%	0.9%	6.6%	2.9%	0.6%	7.0%	5.5%	6.6%
Missing Data	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Outpatient Facility Total	20.2%	45.3%	22.8%	11.1%	4.8%	2.8%	22.2%	7.8%	2.3%	18.3%	14.0%	17.4%
Physician Services												
IP Visits	1.3%	0.5%	0.7%	0.4%	16.9%	9.4%	4.0%	0.1%	0.0%	0.3%	0.3%	1.8%
IP Surgery	0.5%	0.2%	0.5%	0.1%	1.3%	0.4%	0.6%	0.1%	0.0%	0.2%	0.3%	0.4%
Office / Home Visits	4.8%	3.1%	8.5%	1.3%	1.3%	2.2%	15.5%	5.2%	1.4%	13.0%	11.7%	7.4%
Preventive Exams & Immunizations	0.6%	0.4%	3.0%	10.6%	0.6%	6.0%	15.1%	1.5%	0.3%	3.8%	2.4%	3.1%
Urgent Care Visits	0.1%	0.0%	0.3%	0.1%	0.0%	0.0%	0.3%	0.2%	0.0%	0.6%	0.6%	0.3%
ER Visits and Observation Care	1.0%	0.2%	1.9%	1.1%	0.3%	0.4%	3.1%	0.5%	0.2%	1.7%	1.2%	1.3%
OP Surgery	1.5%	2.4%	2.7%	0.3%	0.3%	0.1%	1.5%	0.9%	0.1%	2.1%	1.7%	1.6%
Physical Therapy	1.3%	0.2%	0.6%	0.0%	0.7%	0.0%	0.7%	1.9%	0.1%	1.9%	1.4%	1.2%
Psychiatric / Substance Abuse	4.5%	0.2%	2.0%	0.3%	0.0%	0.0%	0.0%	11.6%	36.7%	6.4%	6.5%	4.6%
Radiology / Pathology	1.7%	3.5%	4.3%	5.9%	0.5%	0.5%	4.8%	1.3%	0.4%	4.0%	3.6%	2.8%
Vision, Hearing, and Speech Exams	0.3%	0.2%	0.6%	0.2%	0.1%	0.0%	0.1%	0.5%	0.1%	1.2%	1.5%	0.6%
Maternity - Anesthesia	0.0%	0.0%	0.4%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%
Maternity - Non-Anesthesia - Non-Deliveries	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Maternity - Non-Anesthesia - Ancillary	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Maternity - Non-Anesthesia - Cesarean Deliv	0.0%	0.0%	0.5%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
Maternity - Non-Anesthesia - Normal Deliver	0.0%	0.0%	0.6%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%
Other	4.2%	17.2%	1.6%	0.3%	1.6%	3.6%	4.6%	3.3%	32.1%	1.4%	2.2%	3.2%
Missing Data	0.0%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%
Physician Total	21.9%	28.3%	28.2%	33.2%	23.7%	22.7%	50.4%	27.1%	71.7%	37.0%	33.3%	29.2%
Pharmacy Services												
Pharmacy	34.6%	20.0%	29.9%	3.8%	7.0%	0.5%	8.2%	14.2%	7.9%	18.1%	22.7%	23.3%
Missing Data	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
Pharmacy Total	34.7%	20.0%	30.0%	3.8%	7.0%	0.5%	8.2%	14.2%	7.9%	18.1%	22.7%	23.3%
Dental Services												
Dental	0.9%	0.3%	1.1%	0.4%	0.0%	0.0%	0.5%	4.7%	1.2%	13.4%	15.9%	4.6%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dental Total	0.9%	0.3%	1.1%	0.4%	0.0%	0.0%	0.5%	4.7%	1.2%	13.5%	15.9%	4.7%
Other Services												
Ambulance	1.3%	0.2%	1.1%	0.6%	0.5%	0.6%	1.1%	0.3%	0.4%	0.7%	0.6%	0.9%
Non-Emergency Transportation	0.6%	0.6%	0.3%	0.1%	0.2%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.3%
DME	2.7%	0.3%	1.1%	0.3%	1.7%	0.1%	1.2%	1.1%	0.1%	1.0%	1.3%	1.6%
Glasses / Contacts	0.1%	0.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.3%	0.1%	0.6%	0.9%	0.3%
Other	1.1%	0.1%	0.1%	0.0%	1.0%	0.0%	0.4%	0.8%	0.0%	0.2%	0.2%	0.6%
Missing Data	0.0%	0.0%	0.4%	0.2%	0.0%	0.1%	0.5%	0.0%	0.1%	1.0%	0.9%	0.3%
Other Total	5.9%	1.3%	3.2%	1.3%	3.4%	0.8%	3.4%	2.5%	0.8%	3.6%	3.9%	4.1%
Grand Total w/ PBA pharmacy services	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Grand Total w/o PBA pharmacy services	65.3%	80.0%	70.0%	96.2%	93.0%	99.5%	91.8%	85.8%	92.1%	81.9%	77.3%	76.7%

*Pharmacy services will be excluded from capitation rates for SFY 2025 and are included for display only.

Exhibit 10
Mississippi Division of Medicaid
Summary of Program, Population, and Reimbursement Changes

Change	Change Type	Effective Date	Impacted Rate Cells	Where Reflected in Rate Development
Hemophilia Population Carve-In	Population	January 1, 2024	All	Exhibit 2
Seasonal Virus Adjustment	Program	N/A	All	Exhibit 2
SFY 2025 Population Acuity Adjustment	Program	N/A	MA Adult, MA Children, Quasi-CHIP	Exhibit 2
SSI Children - COE Change	Program	October 1, 2018 to May 31, 2022	SSI	Exhibit 1
Gene Therapy Drug Coverage	Program	July 1, 2023	All	Exhibit 2
Preventative and Diagnostic Dental Reimbursement Change	Reimbursement	July 1, 2021, July 1, 2022 and July 1, 2023	All	Exhibit 2
Restorative Dental Reimbursement Change	Reimbursement	July 1, 2022, July 1, 2023 and July 1, 2024	All	Exhibit 2
Home Health Agency (HHA) Fee Schedule Update	Reimbursement	October 1, 2022 and October 1, 2024	All	Exhibit 2
Prescribed Pediatric Extended Care (PPEC) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2
Private Duty Nursing Services (PDN) Fee Schedule Update	Reimbursement	October 1, 2022 and July 1, 2023	All	Exhibit 2
Ambulatory Sugical Center (ASC) Fee Schedule Update	Reimbursement	October 1, 2023 and January 1, 2024	All	Exhibit 2
Behavioral Health Services (BHS) Fee Schedule Update	Reimbursement	July 1, 2023 and November 1, 2023	All	Exhibit 2
Autism Spectrum Disorder (ASD) Fee Schedule Update	Reimbursement	January 1, 2023	All	Exhibit 2
Orthodontia Services Fee Schedule Update	Reimbursement	October 1, 2023	All	Exhibit 2
Psychiatric Residential Treatment Facility (PRTF) Fee Schedule Update	Reimbursement	January 1, 2023	All	Exhibit 2
MYPAC Services Fee Schedule Update	Reimbursement	November 1, 2023	All Children's Rate Cells	Exhibit 2
Postpartum Coverage Extension	Reimbursement	July 1, 2023	Pregnant Women	Exhibit 2
MYPAC Member Identification Change		July 1, 2022	Non-Newborn SSI / Disabled, Foster Care, MYPAC, MA Children, Quasi-CHIP	Exhibit 1



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

October 31, 2024

Jennifer Wentworth
Deputy Executive Director, Finance
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Wentworth15 - MississippiCAN Capitation Risk Adjustment – Q3 to Q4 2024 Prospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2025, which are documented in a separately provided report¹ As outlined in that report and summarized by Table 1, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 Q3 to Q4 2024 MississippiCAN Risk Scores Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective July 1, 2024 through December 31, 2024 (Q3 to Q4 2024) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2025. Risk scores for January through June 2025 (Q1 to Q2 2025) will be provided in a separate letter.

As described in greater detail below, we develop Q3 to Q4 2024 risk scores using diagnoses from January 2023 to December 2023 (CY 2023) and the enrollment mix for each CCO as of June 2024. In addition, we adjusted the enrollment records to identify MYPAC rate cell members that were incorrectly assigned to other children rate cells.

Please note, the Foster Care risk scores issued in this report are preliminary estimates and will be trued up to actual enrollment retrospectively. The time periods involved in truing up Foster Care risk adjustment are described in greater detail below.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q3 to Q4 2024 were developed using:

- Diagnosis Period: Medical and drug diagnosis information from encounter and FFS claims incurred during CY 2023 with runout through April 26, 2024.
- Enrollment Period: Demographic and enrollment information from June 2024.

¹ "Report12 - SFY 2025 Preliminary MississippiCAN Rate Calculation and Certification.pdf," dated September 5, 2024.



Table 2
Q3 to Q4 2024 MississippiCAN Risk Scores
Based on CY 2023 Diagnosis Period and June 2024 Enrollment

Rate Cell	CCO	North		Central		South	
		Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	9,571	0.998	10,165	1.008	7,087	1.017
Non-Newborn SSI / Disabled	Molina	2,747	0.993	2,909	0.998	2,472	1.000
Non-Newborn SSI / Disabled	United	8,097	1.005	8,159	0.990	7,411	0.984
MA Adult	Magnolia	6,030	1.010	6,716	1.019	6,397	1.020
MA Adult	Molina	3,998	0.973	4,891	0.970	5,175	0.962
MA Adult	United	5,575	1.008	6,341	1.003	7,380	1.010
MA Children	Magnolia	29,925	1.003	35,082	1.012	29,290	1.002
MA Children	Molina	16,858	0.967	20,499	0.961	18,911	0.961
MA Children	United	27,931	1.016	32,384	1.012	31,478	1.021
Quasi-CHIP	Magnolia	3,805	1.002	4,326	1.016	3,286	0.994
Quasi-CHIP	Molina	1,949	0.973	2,175	0.955	2,001	0.965
Quasi-CHIP	United	3,842	1.012	4,271	1.007	3,766	1.024
Foster Care	Magnolia	1,519	0.984	1,570	0.970	2,155	0.969
Foster Care	Molina	251	1.080	315	1.149	445	1.159
Foster Care	United	516	1.007	459	1.002	669	0.994

Prior iterations of risk scores relied on actual enrollment during the risk adjustment period, due to data issues and the impact of different enrollment patterns during the COVID-19 pandemic and related public health emergency (PHE). This release of risk scores for July to December 2024 is a return to using a snapshot of enrollment to prospectively set risk scores.

Only MississippiCAN-eligible members enrolled in a CCO during June 2024 were considered in this analysis. Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found on the enrollment record, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data, is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information. In addition, for some populations a variable based upon the length of enrollment during the diagnostic period is included in the risk score calculation.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment records.

Starting in July 2021, some members in the MYPAC rate cell, which is not risk adjusted, were not correctly assigned a 'SED' lock-in flag and were instead assigned to other children rate cells, including several rate cells that are risk adjusted. We identified members that utilized MYPAC services during the risk adjustment period and recategorized these members to the MYPAC rate cell for the purposes of risk adjustment calculations.

A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members aged 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2025 for all rate cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.

Risk Score Changes

The last release of risk scores included retrospective budget-neutral risk scores for Q1 to Q2 2024. These risk scores were based on January to June 2024 enrollment and diagnoses from May 2022 through April 2023 with runout through



Jennifer Wentworth
Mississippi Division of Medicaid
October 31, 2024
Page 3 of 7

April 2024. Changes in budget-neutral plan risk scores between the Q1 to Q2 2024 risk scores and the Q3 to Q4 2024 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes. Additionally, new risk weights were developed for the Q3 to Q4 2024 time period to reflect the removal of certain pharmacy claims that will now be paid through DOM's pharmacy benefits administrator (PBA), effective July 1, 2024. The development of these risk weights is documented in a separate letter.²

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column.

Table 3 Q3 to Q4 2024 MississippiCAN Risk Scores Changes in Statewide Budget Neutral Risk Scores Q1 to Q2 2024 vs. Q3 to Q4 2024				
	Risk Scores:		Q1 to Q2 2024	Q3 to Q4 2024
	Enrollment:		Jan to Jun 2024	June 2024
Cohort	Diagnosis Period:	May 2022 to April 2023	CY 2023	% Change
Non-Newborn SSI / Disabled	Magnolia	1.012	1.007	-0.49%
Non-Newborn SSI / Disabled	Molina	0.964	0.997	3.39%
Non-Newborn SSI / Disabled	United	0.999	0.993	-0.55%
MA Adult	Magnolia	1.017	1.016	-0.03%
MA Adult	Molina	0.956	0.968	1.20%
MA Adult	United	1.015	1.007	-0.76%
MA Children	Magnolia	1.005	1.006	0.11%
MA Children	Molina	0.956	0.963	0.70%
MA Children	United	1.021	1.017	-0.46%
Quasi-CHIP	Magnolia	0.998	1.005	0.72%
Quasi-CHIP	Molina	0.971	0.964	-0.77%
Quasi-CHIP	United	1.016	1.014	-0.25%
Foster Care	Magnolia	0.970	0.974	0.35%
Foster Care	Molina	1.131	1.136	0.48%
Foster Care	United	1.013	1.000	-1.27%

Exhibit 2 allocates the change in risk scores between the last release and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable.
- Column B: Updates the risk scores shown in Column A with an updated diagnosis period.
- Column C: Updates the risk scores shown in Column B with enrollment from June 2024, the snapshot enrollment month chosen to represent enrollment for July to December 2024.
- Column D: Updates the risk scores shown in Column C using the new risk weights developed for July to December 2024. This column contains the final risk scores for this release.

Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2 since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the last release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.

² "Wentworth15 - July 2024 MSCAN Risk Weight Development.pdf" dated October 31, 2024.



Table 4 Q3 to Q4 2024 MississippiCAN Risk Scores Statewide Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q1 to Q2 2024	97%	93%	96%	96%
Q3 to Q4 2024	98%	96%	98%	98%
MA Adult				
Q1 to Q2 2024	91%	89%	90%	90%
Q3 to Q4 2024	94%	94%	94%	94%
MA Children				
Q1 to Q2 2024	94%	92%	94%	94%
Q3 to Q4 2024	97%	96%	97%	97%
Quasi-CHIP				
Q1 to Q2 2024	96%	93%	95%	95%
Q3 to Q4 2024	97%	96%	97%	97%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Note, a single exhibit is provided for the Foster Care rate cell.

Table 5 Q3 to Q4 2024 MississippiCAN Risk Scores Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- Scored Members
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category
 - Count of members falling into each durational category
 - Count of members in the non-utilizer category
 - Count of members assigned to the housing insecurity category, for applicable populations
 - Disease category prevalence
 - Count of members not assigned to a CDPS + Rx category
- Unscored Members
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- Risk Adjustment Results
 - Calculation of budget neutral risk score for scored and unscored members and in total



Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell since risk scores for that population do not utilize diagnostic information.

Table 6 Q3 to Q4 2024 MississippiCAN Risk Scores Conditions with the Top Five Disease Impacts Statewide Results				
Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, low to medium	Skeletal, medium	Psychiatric, low	Psychiatric, low
2	Cardiovascular, medium	Psychiatric, low	Skeletal, very low to medium	Skeletal, very low to medium
3	Skeletal, medium	Pregnancy, incomplete	Pulmonary, low	Pulmonary, low
4	Psychiatric, high	Gastro, low	Gastro, low	Diabetes, type 1
5	CNS, low	Pregnancy, complete	CNS, low	Gastro, low

Member-Level Risk Scores

Text files providing member-level demographic, duration, diagnosis, and other risk score category information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, durational, diagnostic, and other risk score category information for each member
- The “unscored” extract provides only demographic information for each member

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the letter referenced above that describes the custom risk weight model developed for July to December 2024 for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis.

Exhibits 4A to 4F display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

CCO Capitation Rate = Base Capitation Rate x CCO Budget Neutral Risk Score

The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates after the application of the quality withhold and prior to the following directed payments, all of which are not risk adjusted.



- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

Next Steps – Foster Care Population

The above tables and attached exhibits contain preliminary risk scores for the Foster Care rate cell. These risk scores have been developed using the same enrollment period as the other rate cells. To calculate final risk scores for the Foster Care rate cell, we require actual enrollment from the risk adjusted period, and thus these risk scores must be calculated after the risk adjusted period has elapsed.

Table 7 summarizes the rating periods for SFY 2025 and when we anticipate providing each risk score update for the Foster Care rate cell.

Table 7 SFY 2025 MississippiCAN Risk Adjustment Foster Care Risk Adjustment Periods		
Rating Period	Preliminary Risk Score Release Date	Final Risk Score Release Date
Q3Q4 2024	November 2024	February 2025
Q1Q2 2025	December 2024	August 2025

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q3 to Q4 2024 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from January 2023 to December 2023 with runout through April 26, 2024, along with eligibility data from June 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q3 to Q4 2024 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.





Jennifer Wentworth
Mississippi Division of Medicaid
October 31, 2024
Page 7 of 7

Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jill Bruckert'.

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachments (Provided in Excel)

A handwritten signature in black ink, appearing to read 'Katarina Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

Caveats and Limitations
Mississippi Division of Medicaid
Q3 to Q4 2024 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q3 to Q4 2024 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from January 2023 through December 2023 with runout through April 2024 and eligibility data from June 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q3 to Q4 2024 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2024 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1A
Mississippi Division of Medicaid
Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	9,429	0.938	0.998	142	1.041	0.996	0.998
Molina	2,647	0.934	0.994	100	1.027	0.982	0.993
United	7,941	0.944	1.004	156	1.062	1.015	1.005
Total	20,017	0.940	1.000	398	1.046	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	10,033	1.022	1.008	132	1.108	1.034	1.008
Molina	2,815	1.012	0.998	94	1.082	1.010	0.998
United	8,042	1.005	0.991	117	1.022	0.954	0.990
Total	20,890	1.014	1.000	343	1.072	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,944	1.067	1.017	143	1.047	0.981	1.017
Molina	2,364	1.049	1.000	108	1.069	1.001	1.000
United	7,251	1.032	0.983	160	1.085	1.016	0.984
Total	16,559	1.049	1.000	411	1.068	1.000	1.000

Exhibit 1B
Mississippi Division of Medicaid
MA Adult Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	5,678	0.976	1.011	352	0.939	0.997	1.010
Molina	3,710	0.939	0.972	288	0.930	0.988	0.973
United	5,247	0.973	1.008	328	0.954	1.013	1.008
Total	14,635	0.966	1.000	968	0.942	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,354	0.994	1.020	362	0.956	1.000	1.019
Molina	4,607	0.943	0.968	284	0.952	0.995	0.970
United	5,985	0.977	1.003	356	0.960	1.004	1.003
Total	16,946	0.974	1.000	1,002	0.956	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,018	1.030	1.021	379	0.947	0.998	1.020
Molina	4,846	0.968	0.959	329	0.948	0.998	0.962
United	6,989	1.019	1.010	391	0.953	1.004	1.010
Total	17,853	1.009	1.000	1,099	0.949	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	29,017	1.007	1.004	908	0.997	0.996	1.003
Molina	16,168	0.970	0.966	690	0.993	0.992	0.967
United	27,064	1.020	1.016	867	1.011	1.010	1.016
Total	72,249	1.004	1.000	2,465	1.001	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	34,402	1.004	1.012	680	0.994	0.998	1.012
Molina	19,834	0.952	0.959	665	0.994	0.999	0.961
United	31,627	1.005	1.013	757	0.999	1.003	1.012
Total	85,863	0.993	1.000	2,102	0.996	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	28,413	1.026	1.002	877	0.995	0.998	1.002
Molina	18,084	0.982	0.960	827	0.992	0.995	0.961
United	30,615	1.046	1.022	863	1.005	1.007	1.021
Total	77,112	1.023	1.000	2,567	0.997	1.000	1.000

Exhibit 1D
Mississippi Division of Medicaid
Quasi-CHIP Risk Score Adjustment Summary - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,692	1.022	1.002	113	1.005	1.004	1.002
Molina	1,860	0.991	0.972	89	0.995	0.994	0.973
United	3,721	1.033	1.012	121	1.002	1.001	1.012
Total	9,273	1.020	1.000	323	1.001	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	4,220	1.021	1.016	106	1.015	1.020	1.016
Molina	2,109	0.959	0.954	66	0.987	0.992	0.955
United	4,179	1.012	1.007	92	0.977	0.982	1.007
Total	10,508	1.005	1.000	264	0.995	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,208	1.059	0.994	78	1.019	1.011	0.994
Molina	1,930	1.027	0.963	71	1.005	0.996	0.965
United	3,663	1.092	1.025	103	1.003	0.994	1.024
Total	8,801	1.066	1.000	252	1.009	1.000	1.000

Exhibit 1E

Mississippi Division of Medicaid

Foster Care Risk Score Adjustment Summary - Q3 to Q4 2024 Risk Scores

June 2024 Snapshot Period

North Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,519	0.941	0.984
Molina	251	1.033	1.080
United	516	0.964	1.007
Total	2,286	0.956	1.000

Central Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,570	1.011	0.970
Molina	315	1.197	1.149
United	459	1.044	1.002
Total	2,344	1.042	1.000

South Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	2,155	0.912	0.969
Molina	445	1.092	1.159
United	669	0.936	0.994
Total	3,269	0.942	1.000

Exhibit 2A Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.943	0.964	0.957	0.938	2.3%	-0.7%	-2.0%	-0.5%
Molina	0.894	0.922	0.907	0.934	3.2%	-1.6%	2.9%	4.5%
United	0.939	0.959	0.951	0.944	2.1%	-0.8%	-0.7%	0.5%
Unscored Members								
Magnolia	1.050	1.034	1.032	1.041	-1.6%	-0.1%	0.9%	-0.8%
Molina	1.007	1.033	1.001	1.027	2.6%	-3.1%	2.6%	2.0%
United	1.056	1.064	1.054	1.062	0.8%	-0.9%	0.7%	0.5%
All Members								
Magnolia	0.947	0.965	0.959	0.940	1.9%	-0.7%	-1.9%	-0.7%
Molina	0.898	0.924	0.909	0.936	2.9%	-1.6%	2.9%	4.2%
United	0.943	0.960	0.953	0.946	1.8%	-0.7%	-0.7%	0.3%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.020	1.045	1.038	1.022	2.4%	-0.7%	-1.5%	0.2%
Molina	0.966	0.980	0.968	1.012	1.5%	-1.2%	4.6%	4.8%
United	1.004	1.028	1.021	1.005	2.4%	-0.7%	-1.6%	0.1%
Unscored Members								
Magnolia	1.056	1.090	1.111	1.108	3.2%	1.9%	-0.2%	4.9%
Molina	1.070	1.090	1.071	1.082	1.8%	-1.8%	1.1%	1.1%
United	1.049	1.037	1.031	1.022	-1.1%	-0.6%	-0.9%	-2.6%
All Members								
Magnolia	1.022	1.046	1.039	1.024	2.4%	-0.7%	-1.5%	0.2%
Molina	0.970	0.982	0.970	1.013	1.2%	-1.2%	4.4%	4.4%
United	1.005	1.028	1.021	1.005	2.3%	-0.7%	-1.5%	0.0%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.046	1.076	1.063	1.067	2.9%	-1.2%	0.4%	2.1%
Molina	1.006	1.030	1.017	1.049	2.3%	-1.2%	3.1%	4.3%
United	1.025	1.045	1.034	1.032	2.0%	-1.1%	-0.3%	0.6%
Unscored Members								
Magnolia	1.075	1.058	1.057	1.047	-1.7%	-0.1%	-0.9%	-2.6%
Molina	1.036	1.061	1.058	1.069	2.4%	-0.3%	1.0%	3.2%
United	1.067	1.072	1.077	1.085	0.5%	0.5%	0.7%	1.7%
All Members								
Magnolia	1.047	1.076	1.063	1.067	2.7%	-1.2%	0.4%	1.9%
Molina	1.007	1.030	1.019	1.049	2.3%	-1.1%	3.0%	4.2%
United	1.027	1.046	1.035	1.033	1.8%	-1.0%	-0.2%	0.6%

Exhibit 2B Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.008	1.008	1.009	0.998	0.0%	0.1%	-1.1%	-1.0%
Molina	0.956	0.964	0.957	0.994	0.9%	-0.8%	3.9%	4.0%
United	1.004	1.002	1.003	1.004	-0.2%	0.1%	0.1%	0.0%
Unscored Members								
Magnolia	1.009	0.990	0.999	0.996	-1.9%	1.0%	-0.4%	-1.3%
Molina	0.967	0.989	0.969	0.982	2.2%	-2.0%	1.3%	1.6%
United	1.014	1.019	1.020	1.015	0.4%	0.2%	-0.5%	0.1%
All Members								
Magnolia	1.008	1.008	1.009	0.998	0.0%	0.1%	-1.1%	-1.0%
Molina	0.957	0.965	0.957	0.993	0.9%	-0.8%	3.8%	3.9%
United	1.005	1.003	1.003	1.005	-0.2%	0.1%	0.1%	0.0%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.014	1.015	1.015	1.008	0.1%	0.1%	-0.7%	-0.6%
Molina	0.959	0.952	0.947	0.998	-0.8%	-0.5%	5.3%	4.0%
United	0.997	0.998	0.999	0.991	0.1%	0.1%	-0.8%	-0.6%
Unscored Members								
Magnolia	0.999	1.017	1.036	1.034	1.8%	1.8%	-0.1%	3.5%
Molina	1.012	1.017	0.998	1.010	0.5%	-1.9%	1.2%	-0.3%
United	0.992	0.968	0.961	0.954	-2.5%	-0.7%	-0.8%	-3.9%
All Members								
Magnolia	1.013	1.015	1.016	1.008	0.2%	0.1%	-0.7%	-0.5%
Molina	0.962	0.953	0.949	0.998	-1.0%	-0.4%	5.2%	3.7%
United	0.997	0.998	0.999	0.990	0.1%	0.1%	-0.8%	-0.6%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.014	1.019	1.018	1.017	0.5%	-0.1%	-0.1%	0.3%
Molina	0.975	0.975	0.974	1.000	-0.1%	-0.1%	2.6%	2.5%
United	0.994	0.990	0.991	0.983	-0.4%	0.1%	-0.7%	-1.1%
Unscored Members								
Magnolia	1.013	0.994	0.992	0.981	-1.9%	-0.1%	-1.2%	-3.2%
Molina	0.976	0.997	0.993	1.001	2.2%	-0.4%	0.8%	2.5%
United	1.005	1.007	1.012	1.016	0.2%	0.4%	0.5%	1.1%
All Members								
Magnolia	1.014	1.019	1.018	1.017	0.4%	-0.1%	-0.1%	0.3%
Molina	0.975	0.976	0.975	1.000	0.0%	0.0%	2.5%	2.5%
United	0.995	0.990	0.991	0.984	-0.4%	0.1%	-0.7%	-1.1%

Exhibit 2C Mississippi Division of Medicaid Impact Analysis MA Adult Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.987	0.982	0.968	0.976	-0.5%	-1.4%	0.9%	-1.1%
Molina	0.918	0.920	0.914	0.939	0.2%	-0.7%	2.7%	2.2%
United	0.977	0.972	0.963	0.973	-0.4%	-1.0%	1.1%	-0.3%
Unscored Members								
Magnolia	0.976	0.953	0.957	0.939	-2.3%	0.4%	-1.8%	-3.8%
Molina	0.961	0.944	0.944	0.930	-1.8%	0.0%	-1.4%	-3.2%
United	0.970	0.970	0.972	0.954	0.1%	0.2%	-1.8%	-1.6%
All Members								
Magnolia	0.986	0.980	0.967	0.974	-0.6%	-1.3%	0.7%	-1.2%
Molina	0.923	0.922	0.916	0.938	-0.2%	-0.6%	2.5%	1.6%
United	0.976	0.972	0.963	0.972	-0.4%	-0.9%	0.9%	-0.4%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.988	0.994	0.993	0.994	0.7%	-0.2%	0.1%	0.6%
Molina	0.935	0.926	0.921	0.943	-1.0%	-0.5%	2.4%	0.9%
United	0.983	0.986	0.973	0.977	0.4%	-1.3%	0.4%	-0.6%
Unscored Members								
Magnolia	0.978	0.975	0.972	0.956	-0.3%	-0.3%	-1.6%	-2.2%
Molina	0.966	0.951	0.958	0.952	-1.5%	0.6%	-0.6%	-1.5%
United	0.989	0.982	0.983	0.960	-0.7%	0.1%	-2.4%	-3.0%
All Members								
Magnolia	0.987	0.994	0.992	0.992	0.7%	-0.2%	0.0%	0.5%
Molina	0.938	0.927	0.923	0.944	-1.2%	-0.4%	2.2%	0.6%
United	0.983	0.986	0.974	0.976	0.3%	-1.3%	0.2%	-0.7%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.032	1.036	1.030	1.030	0.4%	-0.6%	0.0%	-0.2%
Molina	0.958	0.960	0.954	0.968	0.1%	-0.6%	1.5%	1.0%
United	1.039	1.037	1.028	1.019	-0.2%	-0.9%	-0.8%	-1.9%
Unscored Members								
Magnolia	0.970	0.959	0.961	0.947	-1.2%	0.2%	-1.5%	-2.4%
Molina	0.964	0.957	0.954	0.948	-0.7%	-0.3%	-0.7%	-1.7%
United	0.968	0.959	0.960	0.953	-1.0%	0.1%	-0.8%	-1.6%
All Members								
Magnolia	1.026	1.033	1.026	1.025	0.7%	-0.7%	-0.1%	-0.1%
Molina	0.960	0.960	0.954	0.967	0.0%	-0.6%	1.4%	0.8%
United	1.032	1.034	1.024	1.016	0.1%	-0.9%	-0.8%	-1.6%

Exhibit 2D Mississippi Division of Medicaid Impact Analysis MA Adult Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.022	1.019	1.016	1.011	-0.2%	-0.3%	-0.5%	-1.0%
Molina	0.951	0.956	0.959	0.972	0.5%	0.4%	1.3%	2.3%
United	1.011	1.010	1.011	1.008	-0.1%	0.1%	-0.3%	-0.3%
Unscored Members								
Magnolia	1.007	0.997	0.999	0.997	-1.0%	0.2%	-0.1%	-1.0%
Molina	0.991	0.987	0.985	0.988	-0.4%	-0.2%	0.3%	-0.3%
United	1.000	1.014	1.014	1.013	1.4%	0.0%	-0.1%	1.3%
All Members								
Magnolia	1.020	1.018	1.015	1.010	-0.2%	-0.3%	-0.5%	-1.0%
Molina	0.955	0.957	0.961	0.973	0.2%	0.4%	1.2%	1.8%
United	1.010	1.010	1.011	1.008	0.0%	0.1%	-0.3%	-0.1%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.017	1.022	1.027	1.020	0.5%	0.5%	-0.7%	0.4%
Molina	0.962	0.952	0.953	0.968	-1.1%	0.2%	1.6%	0.6%
United	1.011	1.014	1.007	1.003	0.2%	-0.7%	-0.4%	-0.8%
Unscored Members								
Magnolia	0.999	1.004	1.000	1.000	0.5%	-0.4%	0.0%	0.1%
Molina	0.987	0.980	0.985	0.995	-0.7%	0.5%	1.0%	0.8%
United	1.011	1.012	1.012	1.004	0.1%	0.0%	-0.8%	-0.7%
All Members								
Magnolia	1.015	1.021	1.026	1.019	0.6%	0.5%	-0.6%	0.4%
Molina	0.964	0.953	0.955	0.970	-1.2%	0.2%	1.5%	0.5%
United	1.011	1.014	1.007	1.003	0.2%	-0.6%	-0.4%	-0.8%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.017	1.020	1.021	1.021	0.3%	0.1%	0.0%	0.4%
Molina	0.944	0.945	0.946	0.959	0.1%	0.1%	1.4%	1.6%
United	1.024	1.021	1.019	1.010	-0.3%	-0.1%	-0.9%	-1.3%
Unscored Members								
Magnolia	1.003	1.000	1.002	0.998	-0.2%	0.2%	-0.5%	-0.5%
Molina	0.996	0.999	0.995	0.998	0.3%	-0.3%	0.3%	0.3%
United	1.001	1.001	1.001	1.004	0.0%	0.1%	0.2%	0.3%
All Members								
Magnolia	1.015	1.019	1.020	1.020	0.4%	0.1%	-0.1%	0.4%
Molina	0.950	0.947	0.949	0.962	-0.3%	0.2%	1.4%	1.3%
United	1.021	1.020	1.018	1.010	-0.1%	-0.2%	-0.8%	-1.1%

Exhibit 2E Mississippi Division of Medicaid Impact Analysis MA Children Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.017	1.028	1.027	1.007	1.1%	0.0%	-2.0%	-0.9%
Molina	0.966	0.973	0.976	0.970	0.7%	0.3%	-0.6%	0.4%
United	1.035	1.042	1.044	1.020	0.6%	0.2%	-2.3%	-1.5%
Unscored Members								
Magnolia	0.975	0.997	0.994	0.997	2.3%	-0.3%	0.4%	2.3%
Molina	0.971	0.994	0.990	0.993	2.4%	-0.4%	0.3%	2.3%
United	0.979	1.011	1.011	1.011	3.2%	0.1%	0.0%	3.3%
All Members								
Magnolia	1.014	1.027	1.026	1.007	1.3%	-0.1%	-1.9%	-0.7%
Molina	0.967	0.974	0.976	0.971	0.7%	0.3%	-0.6%	0.4%
United	1.032	1.041	1.043	1.020	0.9%	0.2%	-2.3%	-1.2%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.011	1.021	1.021	1.004	1.0%	0.0%	-1.7%	-0.7%
Molina	0.947	0.951	0.954	0.952	0.3%	0.4%	-0.2%	0.5%
United	1.018	1.019	1.020	1.005	0.1%	0.0%	-1.4%	-1.3%
Unscored Members								
Magnolia	0.970	0.992	0.988	0.994	2.3%	-0.4%	0.6%	2.4%
Molina	0.964	0.989	0.989	0.994	2.6%	0.0%	0.5%	3.2%
United	0.972	0.997	0.999	0.999	2.6%	0.2%	0.0%	2.8%
All Members								
Magnolia	1.009	1.021	1.021	1.004	1.2%	0.0%	-1.6%	-0.5%
Molina	0.949	0.952	0.956	0.953	0.3%	0.4%	-0.2%	0.5%
United	1.016	1.019	1.019	1.005	0.3%	0.0%	-1.4%	-1.1%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.025	1.041	1.045	1.026	1.5%	0.3%	-1.8%	0.0%
Molina	0.982	0.981	0.994	0.982	0.0%	1.3%	-1.2%	0.0%
United	1.052	1.064	1.070	1.046	1.1%	0.5%	-2.2%	-0.6%
Unscored Members								
Magnolia	0.971	0.991	0.991	0.995	2.0%	0.0%	0.4%	2.5%
Molina	0.970	0.983	0.984	0.992	1.4%	0.2%	0.8%	2.3%
United	0.983	1.004	1.003	1.005	2.2%	-0.2%	0.2%	2.2%
All Members								
Magnolia	1.022	1.040	1.043	1.025	1.8%	0.3%	-1.7%	0.3%
Molina	0.982	0.982	0.994	0.983	0.0%	1.3%	-1.1%	0.1%
United	1.048	1.063	1.067	1.044	1.5%	0.4%	-2.2%	-0.3%

Exhibit 2F Mississippi Division of Medicaid Impact Analysis MA Children Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.004	1.007	1.005	1.004	0.3%	-0.1%	-0.1%	0.0%
Molina	0.954	0.953	0.955	0.966	-0.1%	0.2%	1.2%	1.3%
United	1.022	1.020	1.022	1.016	-0.2%	0.1%	-0.5%	-0.6%
Unscored Members								
Magnolia	1.000	0.996	0.995	0.996	-0.4%	-0.1%	0.1%	-0.3%
Molina	0.996	0.993	0.991	0.992	-0.3%	-0.2%	0.1%	-0.4%
United	1.004	1.010	1.012	1.010	0.6%	0.3%	-0.2%	0.7%
All Members								
Magnolia	1.004	1.006	1.005	1.003	0.3%	-0.2%	-0.1%	0.0%
Molina	0.957	0.954	0.956	0.967	-0.3%	0.2%	1.2%	1.0%
United	1.021	1.020	1.021	1.016	-0.1%	0.1%	-0.5%	-0.5%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.012	1.017	1.016	1.012	0.5%	-0.1%	-0.4%	0.0%
Molina	0.948	0.946	0.949	0.959	-0.2%	0.3%	1.1%	1.2%
United	1.019	1.015	1.014	1.013	-0.4%	-0.1%	-0.2%	-0.6%
Unscored Members								
Magnolia	1.001	0.999	0.996	0.998	-0.2%	-0.4%	0.2%	-0.4%
Molina	0.995	0.996	0.997	0.999	0.1%	0.1%	0.2%	0.4%
United	1.003	1.004	1.007	1.003	0.1%	0.3%	-0.4%	0.0%
All Members								
Magnolia	1.011	1.017	1.016	1.012	0.5%	-0.1%	-0.4%	0.0%
Molina	0.951	0.948	0.951	0.961	-0.4%	0.3%	1.0%	1.0%
United	1.018	1.015	1.014	1.012	-0.3%	-0.1%	-0.2%	-0.6%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.999	1.005	1.002	1.002	0.5%	-0.3%	0.0%	0.3%
Molina	0.957	0.947	0.953	0.960	-1.0%	0.7%	0.7%	0.3%
United	1.026	1.027	1.026	1.022	0.1%	-0.1%	-0.4%	-0.4%
Unscored Members								
Magnolia	0.996	0.998	0.998	0.998	0.2%	0.0%	0.0%	0.2%
Molina	0.995	0.990	0.991	0.995	-0.5%	0.2%	0.3%	0.0%
United	1.008	1.012	1.010	1.007	0.4%	-0.2%	-0.3%	-0.1%
All Members								
Magnolia	0.999	1.004	1.002	1.002	0.5%	-0.3%	0.0%	0.3%
Molina	0.960	0.948	0.955	0.961	-1.2%	0.7%	0.6%	0.1%
United	1.024	1.027	1.025	1.021	0.2%	-0.1%	-0.4%	-0.3%

Exhibit 2G Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.052	1.070	1.064	1.022	1.7%	-0.6%	-4.0%	-2.9%
Molina	1.013	1.018	1.016	0.991	0.5%	-0.1%	-2.5%	-2.1%
United	1.070	1.082	1.072	1.033	1.1%	-0.9%	-3.7%	-3.5%
Unscored Members								
Magnolia	1.019	1.015	1.022	1.005	-0.4%	0.7%	-1.6%	-1.3%
Molina	1.023	1.011	1.011	0.995	-1.2%	0.1%	-1.6%	-2.8%
United	1.029	1.017	1.018	1.002	-1.2%	0.1%	-1.6%	-2.6%
All Members								
Magnolia	1.051	1.069	1.062	1.021	1.7%	-0.6%	-3.9%	-2.8%
Molina	1.015	1.018	1.017	0.992	0.3%	-0.1%	-2.4%	-2.3%
United	1.068	1.081	1.070	1.032	1.2%	-1.0%	-3.6%	-3.4%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.032	1.058	1.059	1.021	2.5%	0.0%	-3.6%	-1.1%
Molina	1.001	1.009	0.993	0.959	0.8%	-1.7%	-3.4%	-4.3%
United	1.034	1.048	1.050	1.012	1.4%	0.1%	-3.6%	-2.1%
Unscored Members								
Magnolia	1.032	1.035	1.037	1.015	0.3%	0.1%	-2.1%	-1.7%
Molina	1.016	1.007	1.001	0.987	-0.9%	-0.6%	-1.4%	-2.9%
United	1.005	0.983	0.992	0.977	-2.2%	0.9%	-1.5%	-2.8%
All Members								
Magnolia	1.032	1.058	1.058	1.021	2.5%	0.0%	-3.5%	-1.1%
Molina	1.002	1.009	0.993	0.960	0.7%	-1.6%	-3.4%	-4.3%
United	1.033	1.047	1.048	1.011	1.4%	0.1%	-3.5%	-2.1%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.065	1.100	1.101	1.059	3.2%	0.1%	-3.7%	-0.6%
Molina	1.047	1.066	1.059	1.027	1.8%	-0.7%	-3.0%	-2.0%
United	1.114	1.151	1.136	1.092	3.3%	-1.2%	-3.9%	-2.0%
Unscored Members								
Magnolia	1.019	1.031	1.038	1.019	1.1%	0.7%	-1.8%	0.0%
Molina	1.031	1.012	1.024	1.005	-1.8%	1.2%	-1.9%	-2.5%
United	1.006	1.024	1.024	1.003	1.8%	0.0%	-2.1%	-0.4%
All Members								
Magnolia	1.063	1.098	1.099	1.058	3.3%	0.0%	-3.7%	-0.4%
Molina	1.048	1.066	1.058	1.026	1.7%	-0.7%	-3.0%	-2.0%
United	1.109	1.148	1.133	1.090	3.5%	-1.3%	-3.9%	-1.7%

Exhibit 2H Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q1 to Q2 2024 to Q3 to Q4 2024 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.000	1.005	1.006	1.002	0.5%	0.1%	-0.4%	0.2%
Molina	0.963	0.956	0.961	0.972	-0.7%	0.5%	1.1%	0.9%
United	1.017	1.016	1.014	1.012	-0.1%	-0.3%	-0.1%	-0.5%
Unscored Members								
Magnolia	0.995	1.001	1.004	1.004	0.5%	0.4%	0.0%	0.9%
Molina	0.999	0.996	0.994	0.994	-0.3%	-0.2%	0.0%	-0.6%
United	1.005	1.002	1.000	1.001	-0.3%	-0.2%	0.0%	-0.4%
All Members								
Magnolia	1.000	1.005	1.006	1.002	0.5%	0.1%	-0.4%	0.2%
Molina	0.966	0.957	0.962	0.973	-0.9%	0.6%	1.1%	0.7%
United	1.017	1.016	1.013	1.012	-0.1%	-0.3%	-0.1%	-0.5%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	1.005	1.013	1.016	1.016	0.8%	0.3%	0.0%	1.1%
Molina	0.975	0.966	0.953	0.954	-0.9%	-1.4%	0.1%	-2.2%
United	1.007	1.003	1.007	1.007	-0.3%	0.4%	0.0%	0.0%
Unscored Members								
Magnolia	1.015	1.024	1.024	1.020	0.9%	0.0%	-0.4%	0.6%
Molina	0.999	0.996	0.989	0.992	-0.3%	-0.7%	0.3%	-0.7%
United	0.988	0.973	0.980	0.982	-1.6%	0.8%	0.2%	-0.6%
All Members								
Magnolia	1.006	1.013	1.017	1.016	0.8%	0.3%	0.0%	1.0%
Molina	0.976	0.967	0.954	0.955	-1.0%	-1.4%	0.1%	-2.2%
United	1.006	1.003	1.007	1.007	-0.3%	0.4%	0.0%	0.1%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jan 2024 to Jun 2024	Jan 2024 to Jun 2024	Jun 2024	Jun 2024	% Change Due to New Diagnosis Period	% Change Due to June 2024 Enrollment Change	% Change Due to Updated Cost Weights	Total % Change
Diagnosis Period	May 2022 to Apr 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Prior Risk Weights)	CY 2023 (Updated Risk Weights)				
Scored Members								
Magnolia	0.984	0.987	0.995	0.994	0.3%	0.8%	-0.1%	1.0%
Molina	0.968	0.957	0.957	0.963	-1.1%	0.0%	0.7%	-0.4%
United	1.029	1.032	1.027	1.025	0.3%	-0.5%	-0.3%	-0.5%
Unscored Members								
Magnolia	1.002	1.008	1.009	1.011	0.6%	0.1%	0.1%	0.9%
Molina	1.014	0.990	0.996	0.996	-2.4%	0.6%	0.1%	-1.7%
United	0.990	1.002	0.996	0.994	1.2%	-0.6%	-0.2%	0.5%
All Members								
Magnolia	0.985	0.987	0.995	0.994	0.2%	0.8%	-0.1%	1.0%
Molina	0.971	0.958	0.958	0.965	-1.3%	0.0%	0.7%	-0.6%
United	1.027	1.032	1.026	1.024	0.4%	-0.5%	-0.3%	-0.3%

Exhibit 3A Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.113	N/A	9,429	100.00%	N/A	2,647	100.00%	N/A	7,941	100.00%	N/A	20,017	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	255	2.70%	N/A	186	7.03%	N/A	249	3.14%	N/A	690	3.45%
Age 5 to 14 Male	0.184	N/A	1,079	11.44%	N/A	359	13.56%	N/A	889	11.20%	N/A	2,327	11.63%
Age 5 to 14 Female	0.265	N/A	479	5.08%	N/A	146	5.52%	N/A	445	5.60%	N/A	1,070	5.35%
Age 15 to 24 Male	0.000	N/A	863	9.15%	N/A	265	10.01%	N/A	776	9.77%	N/A	1,904	9.51%
Age 15 to 24 Female	0.187	N/A	452	4.79%	N/A	144	5.44%	N/A	427	5.38%	N/A	1,023	5.11%
Age 25 to 44 Male	0.003	N/A	1,172	12.43%	N/A	279	10.54%	N/A	1,014	12.77%	N/A	2,465	12.31%
Age 25 to 44 Female	0.133	N/A	1,058	11.22%	N/A	240	9.07%	N/A	856	10.78%	N/A	2,154	10.76%
Age 45 and Older Male	0.107	N/A	1,709	18.12%	N/A	535	20.21%	N/A	1,440	18.13%	N/A	3,684	18.40%
Age 45 and Older Female	0.027	N/A	2,362	25.05%	N/A	493	18.62%	N/A	1,845	23.23%	N/A	4,700	23.48%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	39	0.41%	N/A	27	1.02%	N/A	48	0.60%	N/A	114	0.57%
Diagnosis Period Duration, 8 Months	0.320	N/A	25	0.27%	N/A	19	0.72%	N/A	29	0.37%	N/A	73	0.36%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	87	0.92%	N/A	74	2.80%	N/A	83	1.05%	N/A	244	1.22%
Diagnosis Period Duration, 12 Months	0.000	N/A	9,278	98.40%	N/A	2,527	95.47%	N/A	7,781	97.99%	N/A	19,586	97.85%
Homelessness Category													
Homelessness	0.931	N/A	66	0.70%	N/A	28	1.06%	N/A	41	0.52%	N/A	135	0.67%
Disease Categories													
Cancer, very high	3.067	13	48	0.51%	7	20	0.76%	16	36	0.45%	13	104	0.52%
Cancer, high	0.816	24	111	1.18%	20	35	1.32%	28	81	1.02%	26	227	1.13%
Cancer, medium	0.611	26	146	1.55%	27	35	1.32%	20	159	2.00%	23	340	1.70%
Cancer, low	0.318	38	103	1.09%	38	22	0.83%	37	79	0.99%	37	204	1.02%
Cardiovascular, very high	1.460	29	46	0.49%	30	13	0.49%	24	59	0.74%	27	118	0.59%
Cardiovascular, medium	0.584	3	1,081	11.46%	2	298	11.26%	3	855	10.77%	3	2,234	11.16%
Cardiovascular, extra low to low	0.081	7	3,153	33.44%	8	706	26.67%	7	2,582	32.51%	7	6,441	32.18%
Cerebrovascular, medium	0.115	43	121	1.28%	42	35	1.32%	43	111	1.40%	44	267	1.33%
CNS, high	0.781	32	77	0.82%	31	20	0.76%	33	52	0.65%	32	149	0.74%
CNS, medium	0.479	22	205	2.17%	21	58	2.19%	21	193	2.43%	21	456	2.28%
CNS, low	0.243	5	1,507	15.98%	5	400	15.11%	5	1,333	16.79%	5	3,240	16.19%
DD, low to medium	0.174	30	360	3.82%	32	86	3.25%	30	365	4.60%	30	811	4.05%
Diabetes, type 1	0.862	19	126	1.34%	23	31	1.17%	19	113	1.42%	19	270	1.35%
Diabetes, type 2	0.199	6	1,629	17.28%	6	338	12.77%	6	1,290	16.24%	6	3,257	16.27%
Gastro, high	0.320	36	130	1.38%	36	33	1.25%	36	101	1.27%	36	264	1.32%
Gastro, medium	0.268	27	297	3.15%	29	75	2.83%	27	263	3.31%	28	635	3.17%
Gastro, low	0.135	8	1,876	19.90%	10	402	15.19%	8	1,440	18.13%	8	3,718	18.57%
Hematological, extra high	4.752	42	3	0.03%	45	0	0.00%	39	4	0.05%	41	7	0.03%
Hematological, medium to very high	0.931	12	172	1.82%	14	45	1.70%	10	169	2.13%	11	386	1.93%
Hematological, low	0.370	33	140	1.48%	33	40	1.51%	32	118	1.49%	33	298	1.49%
Infectious, high to very high	0.300	28	261	2.77%	26	76	2.87%	29	216	2.72%	29	553	2.76%
Infectious, low to medium	0.188	31	333	3.53%	28	113	4.27%	31	254	3.20%	31	700	3.50%
Metabolic, high	0.468	21	228	2.42%	18	65	2.46%	18	209	2.63%	18	502	2.51%
Metabolic, medium	0.239	11	677	7.18%	13	187	7.06%	12	563	7.09%	12	1,427	7.13%
Pregnancy, complete	0.173	44	80	0.85%	41	26	0.98%	44	72	0.91%	43	178	0.89%
Pregnancy, incomplete	0.841	39	38	0.40%	37	9	0.34%	40	21	0.26%	38	68	0.34%
Psychiatric, high	0.643	4	584	6.19%	4	162	6.12%	4	535	6.74%	4	1,281	6.40%
Psychiatric, low to medium	0.225	1	3,526	37.40%	1	1,012	38.23%	1	3,126	39.37%	1	7,664	38.29%
Pulmonary, very high	0.816	15	175	1.86%	16	48	1.81%	17	123	1.55%	17	346	1.73%
Pulmonary, high	0.481	45	19	0.20%	44	7	0.26%	45	15	0.19%	45	41	0.20%
Pulmonary, medium	0.472	14	303	3.21%	17	77	2.91%	14	261	3.29%	14	641	3.20%
Pulmonary, low	0.131	9	1,630	17.29%	12	361	13.64%	11	1,196	15.06%	10	3,187	15.92%
Rare Diseases	2.664	40	9	0.10%	40	2	0.08%	38	9	0.11%	40	20	0.10%
Renal, extra high	4.191	10	46	0.49%	9	13	0.49%	9	46	0.58%	9	105	0.52%
Renal, medium	0.362	16	382	4.05%	15	109	4.12%	15	332	4.18%	16	823	4.11%
Renal, low	0.277	23	333	3.53%	25	86	3.25%	26	263	3.31%	25	682	3.41%
Skeletal, medium	0.254	2	2,604	27.62%	3	620	23.42%	2	2,058	25.92%	2	5,282	26.39%
Skeletal, very low to low	0.070	34	685	7.26%	35	152	5.74%	34	545	6.86%	34	1,382	6.90%
Skin, low to high	0.624	25	144	1.53%	19	46	1.74%	22	141	1.78%	24	331	1.65%
Skin, very low	0.169	20	638	6.77%	24	153	5.78%	25	487	6.13%	22	1,278	6.38%
Substance abuse, low	0.324	17	384	4.07%	11	156	5.89%	13	390	4.91%	15	930	4.65%
Substance abuse, very low	0.202	35	211	2.24%	34	60	2.27%	35	167	2.10%	35	438	2.19%
Disabled Children Add-On - CNS, high	1.388	37	26	0.28%	39	4	0.15%	41	11	0.14%	39	41	0.20%
Disabled Children Add-On - Gastro, high	1.508	18	74	0.78%	22	18	0.68%	23	58	0.73%	20	150	0.75%
Disabled Children Add-On - Pulmonary, very hig	0.419	41	36	0.38%	43	9	0.34%	42	34	0.43%	42	79	0.39%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,903	20.18%	N/A	642	24.25%	N/A	1,576	19.85%	N/A	4,121	20.59%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	11	7.75%	N/A	10	10.00%	N/A	11	7.05%	N/A	32	8.04%
Age 5 to 14 Male	0.701	N/A	15	10.56%	N/A	11	11.00%	N/A	15	9.62%	N/A	41	10.30%
Age 5 to 14 Female	0.872	N/A	6	4.23%	N/A	3	3.00%	N/A	8	5.13%	N/A	17	4.27%
Age 15 to 24 Male	0.522	N/A	10	7.04%	N/A	6	6.00%	N/A	6	3.85%	N/A	22	5.53%
Age 15 to 24 Female	0.831	N/A	8	5.63%	N/A	10	10.00%	N/A	4	2.56%	N/A	22	5.53%
Age 25 to 44 Male	0.797	N/A	15	10.56%	N/A	11	11.00%	N/A	18	11.54%	N/A	44	11.08%
Age 25 to 44 Female	1.120	N/A	9	6.34%	N/A	12	12.00%	N/A	23	14.74%	N/A	44	11.06%
Age 45 and Older Male	1.188	N/A	28	19.72%	N/A	19	19.00%	N/A	35	22.44%	N/A	82	20.60%
Age 45 and Older Female	1.249	N/A	40	28.17%	N/A	18	18.00%	N/A	36	23.08%	N/A	94	23.62%
Risk Adjustment Results													
Scored Members													
		Magnolia			Molina			United			Total		
Member Months		9,429			2,647			7,941			20,017		
Unadjusted Plan Factor		0.938			0.934			0.944			0.940		
Budget Neutral Plan Factor		0.998			0.994			1.004			1.000		
Unscored Members													
Member Months		142			100			156			398		
Unadjusted Plan Factor		1.041			1.027			1.062			1.046		
Budget Neutral Plan Factor		0.996			0.982			1.015			1.000		
Total Members													
Member Months		9,571			2,747			8,097			20,415		
Unadjusted Plan Factor		0.940			0.936			0.946			0.942		
Budget Neutral Plan Factor		0.998			0.993			1.005			1.000		

Exhibit 3B Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - Central Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Magnolia				Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.113	N/A	10,033	100.00%	N/A	2,815	100.00%	N/A	8,042	100.00%	N/A	20,890	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	331	3.30%	N/A	296	10.52%	N/A	290	3.61%	N/A	917	4.39%
Age 5 to 14 Male	0.184	N/A	1,126	11.22%	N/A	374	13.29%	N/A	941	11.70%	N/A	2,441	11.69%
Age 5 to 14 Female	0.265	N/A	523	5.21%	N/A	151	5.36%	N/A	441	5.48%	N/A	1,115	5.34%
Age 15 to 24 Male	0.000	N/A	1,011	10.08%	N/A	295	10.48%	N/A	774	9.62%	N/A	2,080	9.96%
Age 15 to 24 Female	0.187	N/A	532	5.30%	N/A	152	5.40%	N/A	402	5.00%	N/A	1,086	5.20%
Age 25 to 44 Male	0.003	N/A	1,247	12.43%	N/A	298	10.59%	N/A	1,022	12.71%	N/A	2,567	12.29%
Age 25 to 44 Female	0.133	N/A	1,105	11.01%	N/A	217	7.71%	N/A	899	10.97%	N/A	2,131	10.20%
Age 45 and Older Male	0.107	N/A	1,795	17.89%	N/A	583	20.71%	N/A	1,561	19.41%	N/A	3,939	18.86%
Age 45 and Older Female	0.027	N/A	2,363	23.55%	N/A	449	15.95%	N/A	1,802	22.41%	N/A	4,614	22.09%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	37	0.37%	N/A	24	0.85%	N/A	37	0.46%	N/A	98	0.47%
Diagnosis Period Duration, 8 Months	0.320	N/A	18	0.18%	N/A	18	0.64%	N/A	27	0.34%	N/A	63	0.30%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	90	0.90%	N/A	65	2.31%	N/A	111	1.38%	N/A	266	1.27%
Diagnosis Period Duration, 12 Months	0.000	N/A	9,888	98.55%	N/A	2,708	96.20%	N/A	7,867	97.82%	N/A	20,463	97.96%
Homelessness Category													
Homelessness	0.931	N/A	94	0.94%	N/A	40	1.42%	N/A	93	1.16%	N/A	227	1.09%
Disease Categories													
Cancer, very high	3.067	10	71	0.71%	7	25	0.89%	20	35	0.44%	12	131	0.63%
Cancer, high	0.816	25	136	1.36%	24	35	1.24%	27	116	1.44%	26	287	1.37%
Cancer, medium	0.611	28	163	1.62%	27	41	1.46%	18	183	2.28%	25	387	1.85%
Cancer, low	0.318	39	90	0.90%	38	31	1.10%	40	73	0.91%	39	194	0.93%
Cardiovascular, very high	1.460	21	91	0.91%	23	21	0.75%	25	66	0.82%	23	178	0.85%
Cardiovascular, medium	0.584	2	1,091	10.87%	2	317	11.26%	2	850	10.57%	2	2,258	10.81%
Cardiovascular, extra low to low	0.081	8	3,289	32.78%	9	769	27.32%	7	2,598	32.31%	8	6,656	31.86%
Cerebrovascular, medium	0.115	41	167	1.66%	42	56	1.99%	41	144	1.79%	40	367	1.76%
CNS, high	0.781	30	116	1.16%	30	29	1.03%	28	112	1.39%	29	257	1.23%
CNS, medium	0.479	19	282	2.81%	19	77	2.74%	21	223	2.77%	20	582	2.79%
CNS, low	0.243	5	1,776	17.70%	5	491	17.44%	5	1,451	18.04%	5	3,718	17.80%
DD, low to medium	0.174	31	461	4.59%	31	119	4.23%	31	348	4.33%	31	928	4.44%
Diabetes, type 1	0.862	22	147	1.47%	22	37	1.31%	22	123	1.53%	21	307	1.47%
Diabetes, type 2	0.199	7	1,700	16.94%	8	356	12.65%	6	1,269	15.78%	7	3,325	15.92%
Gastro, high	0.320	36	156	1.55%	32	61	2.17%	36	124	1.54%	35	341	1.63%
Gastro, medium	0.268	29	362	3.61%	29	86	3.06%	30	264	3.28%	30	712	3.41%
Gastro, low	0.135	9	1,849	18.43%	13	404	14.35%	9	1,355	16.85%	9	3,608	17.27%
Hematological, extra high	4.752	45	1	0.01%	44	1	0.04%	39	6	0.07%	44	8	0.04%
Hematological, medium to very high	0.931	12	215	2.14%	18	43	1.53%	11	184	2.29%	11	442	2.12%
Hematological, low	0.370	32	185	1.84%	34	45	1.60%	35	111	1.38%	33	341	1.63%
Infectious, high to very high	0.300	26	363	3.62%	28	77	2.74%	26	319	3.97%	27	759	3.63%
Infectious, low to medium	0.188	33	353	3.52%	33	102	3.62%	32	262	3.26%	32	717	3.43%
Metabolic, high	0.468	17	323	3.22%	20	75	2.66%	15	269	3.34%	17	667	3.19%
Metabolic, medium	0.239	14	756	7.54%	15	201	7.14%	14	550	6.84%	15	1,507	7.21%
Pregnancy, complete	0.173	44	81	0.81%	45	23	0.82%	45	54	0.67%	45	158	0.76%
Pregnancy, incomplete	0.841	43	20	0.20%	36	15	0.53%	43	15	0.19%	41	50	0.24%
Psychiatric, high	0.643	4	911	9.08%	4	207	7.35%	4	710	8.83%	4	1,828	8.75%
Psychiatric, low to medium	0.225	1	3,996	39.83%	1	1,080	38.37%	1	3,164	39.34%	1	8,240	39.44%
Pulmonary, very high	0.816	18	180	1.79%	16	52	1.85%	17	138	1.72%	18	370	1.77%
Pulmonary, high	0.481	40	43	0.43%	41	15	0.53%	44	21	0.26%	43	79	0.38%
Pulmonary, medium	0.472	15	378	3.77%	11	125	4.44%	13	289	3.59%	14	792	3.79%
Pulmonary, low	0.131	13	1,492	14.87%	14	376	13.36%	12	1,131	14.06%	13	2,999	14.36%
Rare Diseases	2.664	37	15	0.15%	43	2	0.07%	34	17	0.21%	37	34	0.16%
Renal, extra high	4.191	6	91	0.91%	6	21	0.75%	8	50	0.62%	6	162	0.78%
Renal, medium	0.362	16	422	4.21%	17	113	4.01%	16	336	4.18%	16	871	4.17%
Renal, low	0.277	20	486	4.84%	25	102	3.62%	24	354	4.40%	22	942	4.51%
Skeletal, medium	0.254	3	2,450	24.42%	3	573	20.36%	3	1,932	24.02%	3	4,955	23.72%
Skeletal, very low to low	0.070	34	865	8.62%	35	206	7.32%	33	669	8.32%	34	1,740	8.33%
Skin, low to high	0.624	27	163	1.62%	21	55	1.95%	23	162	2.01%	24	380	1.82%
Skin, very low	0.169	24	675	6.73%	26	154	5.47%	29	508	6.32%	28	1,337	6.40%
Substance abuse, low	0.324	11	658	6.56%	10	184	6.54%	10	538	6.69%	10	1,380	6.61%
Substance abuse, very low	0.202	38	184	1.83%	37	55	1.95%	38	155	1.93%	38	394	1.89%
Disabled Children Add-On - CNS, high	1.388	35	36	0.36%	40	6	0.21%	37	28	0.35%	36	70	0.34%
Disabled Children Add-On - Gastro, high	1.508	23	82	0.82%	12	37	1.31%	19	72	0.90%	19	191	0.91%
Disabled Children Add-On - Pulmonary, very hig	0.419	42	43	0.43%	39	22	0.78%	42	32	0.40%	42	97	0.46%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,788	17.82%	N/A	592	21.03%	N/A	1,499	18.64%	N/A	3,879	18.57%
Unscored Members													
	Magnolia				Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	10	7.58%	N/A	7	7.45%	N/A	5	4.27%	N/A	22	6.41%
Age 5 to 14 Male	0.701	N/A	6	4.55%	N/A	8	8.51%	N/A	11	9.40%	N/A	25	7.29%
Age 5 to 14 Female	0.872	N/A	2	1.52%	N/A	6	6.38%	N/A	1	0.85%	N/A	9	2.62%
Age 15 to 24 Male	0.522	N/A	9	6.82%	N/A	1	1.06%	N/A	12	10.26%	N/A	22	6.41%
Age 15 to 24 Female	0.831	N/A	2	1.52%	N/A	5	5.32%	N/A	4	3.42%	N/A	11	3.21%
Age 25 to 44 Male	0.797	N/A	9	6.82%	N/A	10	10.64%	N/A	16	13.68%	N/A	35	10.20%
Age 25 to 44 Female	1.120	N/A	15	11.36%	N/A	8	8.51%	N/A	10	8.55%	N/A	33	9.62%
Age 45 and Older Male	1.188	N/A	38	28.79%	N/A	24	25.53%	N/A	30	25.64%	N/A	92	26.82%
Age 45 and Older Female	1.249	N/A	41	31.06%	N/A	25	26.60%	N/A	28	23.93%	N/A	94	27.41%
Risk Adjustment Results													
Scored Members													
Unscored Members													
Total Members													
Member Months			10,033			2,815			8,042			20,890	
Unadjusted Plan Factor			1.022			1.012			1.005			1.014	
Budget Neutral Plan Factor			1.008			0.998			0.991			1.000	
Unscored Members													
Member Months			132			94			117			343	
Unadjusted Plan Factor			1.108			1.082			1.022			1.072	
Budget Neutral Plan Factor			1.034			1.010			0.954			1.000	
Total Members													
Member Months			10,165			2,909			8,159			21,233	
Unadjusted Plan Factor			1.024			1.013			1.005			1.015	
Budget Neutral Plan Factor			1.008			0.998			0.990			1.000	

Exhibit 3C Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.113	N/A	6,944	100.00%	N/A	2,364	100.00%	N/A	7,251	100.00%	N/A	16,559	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	224	3.23%	N/A	190	8.04%	N/A	229	3.16%	N/A	643	3.88%
Age 5 to 14 Male	0.184	N/A	894	12.87%	N/A	267	11.29%	N/A	878	12.11%	N/A	2,039	12.31%
Age 5 to 14 Female	0.265	N/A	421	6.06%	N/A	138	5.84%	N/A	388	5.35%	N/A	947	5.72%
Age 15 to 24 Male	0.000	N/A	644	9.27%	N/A	240	10.15%	N/A	665	9.17%	N/A	1,549	9.35%
Age 15 to 24 Female	0.187	N/A	334	4.81%	N/A	129	5.46%	N/A	349	4.81%	N/A	812	4.90%
Age 25 to 44 Male	0.003	N/A	740	10.66%	N/A	231	9.77%	N/A	824	11.36%	N/A	1,795	10.84%
Age 25 to 44 Female	0.133	N/A	671	9.66%	N/A	187	7.91%	N/A	715	9.86%	N/A	1,573	9.50%
Age 45 and Older Male	0.107	N/A	1,285	18.51%	N/A	482	20.39%	N/A	1,433	19.76%	N/A	3,200	19.32%
Age 45 and Older Female	0.027	N/A	1,731	24.93%	N/A	500	21.15%	N/A	1,770	24.41%	N/A	4,001	24.16%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	35	0.50%	N/A	31	1.31%	N/A	43	0.59%	N/A	109	0.66%
Diagnosis Period Duration, 8 Months	0.320	N/A	30	0.43%	N/A	19	0.80%	N/A	37	0.51%	N/A	86	0.52%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	88	1.27%	N/A	74	3.13%	N/A	100	1.38%	N/A	262	1.58%
Diagnosis Period Duration, 12 Months	0.000	N/A	6,791	97.80%	N/A	2,240	94.75%	N/A	7,071	97.52%	N/A	16,102	97.24%
Homelessness Category													
Homelessness	0.931	N/A	78	1.12%	N/A	49	2.07%	N/A	67	0.92%	N/A	194	1.17%
Disease Categories													
Cancer, very high	3.067	13	46	0.66%	9	19	0.80%	20	33	0.46%	14	98	0.59%
Cancer, high	0.816	21	124	1.79%	18	41	1.73%	27	100	1.38%	23	265	1.60%
Cancer, medium	0.611	32	89	1.28%	29	33	1.40%	26	134	1.85%	30	256	1.55%
Cancer, low	0.318	38	90	1.30%	38	37	1.57%	36	104	1.43%	36	231	1.40%
Cardiovascular, very high	1.460	27	55	0.79%	27	17	0.72%	30	46	0.63%	28	118	0.71%
Cardiovascular, medium	0.584	2	809	11.65%	2	291	12.31%	2	856	11.81%	2	1,966	11.81%
Cardiovascular, extra low to low	0.081	9	2,207	31.78%	11	647	27.37%	9	2,377	32.78%	9	5,231	31.59%
Cerebrovascular, medium	0.115	42	123	1.77%	41	44	1.86%	41	129	1.78%	41	296	1.79%
CNS, high	0.781	30	71	1.02%	34	22	0.93%	32	76	1.05%	32	169	1.02%
CNS, medium	0.479	17	259	3.73%	24	56	2.37%	16	238	3.28%	17	553	3.34%
CNS, low	0.243	5	1,341	19.31%	5	411	17.39%	5	1,398	19.28%	5	3,150	19.02%
DD, low to medium	0.174	29	400	5.76%	30	108	4.57%	29	400	5.52%	29	908	5.48%
Diabetes, type 1	0.862	18	134	1.93%	33	20	0.85%	17	120	1.65%	20	274	1.65%
Diabetes, type 2	0.199	6	1,130	16.27%	6	319	13.49%	6	1,143	15.76%	6	2,592	15.65%
Gastro, high	0.320	35	137	1.97%	32	55	2.33%	35	127	1.75%	35	319	1.93%
Gastro, medium	0.268	25	330	4.75%	26	96	4.06%	25	326	4.50%	26	752	4.54%
Gastro, low	0.135	8	1,421	20.46%	10	422	17.85%	8	1,444	19.91%	7	3,287	19.85%
Hematological, extra high	4.752	40	4	0.06%	42	1	0.04%	44	2	0.03%	42	7	0.04%
Hematological, medium to very high	0.931	15	147	2.12%	15	44	1.86%	14	129	1.78%	15	320	1.93%
Hematological, low	0.370	33	144	2.07%	31	48	2.03%	34	127	1.75%	34	319	1.93%
Infectious, high to very high	0.300	28	243	3.50%	23	95	4.02%	28	244	3.37%	27	582	3.51%
Infectious, low to medium	0.188	31	293	4.22%	28	117	4.95%	31	320	4.41%	31	730	4.41%
Metabolic, high	0.468	24	192	2.76%	25	56	2.37%	23	204	2.81%	24	452	2.73%
Metabolic, medium	0.239	16	520	7.49%	16	170	7.19%	15	498	6.87%	16	1,188	7.17%
Pregnancy, complete	0.173	44	46	0.66%	45	16	0.68%	45	50	0.69%	45	112	0.68%
Pregnancy, incomplete	0.841	41	17	0.24%	39	8	0.34%	40	22	0.30%	40	47	0.28%
Psychiatric, high	0.643	4	569	8.19%	4	185	7.83%	4	606	8.36%	4	1,360	8.21%
Psychiatric, low to medium	0.225	1	2,997	43.16%	1	927	39.21%	1	3,146	43.39%	1	7,070	42.70%
Pulmonary, very high	0.816	12	176	2.53%	14	54	2.28%	13	161	2.22%	13	391	2.36%
Pulmonary, high	0.481	45	16	0.23%	44	9	0.38%	43	23	0.32%	44	48	0.29%
Pulmonary, medium	0.472	14	292	4.21%	12	110	4.65%	12	317	4.37%	12	719	4.34%
Pulmonary, low	0.131	11	1,168	16.82%	13	360	15.23%	11	1,162	16.03%	11	2,690	16.24%
Rare Diseases	2.664	39	10	0.14%	40	2	0.08%	39	8	0.11%	39	20	0.12%
Renal, extra high	4.191	7	46	0.66%	7	15	0.63%	10	38	0.52%	10	99	0.60%
Renal, medium	0.362	19	314	4.52%	17	108	4.57%	19	280	3.86%	18	702	4.24%
Renal, low	0.277	22	364	5.24%	22	104	4.40%	22	348	4.80%	22	816	4.93%
Skeletal, medium	0.254	3	1,594	22.96%	3	506	21.40%	3	1,655	22.82%	3	3,755	22.68%
Skeletal, very low to low	0.070	34	691	9.95%	35	199	8.42%	33	791	10.91%	33	1,681	10.15%
Skin, low to high	0.624	26	139	2.00%	21	48	2.03%	24	150	2.07%	25	337	2.04%
Skin, very low	0.169	23	592	8.53%	19	188	7.95%	18	606	8.36%	21	1,386	8.37%
Substance abuse, low	0.324	10	543	7.82%	8	193	8.16%	7	629	8.67%	8	1,365	8.24%
Substance abuse, very low	0.202	37	151	2.17%	37	59	2.50%	37	154	2.12%	37	364	2.20%
Disabled Children Add-On - CNS, high	1.388	36	25	0.36%	36	9	0.38%	38	18	0.25%	38	52	0.31%
Disabled Children Add-On - Gastro, high	1.508	20	74	1.07%	20	21	0.89%	21	65	0.90%	19	160	0.97%
Disabled Children Add-On - Pulmonary, very hig	0.419	43	23	0.33%	43	11	0.47%	42	31	0.43%	43	65	0.39%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,257	18.10%	N/A	507	21.45%	N/A	1,247	17.20%	N/A	3,011	18.18%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	6	4.20%	N/A	7	6.48%	N/A	11	6.88%	N/A	24	5.84%
Age 5 to 14 Male	0.701	N/A	14	9.79%	N/A	5	4.63%	N/A	8	5.00%	N/A	27	6.57%
Age 5 to 14 Female	0.872	N/A	3	2.10%	N/A	6	5.56%	N/A	7	4.38%	N/A	16	3.89%
Age 15 to 24 Male	0.522	N/A	9	6.29%	N/A	7	6.48%	N/A	7	4.38%	N/A	23	5.60%
Age 15 to 24 Female	0.831	N/A	6	4.20%	N/A	7	6.48%	N/A	7	4.38%	N/A	20	4.87%
Age 25 to 44 Male	0.797	N/A	17	11.89%	N/A	9	8.33%	N/A	14	8.75%	N/A	40	9.73%
Age 25 to 44 Female	1.120	N/A	17	11.89%	N/A	10	9.26%	N/A	27	16.88%	N/A	54	13.14%
Age 45 and Older Male	1.188	N/A	30	20.98%	N/A	31	28.70%	N/A	43	26.88%	N/A	104	25.30%
Age 45 and Older Female	1.249	N/A	41	28.67%	N/A	26	24.07%	N/A	36	22.50%	N/A	103	25.06%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Scored Members				Scored Members				Scored Members					
Member Months				Member Months				Member Months				16,559	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				1.049	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	
Unscored Members				Unscored Members				Unscored Members					
Member Months				Member Months				Member Months				411	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				1.068	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	
Total Members				Total Members				Total Members					
Member Months				Member Months				Member Months				16,970	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				1.050	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				1.000	

Exhibit 3D Mississippi Division of Medicaid Risk Adjustment Results MA Adult - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.126	N/A	5,678	100.00%	N/A	3,710	100.00%	N/A	5,247	100.00%	N/A	14,635	100.00%
Demographic Categories													
Age 19 to 24 Male	0.000	N/A	18	0.32%	N/A	12	0.32%	N/A	20	0.38%	N/A	50	0.34%
Age 19 to 24 Female	0.460	N/A	499	8.79%	N/A	408	11.00%	N/A	523	9.97%	N/A	1,430	9.77%
Age 25 to 44 Male	0.111	N/A	283	4.98%	N/A	175	4.72%	N/A	295	5.62%	N/A	753	5.15%
Age 25 to 44 Female	0.305	N/A	4,263	75.08%	N/A	2,814	75.85%	N/A	3,903	74.39%	N/A	10,980	75.03%
Age 45 and Older Male	0.127	N/A	106	1.87%	N/A	69	1.86%	N/A	89	1.70%	N/A	264	1.80%
Age 45 and Older Female	0.326	N/A	509	8.96%	N/A	232	6.25%	N/A	417	7.95%	N/A	1,158	7.91%
Duration Category													
Diagnosis Period Duration, 6 Months	0.448	N/A	73	1.29%	N/A	58	1.56%	N/A	58	1.11%	N/A	189	1.29%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	5,605	98.71%	N/A	3,652	98.44%	N/A	5,189	98.89%	N/A	14,446	98.71%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.126)	N/A	467	8.22%	N/A	331	8.92%	N/A	451	8.60%	N/A	1,249	8.53%
Homelessness Category													
Homelessness	0.472	N/A	2	0.04%	N/A	5	0.13%	N/A	2	0.04%	N/A	9	0.06%
Disease Categories													
Cancer, high to very high	2.607	11	34	0.60%	17	11	0.30%	17	20	0.38%	15	65	0.44%
Cancer, low to medium	0.394	29	52	0.92%	30	25	0.67%	29	43	0.82%	29	120	0.82%
Cardiovascular, very high	2.004	35	4	0.07%	34	2	0.05%	33	5	0.10%	33	11	0.08%
Cardiovascular, medium	0.547	9	234	4.12%	7	141	3.80%	7	233	4.44%	7	608	4.15%
Cardiovascular, low	0.442	13	176	3.10%	12	105	2.83%	12	151	2.88%	12	432	2.95%
Cardiovascular, extra low	0.118	5	1,567	27.60%	6	890	23.99%	6	1,253	23.88%	6	3,710	25.35%
Cerebrovascular, medium	0.456	37	10	0.18%	36	4	0.11%	37	14	0.27%	38	28	0.19%
CNS, high	0.552	34	16	0.28%	35	5	0.13%	36	12	0.23%	35	33	0.23%
CNS, medium	0.544	30	34	0.60%	32	14	0.38%	31	30	0.57%	31	78	0.53%
CNS, low	0.425	8	302	5.32%	10	155	4.18%	8	269	5.13%	9	726	4.96%
Diabetes, type 1	1.366	17	41	0.72%	16	23	0.62%	13	48	0.91%	17	112	0.77%
Diabetes, type 2	0.241	10	9	0.35%	9	631	17.47%	10	442	8.42%	10	1,250	8.61%
Eye, very low to extra low	0.271	24	112	1.97%	28	53	1.43%	26	93	1.77%	25	258	1.76%
Gastro, high	0.864	33	12	0.21%	37	0	0.00%	38	6	0.11%	37	18	0.12%
Gastro, medium	0.585	18	84	1.48%	18	49	1.32%	18	81	1.54%	18	214	1.46%
Gastro, low	0.278	4	811	14.28%	5	407	10.97%	5	625	11.91%	4	1,843	12.59%
Genital, extra low	0.232	12	351	6.18%	11	214	5.77%	11	332	6.33%	11	897	6.13%
Infectious, very high	1.355	38	2	0.04%	37	0	0.00%	39	1	0.02%	39	3	0.02%
Infectious, high	0.426	20	79	1.39%	22	45	1.21%	23	75	1.43%	22	199	1.36%
Infectious, low to medium	0.196	28	111	1.95%	25	78	2.10%	28	122	2.33%	28	311	2.13%
Metabolic, high	0.528	27	42	0.74%	24	32	0.86%	22	62	1.18%	24	136	0.93%
Metabolic, medium	0.296	14	251	4.42%	14	150	4.04%	16	211	4.02%	14	612	4.18%
Pregnancy, complete	0.295	6	615	10.83%	4	448	12.08%	4	654	12.46%	5	1,717	11.73%
Pregnancy, incomplete	1.430	2	185	3.26%	2	148	3.99%	2	183	3.49%	2	516	3.53%
Psychiatric, high	0.665	22	48	0.85%	23	28	0.75%	27	37	0.71%	23	113	0.77%
Psychiatric, medium	0.490	25	54	0.95%	26	31	0.84%	24	53	1.01%	26	138	0.94%
Psychiatric, low	0.200	3	1,227	21.61%	3	897	24.18%	3	1,306	24.89%	3	3,430	23.44%
Pulmonary, medium to very high	0.499	21	65	1.14%	19	55	1.48%	19	79	1.51%	20	199	1.36%
Pulmonary, low	0.271	7	488	8.59%	8	270	7.28%	9	394	7.51%	8	1,152	7.87%
Rare Diseases	6.883	36	1	0.02%	37	0	0.00%	32	2	0.04%	34	3	0.02%
Renal, extra high	2.600	39	1	0.02%	37	0	0.00%	40	0	0.00%	40	1	0.01%
Renal, medium	0.539	26	46	0.81%	27	27	0.73%	25	47	0.90%	27	120	0.82%
Renal, low	0.472	19	91	1.60%	21	44	1.19%	20	76	1.45%	19	211	1.44%
Skeletal, medium	0.270	1	1,917	33.76%	1	1,132	30.51%	1	1,727	32.91%	1	4,776	32.63%
Skeletal, low	0.251	23	124	2.18%	20	86	2.32%	21	139	2.65%	21	349	2.38%
Skeletal, very low	0.189	31	96	1.69%	29	56	1.51%	30	87	1.66%	30	239	1.63%
Skin, high	1.732	40	1	0.02%	33	3	0.08%	35	5	0.10%	36	9	0.06%
Skin, low	0.891	32	18	0.32%	31	10	0.27%	34	11	0.21%	32	39	0.27%
Skin, very low	0.178	16	352	6.20%	15	228	6.15%	15	352	6.71%	16	932	6.37%
Substance abuse, very low to low	0.299	15	247	4.35%	13	154	4.15%	14	212	4.04%	13	613	4.19%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,071	18.86%	N/A	742	20.00%	N/A	1,029	19.61%	N/A	2,842	19.42%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 19 to 24 Male	0.331	N/A	10	2.84%	N/A	5	1.74%	N/A	6	1.83%	N/A	21	2.17%
Age 19 to 24 Female	1.115	N/A	20	5.68%	N/A	22	7.64%	N/A	15	4.57%	N/A	57	5.89%
Age 25 to 44 Male	0.639	N/A	65	18.47%	N/A	63	21.88%	N/A	50	15.24%	N/A	178	18.39%
Age 25 to 44 Female	0.993	N/A	212	60.23%	N/A	164	56.94%	N/A	215	65.55%	N/A	591	61.05%
Age 45 and Older Male	0.943	N/A	10	2.84%	N/A	12	4.17%	N/A	11	3.35%	N/A	33	3.41%
Age 45 and Older Female	1.245	N/A	35	9.94%	N/A	22	7.64%	N/A	31	9.45%	N/A	88	9.09%
Risk Adjustment Results													
		Magnolia			Molina			United			Total		
Scored Members													
Member Months		5,678			3,710			5,247			14,635		
Unadjusted Plan Factor		0.976			0.939			0.973			0.966		
Budget Neutral Plan Factor		1.011			0.972			1.008			1.000		
Unscored Members													
Member Months		352			288			328			968		
Unadjusted Plan Factor		0.939			0.930			0.954			0.942		
Budget Neutral Plan Factor		0.997			0.988			1.013			1.000		
Total Members													
Member Months		6,030			3,998			5,575			15,603		
Unadjusted Plan Factor		0.974			0.938			0.972			0.964		
Budget Neutral Plan Factor		1.010			0.973			1.008			1.000		

Exhibit 3E Mississippi Division of Medicaid Risk Adjustment Results MA Adult - Central Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Magnolia			Molina			United			Total			
Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.126	N/A	6,354	100.00%	N/A	4,607	100.00%	N/A	5,985	100.00%	N/A	16,946	100.00%
Demographic Categories													
Age 19 to 24 Male	0.000	N/A	8	0.13%	N/A	8	0.17%	N/A	10	0.17%	N/A	26	0.15%
Age 19 to 24 Female	0.460	N/A	561	8.83%	N/A	496	10.77%	N/A	564	9.42%	N/A	1,621	9.57%
Age 25 to 44 Male	0.111	N/A	299	4.71%	N/A	219	4.75%	N/A	269	4.49%	N/A	787	4.64%
Age 25 to 44 Female	0.305	N/A	4,775	75.15%	N/A	3,513	76.25%	N/A	4,443	74.24%	N/A	12,731	75.13%
Age 45 and Older Male	0.127	N/A	133	2.09%	N/A	71	1.54%	N/A	123	2.06%	N/A	327	1.93%
Age 45 and Older Female	0.326	N/A	578	9.10%	N/A	300	6.51%	N/A	576	9.62%	N/A	1,454	8.58%
Duration Category													
Diagnosis Period Duration, 6 Months	0.448	N/A	58	0.91%	N/A	70	1.52%	N/A	75	1.25%	N/A	203	1.20%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	6,296	99.09%	N/A	4,537	98.48%	N/A	5,910	98.75%	N/A	16,743	98.80%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.126)	N/A	521	8.20%	N/A	398	8.64%	N/A	488	8.15%	N/A	1,407	8.30%
Duration Categories													
Homelessness	0.472	N/A	15	0.24%	N/A	4	0.09%	N/A	7	0.12%	N/A	26	0.15%
Disease Categories													
Cancer, high to very high	2.607	23	17	0.27%	23	10	0.22%	18	22	0.37%	18	49	0.29%
Cancer, low to medium	0.394	31	57	0.90%	31	37	0.80%	31	55	0.92%	31	149	0.88%
Cardiovascular, very high	2.004	36	4	0.06%	38	0	0.00%	35	6	0.10%	36	10	0.06%
Cardiovascular, medium	0.547	7	274	4.31%	7	173	3.76%	7	247	4.13%	7	694	4.10%
Cardiovascular, low	0.442	13	188	2.96%	16	96	2.08%	15	150	2.51%	13	434	2.56%
Cardiovascular, extra low	0.118	6	1,688	26.57%	6	1,110	24.09%	6	1,560	26.07%	6	4,358	25.72%
Cerebrovascular, medium	0.456	38	10	0.16%	36	5	0.11%	39	7	0.12%	39	22	0.13%
CNS, high	0.552	28	52	0.82%	25	39	0.85%	26	58	0.97%	27	149	0.88%
CNS, medium	0.544	32	39	0.61%	32	24	0.52%	32	29	0.48%	32	92	0.54%
CNS, low	0.425	9	332	5.23%	8	201	4.36%	8	312	5.21%	8	845	4.99%
Diabetes, type 1	1.366	14	55	0.87%	17	27	0.59%	13	50	0.84%	17	132	0.78%
Diabetes, type 2	0.241	8	617	9.71%	9	10	0.22%	9	500	8.35%	9	1,452	8.57%
Eye, very low to extra low	0.271	21	168	2.64%	27	73	1.58%	25	121	2.02%	25	362	2.14%
Gastro, high	0.864	39	4	0.06%	34	11	0.24%	36	12	0.20%	35	27	0.16%
Gastro, medium	0.585	16	122	1.92%	13	83	1.80%	17	107	1.79%	15	312	1.84%
Gastro, low	0.278	5	802	12.62%	5	524	11.37%	4	772	12.90%	5	2,098	12.38%
Genital, extra low	0.232	12	433	6.81%	11	306	6.64%	12	372	6.22%	12	1,111	6.56%
Infectious, very high	1.355	40	0	0.00%	38	0	0.00%	38	5	0.08%	40	5	0.03%
Infectious, high	0.426	24	98	1.54%	19	75	1.63%	19	97	1.62%	21	270	1.59%
Infectious, low to medium	0.196	30	122	1.92%	30	75	1.63%	29	130	2.17%	29	327	1.93%
Metabolic, high	0.528	26	74	1.16%	26	39	0.85%	27	58	0.97%	26	171	1.01%
Metabolic, medium	0.296	15	252	3.97%	15	155	3.36%	14	226	3.78%	14	633	3.74%
Pregnancy, complete	0.295	4	776	12.21%	4	598	12.98%	5	721	12.05%	4	2,095	12.36%
Pregnancy, incomplete	1.430	2	259	4.08%	2	205	4.45%	2	231	3.86%	2	695	4.10%
Psychiatric, high	0.665	20	74	1.16%	22	42	0.91%	23	51	0.85%	22	167	0.99%
Psychiatric, medium	0.490	22	91	1.43%	24	48	1.04%	22	73	1.22%	24	212	1.25%
Psychiatric, low	0.200	3	1,512	23.80%	3	1,037	22.51%	3	1,475	24.64%	3	4,024	23.75%
Pulmonary, medium to very high	0.499	19	102	1.61%	18	72	1.56%	20	79	1.32%	19	253	1.49%
Pulmonary, low	0.271	10	504	7.93%	9	302	6.56%	10	442	7.39%	10	1,248	7.36%
Rare Diseases	6.883	34	2	0.03%	38	0	0.00%	34	2	0.03%	34	4	0.02%
Renal, extra high	2.600	37	3	0.05%	35	2	0.04%	40	1	0.02%	38	6	0.04%
Renal, medium	0.539	27	64	1.01%	28	30	0.65%	28	51	0.85%	28	145	0.86%
Renal, low	0.472	18	118	1.86%	21	61	1.32%	24	71	1.19%	20	250	1.48%
Skeletal, medium	0.270	1	1,792	28.20%	1	1,198	26.00%	1	1,704	28.47%	1	4,694	27.70%
Skeletal, low	0.251	25	165	2.60%	20	127	2.76%	21	146	2.44%	23	438	2.58%
Skeletal, very low	0.189	29	127	2.00%	29	79	1.71%	30	125	2.09%	30	331	1.95%
Skin, high	1.732	35	5	0.08%	37	1	0.02%	37	4	0.07%	37	10	0.06%
Skin, low	0.891	33	23	0.36%	33	12	0.26%	33	17	0.28%	33	52	0.31%
Skin, very low	0.178	17	392	6.17%	14	266	5.77%	16	362	6.05%	16	1,020	6.02%
Substance abuse, very low to low	0.299	11	352	5.54%	12	236	5.12%	11	321	5.36%	11	909	5.36%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,236	19.45%	N/A	1,026	22.27%	N/A	1,243	20.77%	N/A	3,505	20.68%
Unscored Members													
	Magnolia			Molina			United			Total			
Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 19 to 24 Male	0.331	N/A	7	1.93%	N/A	6	2.11%	N/A	8	2.25%	N/A	21	2.10%
Age 19 to 24 Female	1.115	N/A	19	5.25%	N/A	22	7.75%	N/A	16	4.49%	N/A	57	5.69%
Age 25 to 44 Male	0.639	N/A	55	15.19%	N/A	39	13.73%	N/A	42	11.80%	N/A	136	13.57%
Age 25 to 44 Female	0.993	N/A	234	64.64%	N/A	189	66.55%	N/A	231	64.89%	N/A	654	65.27%
Age 45 and Older Male	0.943	N/A	11	3.04%	N/A	12	4.23%	N/A	28	7.87%	N/A	51	5.09%
Age 45 and Older Female	1.245	N/A	36	9.94%	N/A	16	5.63%	N/A	31	8.71%	N/A	83	8.28%
Risk Adjustment Results													
	Magnolia			Molina			United			Total			
Scored Members													
Member Months	6,354			4,607			5,985			16,946			
Unadjusted Plan Factor	0.994			0.943			0.977			0.974			
Budget Neutral Plan Factor	1.020			0.968			1.003			1.000			
Unscored Members													
Member Months	362			284			356			1,002			
Unadjusted Plan Factor	0.956			0.952			0.960			0.956			
Budget Neutral Plan Factor	1.000			0.995			1.004			1.000			
Total Members													
Member Months	0.000			0.000			0.000			0.000			
Unadjusted Plan Factor	6.716			4.891			6.341			17,948			
Budget Neutral Plan Factor	0.992			0.944			0.976			0.973			
	1.019			0.970			1.003			1.000			

Exhibit 3F Mississippi Division of Medicaid Risk Adjustment Results MA Adult - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period																	
Scored Members																	
Regression Intercept	Risk Weight	Magnolia			Molina			United			Total						
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months				
0.126	N/A	N/A	6,018	100.00%	N/A	N/A	4,846	100.00%	N/A	N/A	6,989	100.00%	N/A	N/A	17,853	100.00%	
Demographic Categories																	
Age 19 to 24 Male	0.000	N/A	N/A	13	0.22%	N/A	N/A	22	0.45%	N/A	N/A	14	0.20%	N/A	N/A	49	0.27%
Age 19 to 24 Female	0.460	N/A	N/A	526	8.74%	N/A	N/A	443	9.14%	N/A	N/A	584	8.36%	N/A	N/A	1,553	8.70%
Age 25 to 44 Male	0.111	N/A	N/A	384	6.38%	N/A	N/A	314	6.48%	N/A	N/A	471	6.74%	N/A	N/A	1,169	6.55%
Age 25 to 44 Female	0.305	N/A	N/A	4,368	72.58%	N/A	N/A	3,556	73.38%	N/A	N/A	5,020	71.83%	N/A	N/A	12,944	72.50%
Age 45 and Older Male	0.127	N/A	N/A	155	2.58%	N/A	N/A	129	2.66%	N/A	N/A	211	3.02%	N/A	N/A	495	2.77%
Age 45 and Older Female	0.326	N/A	N/A	572	9.50%	N/A	N/A	382	7.88%	N/A	N/A	689	9.86%	N/A	N/A	1,643	9.20%
Duration Category																	
Diagnosis Period Duration, 6 Months	0.448	N/A	N/A	76	1.26%	N/A	N/A	69	1.42%	N/A	N/A	82	1.17%	N/A	N/A	227	1.27%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	N/A	5,942	98.74%	N/A	N/A	4,777	98.58%	N/A	N/A	6,907	98.83%	N/A	N/A	17,626	98.73%
Non-Utilizer Category																	
No Base Period Medical Utilization	(0.126)	N/A	N/A	506	8.41%	N/A	N/A	495	10.21%	N/A	N/A	581	8.31%	N/A	N/A	1,582	8.86%
Duration Categories																	
Homelessness	0.472	N/A	N/A	11	0.18%	N/A	N/A	6	0.12%	N/A	N/A	13	0.19%	N/A	N/A	30	0.17%
Disease Categories																	
Cancer, high to very high	2.607	19	22	0.37%	19	16	0.33%	18	28	0.40%	19	66	0.37%				
Cancer, low to medium	0.394	30	62	1.03%	29	80	1.01%	30	80	1.14%	30	191	1.07%				
Cardiovascular, very high	2.004	37	6	0.10%	34	5	0.10%	38	2	0.03%	36	13	0.07%				
Cardiovascular, medium	0.547	9	268	4.45%	9	185	3.82%	8	325	4.65%	8	778	4.36%				
Cardiovascular, low	0.442	13	227	3.77%	12	175	3.61%	12	288	4.12%	12	690	3.86%				
Cardiovascular, extra low	0.118	7	1,473	24.48%	6	1,032	21.30%	7	1,736	24.84%	7	4,241	23.76%				
Cerebrovascular, medium	0.456	40	5	0.08%	38	7	0.14%	39	8	0.11%	40	20	0.11%				
CNS, high	0.552	35	22	0.37%	33	22	0.45%	35	26	0.37%	35	70	0.39%				
CNS, medium	0.544	31	42	0.70%	28	38	0.78%	31	54	0.77%	31	134	0.75%				
CNS, low	0.425	6	432	7.18%	7	277	5.72%	5	527	7.54%	6	1,236	6.92%				
Diabetes, type 1	1.366	12	80	1.33%	17	34	0.70%	16	60	0.86%	16	174	0.97%				
Diabetes, type 2	0.241	10	536	8.91%	10	363	7.49%	10	638	9.13%	11	1,537	8.51%				
Eye, very low to extra low	0.271	23	168	2.79%	25	102	2.10%	27	153	2.19%	25	423	2.37%				
Gastro, high	0.864	32	20	0.33%	36	9	0.19%	33	24	0.34%	33	53	0.30%				
Gastro, medium	0.585	15	167	2.78%	14	122	2.52%	13	209	2.99%	13	498	2.79%				
Gastro, low	0.278	4	882	14.66%	5	608	12.55%	4	957	13.69%	4	2,447	13.71%				
Genital, extra low	0.232	14	427	7.10%	13	313	6.46%	14	431	6.17%	14	1,171	6.58%				
Infectious, very high	1.355	38	4	0.07%	39	2	0.04%	40	2	0.03%	39	8	0.04%				
Infectious, high	0.426	26	89	1.48%	26	60	1.24%	26	108	1.55%	26	257	1.44%				
Infectious, low to medium	0.196	28	154	2.56%	27	110	2.27%	28	186	2.66%	28	450	2.52%				
Metabolic, high	0.528	22	90	1.50%	22	61	1.26%	22	96	1.37%	22	247	1.38%				
Metabolic, medium	0.296	18	221	3.67%	16	161	3.32%	17	274	3.92%	17	656	3.67%				
Pregnancy, complete	0.295	5	691	11.48%	4	604	12.46%	6	722	10.33%	5	2,017	11.30%				
Pregnancy, incomplete	1.430	3	192	3.19%	3	178	3.67%	3	189	2.70%	3	559	3.13%				
Psychiatric, high	0.665	25	62	1.03%	24	44	0.91%	23	75	1.07%	24	181	1.01%				
Psychiatric, medium	0.490	24	92	1.53%	23	61	1.26%	24	97	1.39%	23	250	1.40%				
Psychiatric, low	0.200	2	1,775	29.49%	2	1,423	29.36%	2	2,318	33.17%	2	5,516	30.90%				
Pulmonary, medium to very high	0.499	21	99	1.65%	20	78	1.61%	19	140	2.00%	20	317	1.78%				
Pulmonary, low	0.271	8	549	9.12%	8	375	7.74%	11	549	7.86%	9	1,473	8.25%				
Rare Diseases	6.883	33	2	0.03%	32	2	0.04%	32	4	0.06%	32	8	0.04%				
Renal, extra high	2.600	39	2	0.03%	40	1	0.02%	37	2	0.03%	38	5	0.03%				
Renal, medium	0.539	29	47	0.78%	29	63	0.68%	29	63	0.90%	29	143	0.80%				
Renal, low	0.472	17	141	2.34%	21	78	1.61%	20	146	2.09%	18	365	2.04%				
Skeletal, medium	0.270	1	1,583	26.30%	1	1,122	23.15%	1	1,845	26.40%	1	4,550	25.49%				
Skeletal, low	0.251	20	215	3.57%	18	169	3.49%	21	236	3.38%	21	620	3.47%				
Skeletal, very low	0.189	27	189	3.14%	30	102	2.10%	25	247	3.53%	27	538	3.01%				
Skin, high	1.732	36	7	0.12%	37	2	0.04%	36	5	0.07%	37	14	0.08%				
Skin, low	0.891	34	15	0.25%	35	10	0.21%	34	21	0.30%	34	46	0.26%				
Skin, very low	0.178	16	456	7.58%	15	342	7.06%	15	539	7.71%	15	1,337	7.49%				
Substance abuse, very low to low	0.299	11	432	7.18%	11	287	5.92%	9	522	7.47%	10	1,241	6.95%				
Population Statistics																	
No Classified Disease Categories	N/A	N/A	N/A	1,082	17.98%	N/A	N/A	992	20.47%	N/A	N/A	1,271	18.19%	N/A	N/A	3,345	18.74%
Unscored Members																	
Regression Intercept	Risk Weight	Magnolia			Molina			United			Total						
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months				
Demographic Categories																	
Age 19 to 24 Male	0.331	N/A	N/A	3	0.79%	N/A	N/A	7	2.13%	N/A	N/A	6	1.53%	N/A	N/A	16	1.46%
Age 19 to 24 Female	1.115	N/A	N/A	26	6.86%	N/A	N/A	34	10.33%	N/A	N/A	38	9.72%	N/A	N/A	98	8.92%
Age 25 to 44 Male	0.639	N/A	N/A	72	19.00%	N/A	N/A	55	16.72%	N/A	N/A	68	17.39%	N/A	N/A	195	17.74%
Age 25 to 44 Female	0.993	N/A	N/A	229	60.42%	N/A	N/A	191	58.05%	N/A	N/A	228	58.31%	N/A	N/A	648	58.96%
Age 45 and Older Male	0.943	N/A	N/A	18	4.75%	N/A	N/A	18	5.47%	N/A	N/A	17	4.35%	N/A	N/A	53	4.82%
Age 45 and Older Female	1.245	N/A	N/A	31	8.18%	N/A	N/A	24	7.29%	N/A	N/A	34	8.70%	N/A	N/A	89	8.10%
Risk Adjustment Results																	
Magnolia			Molina			United			Total								
Scored Members			Scored Members			Scored Members			Scored Members								
Member Months			Member Months			Member Months			Member Months								
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor								
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor								
Unscored Members			Unscored Members			Unscored Members			Unscored Members								
Member Months			Member Months			Member Months			Member Months								
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor								
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor								
Total Members			Total Members			Total Members			Total Members								
Member Months			Member Months			Member Months			Member Months								
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor								
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor								

Exhibit 3G

Mississippi Division of Medicaid

Risk Adjustment Results

MA Children - North Region - Q3 to Q4 2024 Prospective Risk Scores

CY 2023 Diagnosis Period - June 2024 Enrollment Period

	Risk Weight	Scored Members						Scored Members					
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	29,017	100.00%	N/A	16,168	100.00%	N/A	27,064	100.00%	N/A	72,249	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	6,696	23.08%	N/A	5,302	32.79%	N/A	6,619	24.46%	N/A	18,617	25.77%
Age 5 to 14 Male	0.038	N/A	7,852	27.06%	N/A	4,065	25.14%	N/A	7,140	26.38%	N/A	19,057	26.38%
Age 5 to 14 Female	0.112	N/A	8,132	28.02%	N/A	4,180	25.85%	N/A	7,408	27.37%	N/A	19,720	27.29%
Age 15 to 18 Male	0.000	N/A	3,100	10.68%	N/A	1,276	7.89%	N/A	2,584	10.66%	N/A	7,260	10.05%
Age 15 to 18 Female	0.257	N/A	3,237	11.16%	N/A	1,345	8.32%	N/A	3,013	11.13%	N/A	7,595	10.51%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	188	0.65%	N/A	132	0.82%	N/A	191	0.71%	N/A	511	0.71%
Diagnosis Period Duration, 7 Months	0.098	N/A	194	0.67%	N/A	154	0.95%	N/A	175	0.65%	N/A	523	0.72%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	28,635	98.68%	N/A	15,882	98.23%	N/A	26,698	98.65%	N/A	71,215	98.57%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	1,633	5.63%	N/A	1,121	6.93%	N/A	1,465	5.41%	N/A	4,219	5.84%
Homelessness Category													
Homelessness Category	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	13	32	0.11%	14	16	0.10%	11	43	0.16%	12	91	0.13%
Cardiovascular, very high	1.724	39	3	0.01%	39	2	0.01%	37	4	0.01%	37	9	0.01%
Cardiovascular, medium	0.733	11	159	0.55%	10	80	0.49%	12	137	0.51%	11	376	0.52%
Cardiovascular, low	0.450	9	297	1.02%	8	191	1.18%	9	306	1.13%	9	794	1.10%
Cardiovascular, extra low	0.412	12	254	0.88%	17	104	0.64%	13	229	0.85%	13	587	0.81%
Cerebrovascular, medium	2.021	36	5	0.02%	41	1	0.01%	39	1	0.00%	39	7	0.01%
CNS, high	2.129	37	3	0.01%	34	4	0.02%	36	6	0.02%	36	13	0.02%
CNS, medium	1.173	27	29	0.10%	28	16	0.10%	27	36	0.13%	26	81	0.11%
CNS, low	0.751	5	478	1.65%	5	226	1.40%	5	447	1.65%	5	1,151	1.59%
DD, low	1.630	14	53	0.18%	12	32	0.20%	17	45	0.17%	14	130	0.18%
DD, medium	6.081	41	0	0.00%	31	2	0.01%	41	0	0.00%	41	2	0.00%
Diabetes, type 1	3.867	6	60	0.21%	9	19	0.12%	6	70	0.26%	6	149	0.21%
Diabetes, type 2	0.479	30	60	0.21%	32	24	0.15%	33	49	0.18%	31	133	0.18%
Eye, very low to extra low	0.256	25	153	0.53%	25	88	0.54%	26	166	0.61%	25	407	0.56%
Gastro, high	3.331	24	14	0.05%	22	9	0.06%	22	17	0.06%	24	40	0.06%
Gastro, medium	1.271	20	48	0.17%	21	26	0.16%	23	42	0.16%	21	116	0.16%
Gastro, low	0.340	4	1,265	4.36%	4	719	4.45%	4	1,259	4.65%	4	3,243	4.49%
Genital, extra low	0.472	18	153	0.53%	11	118	0.73%	16	170	0.63%	15	441	0.61%
Hematological, extra high	3.863	35	3	0.01%	38	1	0.01%	30	7	0.03%	34	11	0.02%
Hematological, very high	3.011	34	5	0.02%	37	2	0.01%	35	5	0.02%	35	12	0.02%
Hematological, low to medium	0.381	16	199	0.69%	15	115	0.71%	18	190	0.70%	18	504	0.70%
Infectious, high to very high	0.682	26	57	0.20%	27	31	0.19%	31	39	0.14%	28	127	0.18%
Infectious, medium	0.176	21	345	1.19%	18	233	1.44%	21	324	1.20%	19	902	1.25%
Metabolic, high	0.754	15	103	0.35%	20	44	0.27%	15	110	0.41%	17	257	0.36%
Metabolic, medium	0.391	29	76	0.26%	26	56	0.35%	28	74	0.27%	29	206	0.29%
Pregnancy, complete	0.277	31	86	0.30%	33	41	0.25%	32	85	0.31%	32	212	0.29%
Pregnancy, incomplete	3.124	10	41	0.14%	16	14	0.09%	10	43	0.16%	10	98	0.14%
Psychiatric, high	3.507	28	9	0.03%	36	2	0.01%	24	14	0.05%	27	25	0.03%
Psychiatric, medium	1.859	7	124	0.43%	6	67	0.41%	8	103	0.38%	7	294	0.41%
Psychiatric, low	0.930	1	4,356	15.01%	1	1,980	12.25%	1	4,058	14.99%	1	10,394	14.39%
Pulmonary, very high	1.975	23	24	0.08%	19	19	0.12%	19	34	0.13%	20	77	0.11%
Pulmonary, medium to high	0.457	17	159	0.55%	13	110	0.68%	14	183	0.68%	16	452	0.63%
Pulmonary, low	0.321	3	2,554	8.80%	3	1,224	7.57%	3	2,272	8.39%	3	6,050	8.37%
Rare Diseases	7.505	32	3	0.01%	35	1	0.01%	34	3	0.01%	33	7	0.01%
Renal, extra high	15.124	41	0	0.00%	30	1	0.01%	41	0	0.00%	38	1	0.00%
Renal, medium	1.178	33	19	0.07%	29	13	0.08%	29	24	0.09%	30	56	0.08%
Renal, low	0.277	19	238	0.82%	23	107	0.66%	25	164	0.61%	22	509	0.70%
Skeletal, very low to medium	0.319	2	4,684	16.14%	2	2,433	15.05%	2	4,613	17.04%	2	11,730	16.24%
Skin, high	0.773	38	7	0.02%	40	3	0.02%	38	7	0.03%	40	17	0.02%
Skin, low	0.487	40	8	0.03%	42	2	0.01%	40	2	0.01%	42	12	0.02%
Skin, very low	0.190	8	1,081	3.73%	7	612	3.79%	7	1,057	3.91%	8	2,750	3.81%
Substance abuse, very low to low	1.082	22	45	0.16%	24	21	0.13%	20	61	0.23%	23	127	0.18%
Population Statistics													
No Classified Disease Categories	N/A	N/A	15,348	52.89%	N/A	8,836	54.65%	N/A	14,189	52.43%	N/A	38,373	53.11%

	Risk Weight	Unscored Members						Unscored Members					
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	244	26.87%	N/A	189	27.39%	N/A	224	25.84%	N/A	657	26.65%
Age 5 to 14 Male	0.957	N/A	233	25.66%	N/A	188	27.25%	N/A	239	27.57%	N/A	660	26.77%
Age 5 to 14 Female	0.953	N/A	265	29.19%	N/A	183	26.52%	N/A	218	25.14%	N/A	666	27.02%
Age 15 to 18 Male	0.944	N/A	72	7.93%	N/A	67	9.71%	N/A	63	7.27%	N/A	202	8.19%
Age 15 to 18 Female	1.321	N/A	94	10.35%	N/A	63	9.13%	N/A	123	14.19%	N/A	280	11.36%

Risk Adjustment Results				
Scored Members		Magnolia	Molina	United
Member Months		29,017	16,168	27,064
Unadjusted Plan Factor		1.007	0.970	1.020
Budget Neutral Plan Factor		1.004	0.966	1.016
Unscored Members				
Member Months		908	690	867
Unadjusted Plan Factor		0.997	0.993	1.011
Budget Neutral Plan Factor		0.996	0.992	1.010
Total Members				
Member Months		29,925	16,858	27,931
Unadjusted Plan Factor		1.007	0.971	1.020
Budget Neutral Plan Factor		1.003	0.967	1.016

Exhibit 3H Mississippi Division of Medicaid Risk Adjustment Results MA Children - Central Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	34,402	100.00%	N/A	19,834	100.00%	N/A	31,627	100.00%	N/A	85,863	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	7,760	22.56%	N/A	6,491	32.73%	N/A	8,046	25.44%	N/A	22,297	25.97%
Age 5 to 14 Male	0.038	N/A	9,226	26.82%	N/A	4,902	24.72%	N/A	8,271	26.15%	N/A	22,399	26.09%
Age 5 to 14 Female	0.112	N/A	9,565	27.80%	N/A	5,107	25.75%	N/A	8,479	26.81%	N/A	23,151	26.96%
Age 15 to 18 Male	0.000	N/A	3,805	11.06%	N/A	1,674	8.44%	N/A	3,300	10.43%	N/A	8,779	10.22%
Age 15 to 18 Female	0.257	N/A	4,046	11.76%	N/A	1,660	8.37%	N/A	3,531	11.16%	N/A	9,237	10.76%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	180	0.52%	N/A	165	0.83%	N/A	203	0.64%	N/A	548	0.64%
Diagnosis Period Duration, 7 Months	0.098	N/A	195	0.57%	N/A	156	0.79%	N/A	172	0.54%	N/A	523	0.61%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	34,027	98.91%	N/A	19,513	98.38%	N/A	31,252	98.81%	N/A	84,792	98.75%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	2,047	5.95%	N/A	1,467	7.40%	N/A	1,866	5.90%	N/A	5,380	6.27%
Homelessness Category													
Homelessness	1.243	N/A	3	0.01%	N/A	2	0.01%	N/A	5	0.02%	N/A	10	0.01%
Disease Categories													
Cancer, medium to very high	2.895	12	43	0.12%	11	23	0.12%	12	40	0.13%	12	106	0.12%
Cardiovascular, very high	1.724	37	5	0.01%	38	1	0.01%	39	5	0.02%	38	11	0.01%
Cardiovascular, medium	0.733	16	133	0.39%	12	90	0.45%	14	143	0.45%	15	366	0.43%
Cardiovascular, low	0.450	9	404	1.17%	9	202	1.02%	9	372	1.18%	9	978	1.14%
Cardiovascular, extra low	0.412	10	328	0.95%	14	147	0.74%	11	301	0.95%	11	776	0.90%
Cerebrovascular, medium	2.021	40	3	0.01%	37	1	0.01%	41	3	0.01%	40	7	0.01%
CNS, high	2.129	28	20	0.06%	32	6	0.03%	26	20	0.06%	28	46	0.05%
CNS, medium	1.173	25	53	0.15%	25	19	0.10%	27	35	0.11%	26	107	0.12%
CNS, low	0.751	5	578	1.68%	5	318	1.60%	5	549	1.74%	5	1,445	1.68%
DD, low	1.630	14	67	0.19%	18	32	0.16%	13	69	0.22%	14	168	0.20%
DD, medium	6.081	39	1	0.00%	40	0	0.00%	40	1	0.00%	41	2	0.00%
Diabetes, type 1	3.867	7	75	0.22%	8	31	0.16%	6	79	0.25%	7	185	0.22%
Diabetes, type 2	0.479	30	72	0.21%	31	31	0.16%	29	67	0.21%	30	170	0.20%
Eye, very low to extra low	0.256	24	280	0.81%	23	111	0.56%	23	224	0.71%	23	615	0.72%
Gastro, high	3.331	23	22	0.06%	27	6	0.03%	24	17	0.05%	24	45	0.05%
Gastro, medium	1.271	18	68	0.20%	22	27	0.14%	22	47	0.15%	22	142	0.17%
Gastro, low	0.340	4	1,499	4.36%	4	952	4.80%	4	1,487	4.70%	4	3,938	4.59%
Genital, extra low	0.472	17	202	0.59%	13	134	0.68%	16	179	0.57%	17	515	0.60%
Hematological, extra high	3.863	38	2	0.01%	33	3	0.02%	36	3	0.01%	35	8	0.01%
Hematological, very high	3.011	41	2	0.01%	36	1	0.01%	38	3	0.01%	39	6	0.01%
Hematological, low to medium	0.381	15	263	0.76%	15	156	0.79%	18	221	0.70%	16	640	0.75%
Infectious, high to very high	0.682	33	43	0.12%	29	25	0.13%	31	36	0.11%	31	104	0.12%
Infectious, medium	0.176	21	448	1.30%	17	310	1.56%	20	412	1.30%	19	1,170	1.36%
Metabolic, high	0.754	20	110	0.32%	20	55	0.28%	19	103	0.33%	20	268	0.31%
Metabolic, medium	0.391	27	116	0.34%	28	51	0.26%	28	91	0.29%	27	258	0.30%
Pregnancy, complete	0.277	32	107	0.31%	30	54	0.27%	32	83	0.26%	32	244	0.29%
Pregnancy, incomplete	3.124	11	43	0.12%	16	19	0.10%	10	42	0.13%	10	104	0.12%
Psychiatric, high	3.507	26	16	0.05%	26	6	0.03%	25	14	0.04%	25	36	0.04%
Psychiatric, medium	1.859	6	162	0.47%	6	86	0.43%	7	143	0.45%	6	391	0.46%
Psychiatric, low	0.930	1	5,184	15.07%	1	2,190	11.04%	1	4,552	14.39%	1	11,926	13.89%
Pulmonary, very high	1.975	29	20	0.06%	24	13	0.07%	30	15	0.05%	29	48	0.06%
Pulmonary, medium to high	0.457	13	251	0.73%	10	170	0.86%	15	216	0.68%	13	637	0.74%
Pulmonary, low	0.321	3	2,919	8.48%	3	1,441	7.27%	3	2,713	8.58%	3	7,073	8.24%
Rare Diseases	7.505	31	4	0.01%	40	0	0.00%	35	2	0.01%	34	6	0.01%
Renal, extra high	15.124	35	1	0.00%	40	0	0.00%	34	1	0.00%	36	2	0.00%
Renal, medium	1.178	34	18	0.05%	34	7	0.04%	33	15	0.05%	33	40	0.05%
Renal, low	0.277	19	301	0.87%	21	147	0.74%	21	249	0.79%	21	697	0.81%
Skeletal, very low to medium	0.319	2	4,719	13.72%	2	2,699	13.61%	2	4,686	14.82%	2	12,104	14.10%
Skin, high	0.773	42	3	0.01%	39	2	0.01%	42	2	0.01%	42	7	0.01%
Skin, low	0.487	36	21	0.06%	35	16	0.08%	37	19	0.06%	37	56	0.07%
Skin, very low	0.190	8	1,221	3.55%	7	703	3.54%	8	1,126	3.56%	8	3,050	3.55%
Substance abuse, very low to low	1.082	22	71	0.21%	19	42	0.21%	17	78	0.25%	18	191	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	18,545	53.91%	N/A	11,065	55.79%	N/A	17,141	54.20%	N/A	46,751	54.45%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	198	29.12%	N/A	200	30.08%	N/A	177	23.38%	N/A	575	27.35%
Age 5 to 14 Male	0.957	N/A	180	26.47%	N/A	184	27.67%	N/A	215	28.40%	N/A	579	27.59%
Age 5 to 14 Female	0.953	N/A	189	27.79%	N/A	164	24.66%	N/A	209	27.61%	N/A	562	26.74%
Age 15 to 18 Male	0.944	N/A	51	7.50%	N/A	55	8.27%	N/A	73	9.64%	N/A	179	8.52%
Age 15 to 18 Female	1.321	N/A	62	9.12%	N/A	62	9.32%	N/A	83	10.96%	N/A	207	9.85%
Risk Adjustment Results													
Scored Members													
		Magnolia			Molina			United			Total		
Member Months		34,402			19,834			31,627			85,863		
Unadjusted Plan Factor		1.004			0.952			1.005			0.993		
Budget Neutral Plan Factor		1.012			0.959			1.013			1.000		
Unscored Members													
Member Months		680			665			757			2,102		
Unadjusted Plan Factor		0.994			0.994			0.999			0.996		
Budget Neutral Plan Factor		0.998			0.999			1.003			1.000		
Total Members													
Member Months		35,082			20,499			32,384			87,965		
Unadjusted Plan Factor		1.004			0.953			1.005			0.993		
Budget Neutral Plan Factor		1.012			0.961			1.012			1.000		

Exhibit 3I
Mississippi Division of Medicaid
Risk Adjustment Results
MA Children - South Region - Q3 to Q4 2024 Prospective Risk Scores
CY 2023 Diagnosis Period - June 2024 Enrollment Period

		Scored Members											
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	28,413	100.00%	N/A	18,084	100.00%	N/A	30,615	100.00%	N/A	77,112	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	6,126	21.56%	N/A	5,852	32.36%	N/A	6,849	22.37%	N/A	18,827	24.42%
Age 5 to 14 Male	0.038	N/A	7,881	27.74%	N/A	4,555	25.19%	N/A	8,273	27.02%	N/A	20,709	26.86%
Age 5 to 14 Female	0.112	N/A	8,069	28.40%	N/A	4,541	25.11%	N/A	8,517	27.82%	N/A	21,127	27.40%
Age 15 to 18 Male	0.000	N/A	3,068	10.80%	N/A	1,553	8.59%	N/A	3,412	11.14%	N/A	8,033	10.42%
Age 15 to 18 Female	0.257	N/A	3,269	11.51%	N/A	1,583	8.75%	N/A	3,564	11.64%	N/A	8,416	10.91%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	199	0.70%	N/A	139	0.77%	N/A	201	0.66%	N/A	539	0.70%
Diagnosis Period Duration, 7 Months	0.098	N/A	160	0.56%	N/A	151	0.83%	N/A	181	0.59%	N/A	492	0.64%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	28,054	98.74%	N/A	17,794	98.40%	N/A	30,233	98.75%	N/A	76,081	98.66%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	1,614	5.68%	N/A	1,324	7.32%	N/A	1,691	5.52%	N/A	4,629	6.00%
Homelessness Category													
Homelessness cases	1.243	N/A	1	0.00%	N/A	1	0.01%	N/A	2	0.01%	N/A	4	0.01%
Disease Categories													
Cancer, medium to very high	2.895	15	31	0.11%	9	26	0.14%	12	41	0.13%	11	98	0.13%
Cardiovascular, very high	1.724	41	0	0.00%	37	3	0.02%	39	4	0.01%	39	7	0.01%
Cardiovascular, medium	0.733	13	130	0.46%	15	67	0.37%	19	119	0.39%	15	316	0.41%
Cardiovascular, low	0.450	10	271	0.95%	10	164	0.91%	9	324	1.06%	9	759	0.98%
Cardiovascular, extra low	0.412	12	248	0.87%	16	114	0.63%	10	300	0.98%	13	662	0.86%
Cerebrovascular, medium	2.021	39	1	0.00%	41	0	0.00%	36	6	0.02%	38	7	0.01%
CNS, high	2.129	30	9	0.03%	36	4	0.02%	38	5	0.02%	35	18	0.02%
CNS, medium	1.173	21	50	0.18%	27	23	0.13%	24	54	0.18%	25	127	0.16%
CNS, low	0.751	6	403	1.42%	6	277	1.53%	6	447	1.46%	6	1,127	1.46%
DD, low	1.630	24	34	0.12%	19	27	0.15%	14	61	0.20%	18	122	0.16%
DD, medium	6.081	37	1	0.00%	41	0	0.00%	42	0	0.00%	41	1	0.00%
Diabetes, type 1	3.867	5	108	0.38%	5	54	0.30%	5	145	0.47%	5	307	0.40%
Diabetes, type 2	0.479	32	37	0.13%	34	23	0.13%	33	44	0.14%	32	104	0.13%
Eye, very low to extra low	0.256	27	184	0.65%	25	130	0.72%	26	225	0.73%	26	539	0.70%
Gastro, high	3.331	25	16	0.06%	24	11	0.06%	18	27	0.09%	21	54	0.07%
Gastro, medium	1.271	20	48	0.17%	23	31	0.17%	21	58	0.19%	22	137	0.18%
Gastro, low	0.340	4	1,580	5.56%	4	1,046	5.78%	4	1,831	5.88%	4	4,457	5.78%
Genital, extra low	0.472	16	156	0.55%	12	111	0.61%	16	199	0.65%	16	466	0.60%
Hematological, extra high	3.863	36	2	0.01%	32	4	0.02%	37	3	0.01%	36	9	0.01%
Hematological, very high	3.011	31	6	0.02%	30	7	0.04%	32	7	0.02%	31	20	0.03%
Hematological, low to medium	0.381	19	182	0.64%	18	121	0.67%	22	183	0.60%	20	486	0.63%
Infectious, high to very high	0.682	29	37	0.13%	29	32	0.18%	28	66	0.22%	29	135	0.18%
Infectious, medium	0.176	22	322	1.13%	20	241	1.33%	23	361	1.18%	24	924	1.20%
Metabolic, high	0.754	18	94	0.33%	13	69	0.38%	17	123	0.40%	17	286	0.37%
Metabolic, medium	0.391	26	134	0.47%	14	128	0.71%	25	157	0.51%	23	419	0.54%
Pregnancy, complete	0.277	33	55	0.19%	35	39	0.22%	34	75	0.24%	33	169	0.22%
Pregnancy, incomplete	3.124	9	46	0.16%	17	15	0.08%	11	39	0.13%	10	100	0.13%
Psychiatric, high	3.507	23	16	0.06%	31	5	0.03%	29	11	0.04%	27	32	0.04%
Psychiatric, medium	1.859	7	148	0.52%	7	93	0.51%	7	164	0.54%	7	405	0.53%
Psychiatric, low	0.930	1	4,962	17.46%	1	2,490	13.77%	1	5,518	18.02%	1	12,970	16.82%
Pulmonary, very high	1.975	28	15	0.05%	28	12	0.07%	27	25	0.08%	28	52	0.07%
Pulmonary, medium to high	0.457	11	249	0.88%	11	154	0.85%	15	212	0.69%	12	615	0.80%
Pulmonary, low	0.321	3	2,284	8.04%	3	1,251	6.92%	3	2,508	8.19%	3	6,043	7.84%
Rare Diseases	7.505	34	2	0.01%	26	4	0.02%	30	4	0.01%	30	10	0.01%
Renal, extra high	15.124	41	0	0.00%	33	1	0.01%	35	1	0.00%	37	2	0.00%
Renal, medium	1.178	35	11	0.04%	38	3	0.02%	31	21	0.07%	34	35	0.05%
Renal, low	0.277	17	264	0.93%	21	149	0.82%	20	281	0.92%	19	694	0.90%
Skeletal, very low to medium	0.319	2	3,232	11.38%	2	1,857	10.27%	2	3,628	11.85%	2	8,717	11.30%
Skin, high	0.773	38	3	0.01%	39	4	0.02%	40	6	0.02%	40	13	0.02%
Skin, low	0.487	40	3	0.01%	40	2	0.01%	41	6	0.02%	42	11	0.01%
Skin, very low	0.190	8	1,228	4.32%	8	727	4.02%	8	1,345	4.39%	8	3,300	4.28%
Substance abuse, very low to low	1.082	14	86	0.30%	22	37	0.20%	13	95	0.31%	14	218	0.28%
Population Statistics													
No Classified Disease Categories	N/A	N/A	15,172	53.40%	N/A	10,137	56.06%	N/A	16,212	52.95%	N/A	41,521	53.85%

	Risk Weight	Unscored Members											
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	248	28.28%	N/A	272	32.89%	N/A	236	27.35%	N/A	756	29.45%
Age 5 to 14 Male	0.957	N/A	260	29.65%	N/A	195	23.58%	N/A	226	26.19%	N/A	681	26.53%
Age 5 to 14 Female	0.953	N/A	229	26.11%	N/A	210	25.39%	N/A	215	24.91%	N/A	654	25.48%
Age 15 to 18 Male	0.944	N/A	56	6.39%	N/A	79	9.55%	N/A	80	9.27%	N/A	215	8.38%
Age 15 to 18 Female	1.321	N/A	84	9.58%	N/A	71	8.59%	N/A	106	12.28%	N/A	261	10.17%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		28,413	18,084	30,615
Unadjusted Plan Factor		1.026	0.982	1.046
Budget Neutral Plan Factor		1.002	0.960	1.022
Unscored Members				
Member Months		877	827	863
Unadjusted Plan Factor		0.995	0.992	1.005
Budget Neutral Plan Factor		0.998	0.995	1.007
Total Members				
Member Months		29,290	18,911	31,478
Unadjusted Plan Factor		1.025	0.983	1.044
Budget Neutral Plan Factor		1.002	0.961	1.021

Exhibit 3J Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - North Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Regression Intercept	0.595	N/A	3,692	100.00%	N/A	1,860	100.00%	N/A	3,721	100.00%	N/A	9,273	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,206	32.67%	N/A	648	34.84%	N/A	1,296	34.83%	N/A	3,150	33.97%
Age 5 to 14 Female	0.112	N/A	1,275	34.53%	N/A	633	34.03%	N/A	1,228	33.00%	N/A	3,136	33.82%
Age 15 to 18 Male	0.000	N/A	617	16.71%	N/A	274	14.73%	N/A	585	15.72%	N/A	1,476	15.92%
Age 15 to 18 Female	0.257	N/A	594	16.09%	N/A	305	16.40%	N/A	612	16.45%	N/A	1,511	16.29%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	15	0.41%	N/A	28	1.51%	N/A	29	0.78%	N/A	72	0.78%
Diagnosis Period Duration, 7 Months	0.098	N/A	17	0.46%	N/A	21	1.13%	N/A	16	0.43%	N/A	54	0.58%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	3,660	99.13%	N/A	1,811	97.37%	N/A	3,676	98.79%	N/A	9,147	98.64%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	166	4.50%	N/A	117	6.29%	N/A	189	5.08%	N/A	472	5.09%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	22	2	0.05%	14	2	0.11%	16	3	0.08%	18	7	0.08%
Cardiovascular, very high	1.724	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Cardiovascular, medium	0.733	14	17	0.46%	23	4	0.22%	14	13	0.35%	13	34	0.37%
Cardiovascular, low	0.450	9	42	1.14%	10	21	1.13%	10	35	0.94%	10	98	1.06%
Cardiovascular, extra low	0.412	10	45	1.22%	9	27	1.45%	9	45	1.21%	9	117	1.26%
Cerebrovascular, medium	2.021	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
CNS, high	2.129	32	1	0.03%	24	1	0.05%	29	2	0.05%	31	4	0.04%
CNS, medium	1.173	19	7	0.19%	17	4	0.22%	25	4	0.11%	20	15	0.16%
CNS, low	0.751	6	37	1.00%	6	5	0.27%	6	51	1.37%	6	109	1.18%
DD, low	1.630	13	9	0.24%	16	3	0.16%	23	3	0.08%	15	15	0.16%
DD, medium	6.081	36	0	0.00%	12	1	0.05%	36	0	0.01%	34	1	0.01%
Diabetes, type 1	3.867	5	9	0.24%	6	4	0.22%	4	11	0.30%	5	24	0.26%
Diabetes, type 2	0.479	30	8	0.22%	26	4	0.22%	31	6	0.16%	30	18	0.19%
Eye, very low to extra low	0.256	18	34	0.92%	30	5	0.27%	28	17	0.46%	23	56	0.60%
Gastro, high	3.331	21	2	0.05%	20	1	0.05%	12	3	0.08%	19	6	0.06%
Gastro, medium	1.271	12	13	0.35%	15	4	0.22%	33	2	0.05%	15	19	0.20%
Gastro, low	0.340	4	111	3.01%	4	55	2.96%	5	117	3.14%	4	283	3.05%
Genital, extra low	0.472	24	10	0.27%	21	7	0.38%	24	10	0.29%	24	27	0.29%
Hematological, extra high	3.863	29	1	0.03%	33	0	0.00%	30	1	0.03%	32	2	0.02%
Hematological, very high	3.011	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Hematological, low to medium	0.381	23	15	0.41%	19	9	0.48%	18	21	0.56%	22	45	0.49%
Infectious, high to very high	0.682	25	7	0.19%	25	3	0.16%	27	7	0.19%	26	17	0.18%
Infectious, medium	0.176	33	12	0.33%	32	4	0.22%	32	16	0.43%	34	32	0.35%
Metabolic, high	0.754	11	24	0.65%	13	8	0.43%	17	11	0.30%	12	43	0.46%
Metabolic, medium	0.391	26	11	0.30%	28	4	0.22%	26	12	0.32%	27	27	0.29%
Pregnancy, complete	0.277	34	3	0.08%	27	6	0.32%	34	5	0.13%	35	14	0.15%
Pregnancy, incomplete	3.124	8	7	0.19%	11	2	0.11%	15	3	0.08%	11	12	0.13%
Psychiatric, high	3.507	20	2	0.05%	18	1	0.05%	21	2	0.05%	21	5	0.05%
Psychiatric, medium	1.859	15	6	0.16%	7	8	0.43%	7	18	0.48%	8	32	0.35%
Psychiatric, low	0.930	1	663	17.96%	1	320	17.20%	1	736	19.78%	1	1,719	18.54%
Pulmonary, very high	1.975	28	2	0.05%	33	0	0.00%	19	4	0.11%	25	6	0.06%
Pulmonary, medium to high	0.457	27	9	0.24%	29	3	0.16%	22	11	0.30%	28	23	0.25%
Pulmonary, low	0.321	3	346	9.37%	3	146	7.85%	3	313	8.41%	3	805	8.68%
Rare Diseases	7.505	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Renal, extra high	15.124	36	0	0.00%	33	0	0.00%	36	0	0.00%	38	0	0.00%
Renal, medium	1.178	31	2	0.05%	33	0	0.00%	20	6	0.16%	29	8	0.09%
Renal, low	0.277	17	32	0.87%	22	11	0.59%	13	36	0.97%	16	79	0.85%
Skeletal, very low to medium	0.319	2	678	18.36%	2	286	15.38%	2	660	17.74%	2	1,624	17.51%
Skin, high	0.773	35	1	0.03%	33	0	0.00%	36	0	0.00%	37	1	0.01%
Skin, low	0.487	36	0	0.00%	33	0	0.00%	35	1	0.03%	36	1	0.01%
Skin, very low	0.190	7	140	3.79%	8	74	3.98%	8	149	4.00%	7	363	3.91%
Substance abuse, very low to low	1.082	16	9	0.24%	31	1	0.05%	11	10	0.27%	17	20	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,901	51.49%	N/A	1,012	54.41%	N/A	1,899	51.03%	N/A	4,812	51.89%
Unscored Members													
	Risk Weight	Disease Impact Rank	Magnolia Member Months	% of Member Months	Disease Impact Rank	Molina Member Months	% of Member Months	Disease Impact Rank	United Member Months	% of Member Months	Disease Impact Rank	Total Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	38	33.63%	N/A	33	37.08%	N/A	38	31.40%	N/A	109	33.75%
Age 5 to 14 Female	0.953	N/A	48	42.48%	N/A	35	39.33%	N/A	53	43.80%	N/A	136	42.11%
Age 15 to 18 Male	0.944	N/A	11	9.73%	N/A	11	12.36%	N/A	14	11.57%	N/A	36	11.15%
Age 15 to 18 Female	1.321	N/A	16	14.16%	N/A	10	11.24%	N/A	16	13.22%	N/A	42	13.00%
Risk Adjustment Results													
		Magnolia			Molina			United			Total		
Scored Members			3,692			1,860			3,721			9,273	
Member Months			1,022			0.991			1.033			1,020	
Unadjusted Plan Factor			1.002			0.972			1.012			1.000	
Unscored Members			113			89			121			323	
Member Months			1.005			0.995			1.002			1.001	
Unadjusted Plan Factor			1.004			0.994			1.001			1.000	
Budget Neutral Plan Factor													
Total Members			3,805			1,949			3,842			9,596	
Member Months			1.021			0.992			1.032			1.019	
Unadjusted Plan Factor			1.002			0.973			1.012			1.000	
Budget Neutral Plan Factor													

Exhibit 3K

Mississippi Division of Medicaid

Risk Adjustment Results

Quasi-CHIP - Central Region - 03 to 04 2024 Prospective Risk Scores

CY 2023 Diagnosis Period - June 2024 Enrollment Period

	Risk Weight	Scored Members											
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	4,220	100.00%	N/A	2,109	100.00%	N/A	4,179	100.00%	N/A	10,508	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,446	34.27%	N/A	740	35.09%	N/A	1,401	33.52%	N/A	3,587	34.14%
Age 5 to 14 Female	0.112	N/A	1,375	32.58%	N/A	736	34.90%	N/A	1,401	33.52%	N/A	3,512	33.42%
Age 15 to 18 Male	0.000	N/A	684	16.21%	N/A	325	15.41%	N/A	705	16.87%	N/A	1,714	16.31%
Age 15 to 18 Female	0.257	N/A	715	16.94%	N/A	308	14.60%	N/A	672	16.08%	N/A	1,695	16.13%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	22	0.52%	N/A	10	0.47%	N/A	16	0.38%	N/A	48	0.46%
Diagnosis Period Duration, 7 Months	0.098	N/A	17	0.40%	N/A	13	0.62%	N/A	26	0.62%	N/A	56	0.53%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	4,181	99.08%	N/A	2,086	98.91%	N/A	4,137	98.99%	N/A	10,404	99.01%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	187	4.43%	N/A	180	8.53%	N/A	203	4.86%	N/A	570	5.42%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	8	10	0.24%	9	4	0.19%	9	9	0.22%	8	23	0.22%
Cardiovascular, very high	1.724	35	1	0.02%	31	1	0.05%	35	0	0.00%	37	2	0.02%
Cardiovascular, medium	0.733	13	21	0.50%	16	7	0.33%	16	17	0.41%	14	45	0.43%
Cardiovascular, low	0.450	12	38	0.90%	10	20	0.95%	10	53	1.27%	11	111	1.06%
Cardiovascular, extra low	0.412	11	53	1.26%	12	19	0.90%	12	53	1.27%	10	125	1.19%
Cerebrovascular, medium	2.021	30	2	0.05%	37	0	0.00%	35	0	0.00%	35	2	0.02%
CNS, high	2.129	34	1	0.02%	14	3	0.14%	24	3	0.07%	26	7	0.07%
CNS, medium	1.173	14	13	0.31%	21	3	0.14%	21	7	0.17%	17	23	0.22%
CNS, low	0.751	5	62	1.47%	5	29	1.38%	4	63	1.51%	4	154	1.47%
DD, low	1.630	24	5	0.12%	26	2	0.09%	11	14	0.34%	13	21	0.20%
DD, medium	6.081	39	0	0.00%	37	0	0.00%	35	0	0.00%	40	0	0.00%
Diabetes, type 1	3.867	6	8	0.19%	4	7	0.33%	5	11	0.26%	6	26	0.25%
Diabetes, type 2	0.479	29	10	0.24%	33	2	0.09%	27	9	0.22%	30	21	0.20%
Eye, very low to extra low	0.256	19	40	0.95%	24	13	0.62%	19	37	0.89%	20	90	0.86%
Gastro, high	3.331	20	3	0.07%	23	1	0.05%	29	1	0.02%	25	5	0.05%
Gastro, medium	1.271	16	10	0.24%	15	5	0.24%	15	10	0.24%	15	25	0.24%
Gastro, low	0.340	4	139	3.29%	6	54	2.56%	6	116	2.78%	5	309	2.94%
Genital, extra low	0.472	22	20	0.47%	25	7	0.33%	23	15	0.36%	24	42	0.40%
Hematological, extra high	3.863	39	0	0.00%	37	0	0.00%	22	2	0.05%	31	2	0.02%
Hematological, very high	3.011	39	0	0.00%	37	0	0.00%	35	0	0.00%	40	0	0.00%
Hematological, low to medium	0.381	18	28	0.66%	22	9	0.43%	25	16	0.38%	23	53	0.50%
Infectious, high to very high	0.682	27	9	0.21%	28	3	0.14%	28	6	0.14%	27	18	0.17%
Infectious, medium	0.176	37	7	0.17%	35	3	0.14%	33	8	0.19%	38	18	0.17%
Metabolic, high	0.754	17	15	0.36%	11	11	0.52%	18	13	0.31%	16	39	0.37%
Metabolic, medium	0.391	32	9	0.21%	30	5	0.24%	26	15	0.36%	29	29	0.28%
Pregnancy, complete	0.277	31	14	0.33%	32	7	0.28%	31	7	0.17%	32	27	0.26%
Pregnancy, incomplete	3.124	10	8	0.19%	27	1	0.05%	13	5	0.12%	12	14	0.13%
Psychiatric, high	3.507	26	2	0.05%	37	0	0.00%	35	0	0.00%	34	2	0.02%
Psychiatric, medium	1.859	7	16	0.38%	7	9	0.43%	7	19	0.45%	7	44	0.42%
Psychiatric, low	0.930	1	751	17.80%	1	327	15.50%	1	753	18.02%	1	1,831	17.42%
Pulmonary, very high	1.975	25	4	0.09%	29	1	0.05%	30	1	0.02%	28	6	0.06%
Pulmonary, medium to high	0.457	23	19	0.45%	19	8	0.38%	20	18	0.43%	22	45	0.43%
Pulmonary, low	0.321	3	385	9.12%	3	167	7.92%	3	348	8.33%	3	900	8.56%
Rare Diseases	7.505	15	2	0.05%	13	1	0.05%	35	0	0.00%	21	3	0.03%
Renal, extra high	15.124	39	0	0.00%	37	0	0.00%	35	0	0.00%	40	0	0.00%
Renal, medium	1.178	33	2	0.05%	20	3	0.14%	34	1	0.02%	33	6	0.06%
Renal, low	0.277	21	36	0.85%	17	18	0.85%	17	39	0.93%	18	93	0.89%
Skeletal, very low to medium	0.319	2	618	14.64%	2	259	12.28%	2	595	14.24%	2	1,472	14.01%
Skin, high	0.773	36	2	0.05%	34	1	0.05%	32	2	0.05%	36	5	0.05%
Skin, low	0.487	38	2	0.05%	36	1	0.05%	35	0	0.00%	39	3	0.03%
Skin, very low	0.190	9	134	3.18%	8	62	2.94%	8	142	3.40%	9	338	3.22%
Substance abuse, very low to low	1.082	28	5	0.12%	18	4	0.19%	14	13	0.31%	19	22	0.21%
Population Statistics													
No Classified Disease Categories	N/A	N/A	2,287	54.19%	N/A	1,183	56.09%	N/A	2,294	54.89%	N/A	5,764	54.85%

Demographic Categories	Risk Weight	Unscored Members											
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	35	33.02%	N/A	25	37.88%	N/A	36	39.13%	N/A	96	36.36%
Age 5 to 14 Female	0.953	N/A	35	33.02%	N/A	29	43.94%	N/A	37	40.22%	N/A	101	38.26%
Age 15 to 18 Male	0.944	N/A	18	16.98%	N/A	6	9.09%	N/A	13	14.13%	N/A	37	14.02%
Age 15 to 18 Female	1.321	N/A	18	16.98%	N/A	6	9.09%	N/A	6	6.52%	N/A	30	11.36%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		4,220	2,109	4,179
Unadjusted Plan Factor		1.021	0.959	1.012
Budget Neutral Plan Factor		1.016	0.954	1.007
Unscored Members				
Member Months		106	66	92
Unadjusted Plan Factor		1.015	0.987	0.977
Budget Neutral Plan Factor		1.020	0.992	0.982
Total Members				
Member Months		4,326	2,175	4,271
Unadjusted Plan Factor		1.021	0.960	1.011
Budget Neutral Plan Factor		1.016	0.955	1.007

Exhibit 3L Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - South Region - Q3 to Q4 2024 Prospective Risk Scores CY 2023 Diagnosis Period - June 2024 Enrollment Period													
Scored Members													
	Risk Weight	Magnolia			Molina			United		Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	3,208	100.00%	N/A	1,930	100.00%	N/A	3,663	100.00%	N/A	8,801	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,092	34.04%	N/A	685	35.49%	N/A	1,282	35.00%	N/A	3,059	34.73%
Age 5 to 14 Female	0.112	N/A	1,053	32.82%	N/A	665	34.46%	N/A	1,207	32.95%	N/A	2,925	33.23%
Age 15 to 18 Male	0.000	N/A	540	16.83%	N/A	291	15.08%	N/A	626	17.09%	N/A	1,457	16.55%
Age 15 to 18 Female	0.257	N/A	523	16.30%	N/A	289	14.97%	N/A	548	14.96%	N/A	1,360	15.45%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	8	0.25%	N/A	27	1.40%	N/A	24	0.66%	N/A	59	0.67%
Diagnosis Period Duration, 7 Months	0.098	N/A	15	0.47%	N/A	14	0.73%	N/A	15	0.41%	N/A	44	0.50%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	3,185	99.28%	N/A	1,889	97.88%	N/A	3,624	98.94%	N/A	8,698	98.83%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	186	5.80%	N/A	148	7.67%	N/A	181	4.94%	N/A	515	5.85%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	1	0.03%	N/A	1	0.01%
Disease Categories													
Cancer, medium to very high	2.895	7	10	0.31%	18	2	0.10%	13	5	0.14%	10	17	0.19%
Cardiovascular, very high	1.724	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
Cardiovascular, medium	0.733	21	9	0.28%	10	12	0.62%	18	15	0.41%	18	36	0.41%
Cardiovascular, low	0.450	13	33	1.03%	14	16	0.83%	14	32	0.87%	12	81	0.92%
Cardiovascular, extra low	0.412	10	53	1.65%	11	21	1.09%	9	56	1.53%	9	130	1.48%
Cerebrovascular, medium	2.021	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
CNS, high	2.129	30	1	0.03%	9	5	0.26%	12	7	0.19%	17	13	0.15%
CNS, medium	1.173	15	10	0.31%	17	5	0.26%	16	10	0.27%	16	25	0.28%
CNS, low	0.751	8	35	1.09%	6	20	1.04%	7	44	1.20%	17	99	1.12%
DD, low	1.630	16	7	0.22%	30	1	0.05%	11	12	0.33%	20	20	0.23%
DD, medium	6.081	35	0	0.00%	16	1	0.05%	35	0	0.00%	13	1	0.01%
Diabetes, type 1	3.867	4	17	0.53%	5	6	0.31%	4	24	0.66%	4	47	0.53%
Diabetes, type 2	0.479	25	10	0.31%	32	3	0.16%	29	7	0.19%	28	20	0.23%
Eye, very low to extra low	0.256	26	18	0.56%	23	14	0.73%	25	26	0.71%	25	58	0.66%
Gastro, high	3.331	11	5	0.16%	24	1	0.05%	20	3	0.08%	15	9	0.10%
Gastro, medium	1.271	14	10	0.31%	21	3	0.16%	27	3	0.08%	23	16	0.18%
Gastro, low	0.340	5	142	4.43%	4	83	4.30%	5	156	4.26%	5	381	4.33%
Genital, extra low	0.472	20	16	0.50%	22	8	0.41%	26	13	0.35%	24	37	0.42%
Hematological, extra high	3.863	35	0	0.00%	20	1	0.05%	35	0	0.00%	34	1	0.01%
Hematological, very high	3.011	35	0	0.00%	26	1	0.05%	35	0	0.00%	37	1	0.01%
Hematological, low to medium	0.381	24	13	0.41%	29	6	0.31%	28	9	0.25%	27	28	0.32%
Infectious, high to very high	0.682	31	3	0.09%	27	4	0.21%	33	2	0.05%	32	9	0.10%
Infectious, medium	0.176	33	6	0.19%	34	4	0.21%	32	11	0.30%	35	21	0.24%
Metabolic, high	0.754	17	14	0.44%	25	4	0.21%	15	16	0.44%	20	34	0.39%
Metabolic, medium	0.391	23	14	0.44%	31	4	0.21%	24	18	0.49%	26	36	0.41%
Pregnancy, complete	0.277	32	6	0.19%	33	3	0.16%	34	3	0.08%	36	12	0.14%
Pregnancy, incomplete	3.124	29	1	0.03%	8	4	0.21%	10	7	0.19%	11	12	0.14%
Psychiatric, high	3.507	18	3	0.09%	35	0	0.00%	19	3	0.08%	22	6	0.07%
Psychiatric, medium	1.859	6	19	0.59%	13	4	0.21%	6	21	0.57%	6	44	0.50%
Psychiatric, low	0.930	1	700	21.82%	1	430	22.28%	1	909	24.82%	1	2,039	23.17%
Pulmonary, very high	1.975	27	2	0.06%	35	0	0.00%	31	1	0.03%	32	3	0.03%
Pulmonary, medium to high	0.457	22	13	0.41%	19	9	0.47%	17	25	0.68%	21	47	0.53%
Pulmonary, low	0.321	3	236	7.36%	3	140	7.25%	3	311	8.49%	3	687	7.81%
Rare Diseases	7.505	35	0	0.00%	35	0	0.00%	23	1	0.03%	30	1	0.01%
Renal, extra high	15.124	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
Renal, medium	1.178	28	3	0.09%	28	2	0.10%	30	2	0.05%	29	7	0.08%
Renal, low	0.277	19	35	1.09%	15	22	1.14%	21	36	0.98%	19	93	1.06%
Skeletal, very low to medium	0.319	2	392	12.22%	2	195	10.10%	2	423	11.55%	2	1,010	11.48%
Skin, high	0.773	34	1	0.03%	35	0	0.00%	35	0	0.00%	38	1	0.01%
Skin, low	0.487	35	0	0.00%	35	0	0.00%	35	0	0.00%	39	0	0.00%
Skin, very low	0.190	9	117	3.65%	7	74	3.83%	8	158	4.31%	8	349	3.97%
Substance abuse, very low to low	1.082	12	14	0.44%	12	7	0.36%	22	7	0.19%	14	28	0.32%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,689	52.65%	N/A	1,004	52.02%	N/A	1,842	50.29%	N/A	4,535	51.53%
Unscored Members													
	Risk Weight	Magnolia			Molina			United		Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	26	33.33%	N/A	27	38.03%	N/A	41	39.81%	N/A	94	37.30%
Age 5 to 14 Female	0.953	N/A	31	39.74%	N/A	25	35.21%	N/A	30	29.13%	N/A	86	34.13%
Age 15 to 18 Male	0.944	N/A	7	8.97%	N/A	9	12.68%	N/A	18	17.48%	N/A	34	13.49%
Age 15 to 18 Female	1.321	N/A	14	17.95%	N/A	10	14.08%	N/A	14	13.59%	N/A	38	15.08%
Risk Adjustment Results													
Scored Members		Magnolia			Molina			United		Total			
Member Months		3,208			1,930			3,663		8,801			
Unadjusted Plan Factor		1.059			1.027			1.092		1.066			
Budget Neutral Plan Factor		0.994			0.963			1.025		1.000			
Unscored Members													
Member Months		78			71			103		252			
Unadjusted Plan Factor		1.019			1.005			1.003		1.009			
Budget Neutral Plan Factor		1.011			0.996			0.994		1.000			
Total Members													
Member Months		3,286			2,001			3,766		9,053			
Unadjusted Plan Factor		1.058			1.026			1.090		1.064			
Budget Neutral Plan Factor		0.994			0.965			1.024		1.000			

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
June 2024 Snapshot Period

North Region									
			Magnolia		Molina		United		Total
			Member	% of Member	Member	% of Member	Member	% of Member	Member
			Months	Months	Months	Months	Months	Months	Months
Description	Risk Weight								
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	1.433	278	18.30%	64	25.50%	101	19.57%	443
Money Code 3	Receiving IV-E Assistance	0.938	249	16.39%	41	16.33%	91	17.64%	381
Money Code 4	Receiving IV-E Subadoption Ast	0.145	927	61.03%	135	53.78%	288	55.81%	1,350
Other	All other Money Codes	0.000	65	4.28%	11	4.38%	36	6.98%	112
Unadjusted Plan Factor			0.941		1.033		0.964		0.956
Member Months			1,519		251		516		2,286
Budget Neutral Plan Factor			0.984		1.080		1.007		1.000

Central Region									
			Magnolia		Molina		United		Total
			Member	% of Member	Member	% of Member	Member	% of Member	Member
			Months	Months	Months	Months	Months	Months	Months
Description	Risk Weight								
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	1.433	316	20.13%	97	30.79%	99	21.57%	512
Money Code 3	Receiving IV-E Assistance	0.938	345	21.97%	89	28.25%	112	24.40%	546
Money Code 4	Receiving IV-E Subadoption Ast	0.145	858	54.65%	118	37.46%	219	47.71%	1,195
Other	All other Money Codes	0.000	51	3.25%	11	3.49%	29	6.32%	91
Unadjusted Plan Factor			1.011		1.197		1.044		1.042
Member Months			1,570		315		459		2,344
Budget Neutral Plan Factor			0.970		1.149		1.002		1.000

South Region									
			Magnolia		Molina		United		Total
			Member	% of Member	Member	% of Member	Member	% of Member	Member
			Months	Months	Months	Months	Months	Months	Months
Description	Risk Weight								
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	1.433	318	14.76%	112	25.17%	116	17.34%	546
Money Code 3	Receiving IV-E Assistance	0.938	400	18.56%	107	24.04%	121	18.09%	628
Money Code 4	Receiving IV-E Subadoption Ast	0.145	1,339	62.13%	211	47.42%	376	56.20%	1,926
Other	All other Money Codes	0.000	98	4.55%	15	3.37%	56	8.37%	169
Unadjusted Plan Factor			0.912		1.092		0.936		0.942
Member Months			2,155		445		669		3,269
Budget Neutral Plan Factor			0.969		1.159		0.994		1.000

Exhibit 4A Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024 Custom Risk Weights - Non-Newborn SSI / Disabled Rate Cell						
Model R-Squared: 29.5%						
Risk Weight Category	CY 2023 Member Months ¹	Scored Member Coefficient	Prevalence	Scored Member Model Metrics		Unscored Member Coefficient ³
				P-Value	Population Risk Score ²	
Regression Intercept	686,830	0.113	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	27,989	0.470	4.1%	N/A	1.364	1.364
Age 5 to 14 Male	82,498	0.184	12.0%	N/A	0.701	0.701
Age 5 to 14 Female	37,790	0.265	5.5%	N/A	0.872	0.872
Age 15 to 24 Male	64,121	0.000	9.3%	N/A	0.522	0.522
Age 15 to 24 Female	34,985	0.187	5.1%	N/A	0.831	0.831
Age 25 to 44 Male	80,695	0.003	11.7%	N/A	0.797	0.797
Age 25 to 44 Female	71,681	0.133	10.4%	N/A	1.120	1.120
Age 45 and Older Male	127,940	0.107	18.6%	N/A	1.188	1.188
Age 45 and Older Female	159,131	0.027	23.2%	N/A	1.249	1.249
Duration						
Diagnosis Period Duration, 6 to 7 Months	4,733	0.382	0.7%	0.000	1.320	N/A
Diagnosis Period Duration, 8 Months	2,773	0.320	0.4%	0.001	1.271	N/A
Diagnosis Period Duration, 9 to 11 Months	7,851	0.167	1.1%	0.004	1.340	N/A
Diagnosis Period Duration, 12 Months	671,473	0.000	97.8%	N/A	0.993	N/A
Homelessness						
Homelessness	5,632	0.931	0.8%	0.000	2.921	N/A
Disease Categories						
Cancer, very high	3,864	3.067	0.6%	0.000	5.033	N/A
Cancer, high	8,697	0.816	1.3%	0.000	2.519	N/A
Cancer, medium	12,472	0.611	1.8%	0.000	2.343	N/A
Cancer, low	7,519	0.318	1.1%	0.000	1.794	N/A
Cardiovascular, very high	4,821	1.460	0.7%	0.000	5.286	N/A
Cardiovascular, medium	78,617	0.584	11.4%	0.000	2.228	N/A
Cardiovascular, extra low to low	226,545	0.081	33.0%	0.000	1.115	N/A
Cerebrovascular, medium	11,081	0.115	1.6%	0.022	1.965	N/A
CNS, high	7,154	0.781	1.0%	0.000	2.878	N/A
CNS, medium	18,733	0.479	2.7%	0.000	1.839	N/A
CNS, low	123,627	0.243	18.0%	0.000	1.574	N/A
DD, low to medium	30,775	0.174	4.5%	0.000	1.252	N/A
Diabetes, type 1	10,180	0.862	1.5%	0.000	2.596	N/A
Diabetes, type 2	100,327	0.199	14.6%	0.000	1.596	N/A
Gastro, high	11,125	0.320	1.6%	0.000	3.363	N/A
Gastro, medium	29,419	0.268	4.3%	0.000	2.041	N/A
Gastro, low	124,224	0.135	18.1%	0.000	1.528	N/A
Hematological, extra high	12	4.752	0.0%	0.001	9.015	N/A
Hematological, medium to very high	13,267	0.931	1.9%	0.000	3.061	N/A
Hematological, low	10,527	0.370	1.5%	0.000	3.024	N/A
Infectious, high to very high	21,565	0.300	3.1%	0.000	2.374	N/A
Infectious, low to medium	25,862	0.188	3.8%	0.000	2.260	N/A
Metabolic, high	18,367	0.468	2.7%	0.000	2.576	N/A
Metabolic, medium	47,448	0.239	6.9%	0.000	2.349	N/A
Pregnancy, complete	5,329	0.173	0.8%	0.016	1.203	N/A
Pregnancy, incomplete	1,736	0.841	0.3%	0.000	1.941	N/A
Psychiatric, high	53,414	0.643	7.8%	0.000	1.568	N/A
Psychiatric, low to medium	282,160	0.225	41.1%	0.000	1.126	N/A
Pulmonary, very high	13,937	0.816	2.0%	0.000	3.257	N/A
Pulmonary, high	1,817	0.481	0.3%	0.000	2.577	N/A
Pulmonary, medium	32,635	0.472	4.8%	0.000	2.534	N/A
Pulmonary, low	105,596	0.131	15.4%	0.000	1.273	N/A
Rare Diseases	723	2.664	0.1%	0.000	4.594	N/A
Renal, extra high	4,153	4.191	0.6%	0.000	6.896	N/A
Renal, medium	27,425	0.362	4.0%	0.000	2.168	N/A
Renal, low	29,489	0.277	4.3%	0.000	1.870	N/A
Skeletal, medium	166,182	0.254	24.2%	0.000	1.595	N/A
Skeletal, very low to low	62,828	0.070	9.1%	0.002	1.374	N/A
Skin, low to high	11,851	0.624	1.7%	0.000	2.976	N/A
Skin, very low	47,331	0.169	6.9%	0.000	1.592	N/A
Substance abuse, low	45,757	0.324	6.7%	0.000	1.972	N/A
Substance abuse, very low	15,131	0.202	2.2%	0.000	1.694	N/A
Disabled Children Add-On						
Disabled Children Add-On - CNS, high	1,830	1.388	0.3%	0.000	4.287	N/A
Disabled Children Add-On - Gastro, high	5,933	1.508	0.9%	0.000	3.911	N/A
Disabled Children Add-On - Pulmonary, very high	2,933	0.419	0.4%	0.000	3.866	N/A

¹ CY 2023 member months satisfying the regression criteria.
² Reflects the average total risk score for all members associated with the given variable.
³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4B			
Mississippi Division of Medicaid			
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - Non-Newborn SSI / Disabled Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, very high	3.067
CANH	Cancer, high	Cancer, high	0.816
CANM	Cancer, medium	Cancer, medium	0.611
CANL	Cancer, low	Cancer, low	0.318
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.460
CARM	Cardiovascular, medium	Cardiovascular, medium	0.584
CARL	Cardiovascular, low	Cardiovascular, extra low to low	0.081
CAREL	Cardiovascular, extra low	Cardiovascular, extra low to low	0.081
CERM	Cerebrovascular, medium	Cerebrovascular, medium	0.115
CNSH	CNS, high	CNS, high	0.781
CNSM	CNS, medium	CNS, medium	0.479
CNSL	CNS, low	CNS, low	0.243
DDM	DD, medium	DD, low to medium	0.174
DDL	DD, low	DD, low to medium	0.174
DIA1	Diabetes, type 1	Diabetes, type 1	0.862
DIA2	Diabetes, type 2	Diabetes, type 2	0.199
EYEL	Eye, low	Not Used	Not Used
EYEVL	Eye, very low	Not Used	Not Used
GIH	Gastro, high	Gastro, high	0.320
GIM	Gastro, medium	Gastro, medium	0.268
GIL	Gastro, low	Gastro, low	0.135
GENEL	Genital, extra low	Not Used	Not Used
HEMEH	Hematological, extra high	Hematological, extra high	4.752
HEMVH	Hematological, very high	Hematological, medium to very high	0.931
HEMM	Hematological, medium	Hematological, medium to very high	0.931
HEML	Hematological, low	Hematological, low	0.370
INFVH	Infectious, very high	Infectious, high to very high	0.300
INFH	Infectious, high	Infectious, high to very high	0.300
INFM	Infectious, medium	Infectious, low to medium	0.188
INFL	Infectious, low	Infectious, low to medium	0.188
METH	Metabolic, high	Metabolic, high	0.468
METM	Metabolic, medium	Metabolic, medium	0.239
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.173
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.841
PSYH	Psychiatric, high	Psychiatric, high	0.643
PSYM	Psychiatric, medium	Psychiatric, low to medium	0.225
PSYL	Psychiatric, low	Psychiatric, low to medium	0.225
PULVH	Pulmonary, very high	Pulmonary, very high	0.816
PULH	Pulmonary, high	Pulmonary, high	0.481
PULM	Pulmonary, medium	Pulmonary, medium	0.472
PULL	Pulmonary, low	Pulmonary, low	0.131
RENEH	Renal, extra high	Renal, extra high	4.191
RENM	Renal, medium	Renal, medium	0.362
RENL	Renal, low	Renal, low	0.277
SKCM	Skeletal, medium	Skeletal, medium	0.254
SKCL	Skeletal, low	Skeletal, very low to low	0.070
SKCVL	Skeletal, very low	Skeletal, very low to low	0.070
SKNH	Skin, high	Skin, low to high	0.624
SKNL	Skin, low	Skin, low to high	0.624
SKNVL	Skin, very low	Skin, very low	0.169
SUBL	Substance abuse, low	Substance abuse, low	0.324
SUBVL	Substance abuse, very low	Substance abuse, very low	0.202
CCARVH	Disabled Children Add-On - Cardiovascular, very high	Not Used	Not Used
CCARM	Disabled Children Add-On - Cardiovascular, medium	Not Used	Not Used
CCNSH	Disabled Children Add-On - CNS, high	Disabled Children Add-On - CNS, high	1.388
CDDM	Disabled Children Add-On - DD, medium	Not Used	Not Used
CDIA1	Disabled Children Add-On - Diabetes, type 1	Not Used	Not Used
CGIH	Disabled Children Add-On - Gastro, high	Disabled Children Add-On - Gastro, high	1.508
CHEMEH	Disabled Children Add-On - Hematological, extra high	Not Used	Not Used
CHEMVH	Disabled Children Add-On - Hematological, very high	Not Used	Not Used
CINFVH	Disabled Children Add-On - Infectious, very high	Not Used	Not Used
CINFH	Disabled Children Add-On - Infectious, high	Not Used	Not Used
CINFM	Disabled Children Add-On - Infectious, medium	Not Used	Not Used
CMETH	Disabled Children Add-On - Metabolic, high	Not Used	Not Used
CMETM	Disabled Children Add-On - Metabolic, medium	Not Used	Not Used
CPSYH	Disabled Children Add-On - Psychiatric, high	Not Used	Not Used
CPSYM	Disabled Children Add-On - Psychiatric, medium	Not Used	Not Used
CPULVH	Disabled Children Add-On - Pulmonary, very high	Disabled Children Add-On - Pulmonary, very high	0.419
CRENEH	Disabled Children Add-On - Renal, extra high	Not Used	Not Used
CSUBL	Disabled Children Add-On - Substance abuse, low	Not Used	Not Used
CSUBVL	Disabled Children Add-On - Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.584
MRX2	Cardiac	Cardiovascular, extra low to low	0.081
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low to medium	0.225
MRX4	Diabetes	Diabetes, type 2	0.199
MRX5	Hemophilia/von Willebrands	Hematological, extra high	4.752
MRX6	Hepatitis	Infectious, low to medium	0.188
MRX7	HIV	Infectious, low to medium	0.188
MRX8	Infections, high	Infectious, high to very high	0.300
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.254
MRX10	Malignancies	Cancer, medium	0.611
MRX11	Multiple Sclerosis / Paralysis	CNS, high	0.781
MRX12	Parkinsons / Tremor	CNS, low	0.243
MRX13	Rare Diseases	Rare Diseases	2.664
MRX14	Seizure disorders	CNS, low	0.243
MRX15	Tuberculosis	Infectious, low to medium	0.188

Exhibit 4C

Mississippi Division of Medicaid

SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024

Custom Risk Weights - MA Adult Rate Cell

Model R-Squared: 35.6%						
Risk Weight Category	CY 2023 Member Months ¹	Scored Member Coefficient	Scored Member Model Metrics			Unscored Member Coefficient ³
			Prevalence	P-Value	Population Risk Score ²	
Regression Intercept	439,404	0.126	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 19 to 24 Male	1,191	0.000	0.3%	N/A	0.331	0.331
Age 19 to 24 Female	33,669	0.460	7.7%	N/A	1.115	1.115
Age 25 to 44 Male	29,458	0.111	6.7%	N/A	0.639	0.639
Age 25 to 44 Female	320,071	0.305	72.8%	N/A	0.993	0.993
Age 45 and Older Male	11,689	0.127	2.7%	N/A	0.943	0.943
Age 45 and Older Female	43,326	0.326	9.9%	N/A	1.245	1.245
Non-Utilizer Category						
No Base Period Medical Utilization	35,780	(0.126)	8.1%	0.000	0.284	N/A
Duration						
Diagnosis Period Duration, 6 Months	4,681	0.448	1.1%	0.000	1.255	N/A
Diagnosis Period Duration, 7 to 12 Months	434,723	0.000	98.9%	N/A	0.997	N/A
Homelessness						
Homelessness	699	0.472	0.2%	0.025	2.273	N/A
Disease Categories						
Cancer, high to very high	1,485	2.607	0.3%	0.000	4.707	N/A
Cancer, low to medium	5,126	0.394	1.2%	0.000	1.864	N/A
Cardiovascular, very high	501	2.004	0.1%	0.000	4.770	N/A
Cardiovascular, medium	20,731	0.547	4.7%	0.000	2.145	N/A
Cardiovascular, low	16,476	0.442	3.7%	0.000	1.827	N/A
Cardiovascular, extra low	115,484	0.118	26.3%	0.000	1.220	N/A
Cerebrovascular, medium	632	0.456	0.1%	0.038	2.523	N/A
CNS, high	1,927	0.552	0.4%	0.000	2.343	N/A
CNS, medium	2,919	0.544	0.7%	0.000	2.330	N/A
CNS, low	28,055	0.425	6.4%	0.000	1.946	N/A
Diabetes, type 1	3,825	1.366	0.9%	0.000	2.939	N/A
Diabetes, type 2	30,601	0.241	7.0%	0.000	1.660	N/A
Eye, very low to extra low	9,330	0.271	2.1%	0.000	1.694	N/A
Gastro, high	1,193	0.864	0.3%	0.000	3.034	N/A
Gastro, medium	11,530	0.585	2.6%	0.000	2.187	N/A
Gastro, low	60,114	0.278	13.7%	0.000	1.602	N/A
Genital, extra low	28,771	0.232	6.5%	0.000	1.659	N/A
Infectious, very high	101	1.355	0.0%	0.013	3.451	N/A
Infectious, high	6,403	0.426	1.5%	0.000	2.269	N/A
Infectious, low to medium	10,381	0.196	2.4%	0.000	1.874	N/A
Metabolic, high	5,493	0.528	1.3%	0.000	2.286	N/A
Metabolic, medium	15,886	0.296	3.6%	0.000	2.077	N/A
Pregnancy, complete	47,226	0.295	10.7%	0.000	1.212	N/A
Pregnancy, incomplete	14,968	1.430	3.4%	0.000	2.252	N/A
Psychiatric, high	4,060	0.665	0.9%	0.000	2.039	N/A
Psychiatric, medium	5,861	0.490	1.3%	0.000	1.858	N/A
Psychiatric, low	127,229	0.200	29.0%	0.000	1.384	N/A
Pulmonary, medium to very high	9,517	0.499	2.2%	0.000	2.412	N/A
Pulmonary, low	37,305	0.271	8.5%	0.000	1.620	N/A
Rare Diseases	66	6.883	0.0%	0.000	9.430	N/A
Renal, extra high	128	2.600	0.0%	0.000	6.574	N/A
Renal, medium	3,760	0.539	0.9%	0.000	2.478	N/A
Renal, low	8,726	0.472	2.0%	0.000	2.097	N/A
Skeletal, medium	115,794	0.270	26.4%	0.000	1.436	N/A
Skeletal, low	15,336	0.251	3.5%	0.000	1.437	N/A
Skeletal, very low	11,243	0.189	2.6%	0.000	1.335	N/A
Skin, high	371	1.732	0.1%	0.000	4.561	N/A
Skin, low	1,151	0.891	0.3%	0.000	3.004	N/A
Skin, very low	29,277	0.178	6.7%	0.000	1.483	N/A
Substance abuse, very low to low	31,117	0.299	7.1%	0.000	1.675	N/A

¹ CY 2023 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4D Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024 CDPS+Rx Mapping to Custom Risk Weight Categories - MA Adult Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, high to very high	2.607
CANH	Cancer, high	Cancer, high to very high	2.607
CANM	Cancer, medium	Cancer, low to medium	0.394
CANL	Cancer, low	Cancer, low to medium	0.394
CARVH	Cardiovascular, very high	Cardiovascular, very high	2.004
CARM	Cardiovascular, medium	Cardiovascular, medium	0.547
CARL	Cardiovascular, low	Cardiovascular, low	0.442
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.118
CERM	Cerebrovascular, medium	Cerebrovascular, medium	0.456
CNSH	CNS, high	CNS, high	0.552
CNSM	CNS, medium	CNS, medium	0.544
CNSL	CNS, low	CNS, low	0.425
DDM	DD, medium	Not Used	Not Used
DDL	DD, low	Not Used	Not Used
DIA1	Diabetes, type 1	Diabetes, type 1	1.366
DIA2	Diabetes, type 2	Diabetes, type 2	0.241
EYEL	Eye, low	Eye, very low to extra low	0.271
EYEVL	Eye, very low	Eye, very low to extra low	0.271
GIH	Gastro, high	Gastro, high	0.864
GIM	Gastro, medium	Gastro, medium	0.585
GIL	Gastro, low	Gastro, low	0.278
GENEL	Genital, extra low	Genital, extra low	0.232
HEMEH	Hematological, extra high	Not Used	Not Used
HEMVH	Hematological, very high	Not Used	Not Used
HEMM	Hematological, medium	Not Used	Not Used
HEML	Hematological, low	Not Used	Not Used
INFVH	Infectious, very high	Infectious, very high	1.355
INFH	Infectious, high	Infectious, high	0.426
INFM	Infectious, medium	Infectious, low to medium	0.196
INFL	Infectious, low	Infectious, low to medium	0.196
METH	Metabolic, high	Metabolic, high	0.528
METM	Metabolic, medium	Metabolic, medium	0.296
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.295
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	1.430
PSYH	Psychiatric, high	Psychiatric, high	0.665
PSYM	Psychiatric, medium	Psychiatric, medium	0.490
PSYL	Psychiatric, low	Psychiatric, low	0.200
PULVH	Pulmonary, very high	Pulmonary, medium to very high	0.499
PULH	Pulmonary, high	Pulmonary, medium to very high	0.499
PULM	Pulmonary, medium	Pulmonary, medium to very high	0.499
PULL	Pulmonary, low	Pulmonary, low	0.271
RENEH	Renal, extra high	Renal, extra high	2.600
RENM	Renal, medium	Renal, medium	0.539
RENL	Renal, low	Renal, low	0.472
SKCM	Skeletal, medium	Skeletal, medium	0.270
SKCL	Skeletal, low	Skeletal, low	0.251
SKCVL	Skeletal, very low	Skeletal, very low	0.189
SKNH	Skin, high	Skin, high	1.732
SKNL	Skin, low	Skin, low	0.891
SKNVL	Skin, very low	Skin, very low	0.178
SUBL	Substance abuse, low	Substance abuse, very low to low	0.299
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.299
MRX1	Anti-coagulants	Cardiovascular, medium	0.547
MRX2	Cardiac	Cardiovascular, extra low	0.118
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.200
MRX4	Diabetes	Diabetes, type 2	0.241
MRX5	Hemophilia/von Willebrands	Not Used	Not Used
MRX6	Hepatitis	Infectious, low to medium	0.196
MRX7	HIV	Infectious, low to medium	0.196
MRX8	Infections, high	Infectious, high	0.426
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.270
MRX10	Malignancies	Cancer, low to medium	0.394
MRX11	Multiple Sclerosis / Paralysis	CNS, high	0.552
MRX12	Parkinsons / Tremor	CNS, low	0.425
MRX13	Rare Diseases	Rare Diseases	6.883
MRX14	Seizure disorders	CNS, low	0.425
MRX15	Tuberculosis	Infectious, low to medium	0.196

Exhibit 4E						
Mississippi Division of Medicaid						
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024						
Custom Risk Weights - CHIP & MississippiCAN Children Rate Cells						
Model R-Squared: 10.2%						
Risk Weight Category	Scored Member Model Metrics					
	CY 2023 Member Months ¹	Scored Member Coefficient	Prevalence	P-Value	Population Risk Score ²	Unscored Member Coefficient ³
Regression Intercept	3,309,147	0.595	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	731,984	0.168	22.1%	N/A	0.976	0.976
Age 5 to 14 Male	909,713	0.038	27.5%	N/A	0.957	0.957
Age 5 to 14 Female	918,920	0.112	27.8%	N/A	0.953	0.953
Age 15 to 18 Male	371,291	0.000	11.2%	N/A	0.944	0.944
Age 15 to 18 Female	377,239	0.257	11.4%	N/A	1.321	1.321
Non-Utilizer Category						
No Base Period Medical Utilization	182,980	(0.410)	5.5%	0.000	0.282	N/A
Duration						
Diagnosis Period Duration, 6 Months	14,570	0.108	0.4%	0.037	0.886	N/A
Diagnosis Period Duration, 7 Months	26,037	0.098	0.8%	0.011	1.006	N/A
Diagnosis Period Duration, 8 to 12 Months	3,268,540	0.000	98.8%	N/A	1.000	N/A
Homelessness						
Homelessness	234	1.243	0.0%	0.002	3.173	N/A
Disease Categories						
Cancer, medium to very high	4,462	2.895	0.1%	0.000	5.020	N/A
Cardiovascular, very high	366	1.724	0.0%	0.000	7.166	N/A
Cardiovascular, medium	16,247	0.733	0.5%	0.000	2.440	N/A
Cardiovascular, low	43,787	0.450	1.3%	0.000	1.902	N/A
Cardiovascular, extra low	33,091	0.412	1.0%	0.000	2.102	N/A
Cerebrovascular, medium	265	2.021	0.0%	0.000	5.904	N/A
CNS, high	1,577	2.129	0.0%	0.000	4.449	N/A
CNS, medium	4,645	1.173	0.1%	0.000	3.149	N/A
CNS, low	50,373	0.751	1.5%	0.000	2.303	N/A
DD, medium	36	6.081	0.0%	0.000	9.047	N/A
DD, low	4,791	1.630	0.1%	0.000	3.800	N/A
Diabetes, type 1	8,130	3.867	0.2%	0.000	5.181	N/A
Diabetes, type 2	5,941	0.479	0.2%	0.000	2.127	N/A
Eye, very low to extra low	20,748	0.256	0.6%	0.000	1.548	N/A
Gastro, high	2,475	3.331	0.1%	0.000	5.923	N/A
Gastro, medium	6,128	1.271	0.2%	0.000	3.044	N/A
Gastro, low	166,443	0.340	5.0%	0.000	1.603	N/A
Genital, extra low	18,564	0.472	0.6%	0.000	1.940	N/A
Hematological, extra high	48	3.863	0.0%	0.000	4.657	N/A
Hematological, very high	557	3.011	0.0%	0.000	7.302	N/A
Hematological, low to medium	21,443	0.381	0.6%	0.000	1.974	N/A
Infectious, high to very high	4,543	0.662	0.1%	0.000	2.646	N/A
Infectious, medium	38,038	0.176	1.1%	0.000	1.436	N/A
Metabolic, high	12,930	0.754	0.4%	0.000	2.841	N/A
Metabolic, medium	10,153	0.391	0.3%	0.000	2.402	N/A
Pregnancy, complete	6,712	0.277	0.2%	0.000	1.750	N/A
Pregnancy, incomplete	3,714	3.124	0.1%	0.000	4.510	N/A
Psychiatric, high	1,066	3.507	0.0%	0.000	5.081	N/A
Psychiatric, medium	12,361	1.859	0.4%	0.000	3.079	N/A
Psychiatric, low	495,629	0.930	15.0%	0.000	1.883	N/A
Pulmonary, very high	2,702	1.975	0.1%	0.000	4.489	N/A
Pulmonary, medium to high	25,507	0.457	0.8%	0.000	1.941	N/A
Pulmonary, low	273,757	0.321	8.3%	0.000	1.456	N/A
Rare Diseases	287	7.506	0.0%	0.000	9.572	N/A
Renal, extra high	69	15.124	0.0%	0.000	19.997	N/A
Renal, medium	1,834	1.178	0.1%	0.000	3.242	N/A
Renal, low	25,902	0.277	0.8%	0.000	1.702	N/A
Skeletal, very low to medium	432,135	0.319	13.1%	0.000	1.490	N/A
Skin, high	306	0.773	0.0%	0.030	3.114	N/A
Skin, low	819	0.487	0.0%	0.025	2.125	N/A
Skin, very low	119,701	0.190	3.6%	0.000	1.366	N/A
Substance abuse, very low to low	6,264	1.082	0.2%	0.000	3.154	N/A

¹ CY 2023 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4F			
Mississippi Division of Medicaid			
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - CHIP & MississippiCAN Children Rate Cells			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, medium to very high	2.895
CANH	Cancer, high	Cancer, medium to very high	2.895
CANM	Cancer, medium	Cancer, medium to very high	2.895
CANL	Cancer, low	Not Used	Not Used
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.724
CARM	Cardiovascular, medium	Cardiovascular, medium	0.733
CARL	Cardiovascular, low	Cardiovascular, low	0.450
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.412
CERM	Cerebrovascular, medium	Cerebrovascular, medium	2.021
CNSH	CNS, high	CNS, high	2.129
CNSM	CNS, medium	CNS, medium	1.173
CNSL	CNS, low	CNS, low	0.751
DDM	DD, medium	DD, medium	6.081
DDL	DD, low	DD, low	1.630
DIA1	Diabetes, type 1	Diabetes, type 1	3.867
DIA2	Diabetes, type 2	Diabetes, type 2	0.479
EYEL	Eye, low	Eye, very low to extra low	0.256
EYEVL	Eye, very low	Eye, very low to extra low	0.256
GIH	Gastro, high	Gastro, high	3.331
GIM	Gastro, medium	Gastro, medium	1.271
GIL	Gastro, low	Gastro, low	0.340
GENEL	Genital, extra low	Genital, extra low	0.472
HEMEH	Hematological, extra high	Hematological, extra high	3.863
HEMVH	Hematological, very high	Hematological, very high	3.011
HEMM	Hematological, medium	Hematological, low to medium	0.381
HEML	Hematological, low	Hematological, low to medium	0.381
INFVH	Infectious, very high	Infectious, high to very high	0.662
INFH	Infectious, high	Infectious, high to very high	0.662
INFM	Infectious, medium	Infectious, medium	0.176
INFL	Infectious, low	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.754
METM	Metabolic, medium	Metabolic, medium	0.391
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.277
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	3.124
PSYH	Psychiatric, high	Psychiatric, high	3.507
PSYM	Psychiatric, medium	Psychiatric, medium	1.859
PSYL	Psychiatric, low	Psychiatric, low	0.930
PULVH	Pulmonary, very high	Pulmonary, very high	1.975
PULH	Pulmonary, high	Pulmonary, medium to high	0.457
PULM	Pulmonary, medium	Pulmonary, medium to high	0.457
PULL	Pulmonary, low	Pulmonary, low	0.321
RENEH	Renal, extra high	Renal, extra high	15.124
RENM	Renal, medium	Renal, medium	1.178
RENL	Renal, low	Renal, low	0.277
SKCM	Skeletal, medium	Skeletal, very low to medium	0.319
SKCL	Skeletal, low	Skeletal, very low to medium	0.319
SKCVL	Skeletal, very low	Skeletal, very low to medium	0.319
SKNH	Skin, high	Skin, high	0.773
SKNL	Skin, low	Skin, low	0.487
SKNVL	Skin, very low	Skin, very low	0.190
SUBL	Substance abuse, low	Substance abuse, very low to low	1.082
SUBVL	Substance abuse, very low	Substance abuse, very low to low	1.082
MRX1	Anti-coagulants	Cardiovascular, medium	0.733
MRX2	Cardiac	Cardiovascular, extra low	0.412
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.930
MRX4	Diabetes	Diabetes, type 2	0.479
MRX5	Hemophilia/von Willebrands	Hematological, extra high	3.863
MRX6	Hepatitis	Infectious, medium	0.176
MRX7	HIV	Infectious, medium	0.176
MRX8	Infections, high	Infectious, high to very high	0.662
MRX9	Inflammatory /Autoimmune	Skeletal, very low to medium	0.319
MRX10	Malignancies	Cancer, medium to very high	2.895
MRX11	Multiple Sclerosis / Paralysis	CNS, high	2.129
MRX12	Parkinsons / Tremor	CNS, low	0.751
MRX13	Rare Diseases	Rare Diseases	7.506
MRX14	Seizure disorders	CNS, low	0.751
MRX15	Tuberculosis	Not Used	Not Used

Exhibit 5A
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024

Region:	North								
	(a)	(b)	(c) = (a) × (b)	(d)	(e)	(f)	(g)	(h) = (d) + (e) + (f) + (g)	(i) = (c) + (h)
	Budget Neutral Risk Score	Unadjusted Capitation Rate PMPM¹	Risk Adjusted Capitation Payment PMPM	MHAP FSA Payment PMPM²	MHAP QIPP Payment PMPM²	MAPS Payment PMPM²	TREAT Payment PMPM²	Total Payments Outside of Rates	Total Payments (Capitation Rates Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	0.9979	\$760.00	\$758.40	\$290.00	\$150.00	\$10.00	\$5.00	\$455.00	\$1,213.40
Molina	0.9935	\$760.00	\$755.03	\$290.00	\$150.00	\$10.00	\$5.00	\$455.00	\$1,210.03
United	1.0047	\$760.00	\$763.57	\$290.00	\$150.00	\$10.00	\$5.00	\$455.00	\$1,218.57
MA Adult									
Magnolia	1.0103	\$360.00	\$363.69	\$130.00	\$150.00	\$10.00	\$5.00	\$295.00	\$658.69
Molina	0.9731	\$360.00	\$350.32	\$130.00	\$150.00	\$10.00	\$5.00	\$295.00	\$645.32
United	1.0082	\$360.00	\$362.95	\$130.00	\$150.00	\$10.00	\$5.00	\$295.00	\$657.95
MA Children									
Magnolia	1.0034	\$210.00	\$210.72	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$415.72
Molina	0.9673	\$210.00	\$203.13	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$408.13
United	1.0161	\$210.00	\$213.38	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$418.38
Quasi-CHIP									
Magnolia	1.0017	\$200.00	\$200.35	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$405.35
Molina	0.9727	\$200.00	\$194.55	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$399.55
United	1.0121	\$200.00	\$202.42	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$407.42
Foster Care									
Magnolia	0.9830	\$630.00	\$619.27	\$310.00	\$150.00	\$10.00	\$5.00	\$475.00	\$1,094.27
Molina	1.1098	\$630.00	\$699.16	\$310.00	\$150.00	\$10.00	\$5.00	\$475.00	\$1,174.16
United	0.9956	\$630.00	\$627.21	\$310.00	\$150.00	\$10.00	\$5.00	\$475.00	\$1,102.21

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Exhibit 5B
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024

Region:	Central									
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)	
Non-Newborn SSI / Disabled										
Magnolia	1.0083	\$900.00	\$907.43	\$350.00	\$150.00	\$10.00	\$5.00	\$515.00	\$1,422.43	
Molina	0.9982	\$900.00	\$898.34	\$350.00	\$150.00	\$10.00	\$5.00	\$515.00	\$1,413.34	
United	0.9904	\$900.00	\$891.34	\$350.00	\$150.00	\$10.00	\$5.00	\$515.00	\$1,406.34	
MA Adult										
Magnolia	1.0192	\$370.00	\$377.09	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$682.09	
Molina	0.9697	\$370.00	\$358.80	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$663.80	
United	1.0031	\$370.00	\$371.13	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$676.13	
MA Children										
Magnolia	1.0116	\$220.00	\$222.55	\$50.00	\$150.00	\$10.00	\$5.00	\$215.00	\$437.55	
Molina	0.9605	\$220.00	\$211.32	\$50.00	\$150.00	\$10.00	\$5.00	\$215.00	\$426.32	
United	1.0124	\$220.00	\$222.73	\$50.00	\$150.00	\$10.00	\$5.00	\$215.00	\$437.73	
Quasi-CHIP										
Magnolia	1.0162	\$210.00	\$213.40	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$418.40	
Molina	0.9549	\$210.00	\$200.54	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$405.54	
United	1.0065	\$210.00	\$211.37	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$416.37	
Foster Care										
Magnolia	0.9592	\$660.00	\$633.04	\$440.00	\$150.00	\$10.00	\$5.00	\$605.00	\$1,238.04	
Molina	1.1722	\$660.00	\$773.66	\$440.00	\$150.00	\$10.00	\$5.00	\$605.00	\$1,378.66	
United	1.0238	\$660.00	\$675.68	\$440.00	\$150.00	\$10.00	\$5.00	\$605.00	\$1,280.68	

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2024

Region:	South								
	(a)	(b)	(c) = (a) × (b)	(d)	(e)	(f)	(g)	(h) = (d) + (e) + (f) + (g)	(i) = (c) + (h)
	Budget Neutral Risk Score	Unadjusted Capitation Rate PMPM¹	Risk Adjusted Capitation Payment PMPM	MHAP FSA Payment PMPM²	MHAP QIPP Payment PMPM²	MAPS Payment PMPM²	TREAT Payment PMPM²	Total Payments Outside of Rates	Total Payments (Capitation Rates Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0167	\$950.00	\$965.87	\$380.00	\$150.00	\$10.00	\$5.00	\$545.00	\$1,510.87
Molina	0.9998	\$950.00	\$949.84	\$380.00	\$150.00	\$10.00	\$5.00	\$545.00	\$1,494.84
United	0.9841	\$950.00	\$934.88	\$380.00	\$150.00	\$10.00	\$5.00	\$545.00	\$1,479.88
MA Adult									
Magnolia	1.0195	\$350.00	\$356.83	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$661.83
Molina	0.9619	\$350.00	\$336.68	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$641.68
United	1.0098	\$350.00	\$353.43	\$140.00	\$150.00	\$10.00	\$5.00	\$305.00	\$658.43
MA Children									
Magnolia	1.0022	\$190.00	\$190.41	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$395.41
Molina	0.9611	\$190.00	\$182.62	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$387.62
United	1.0213	\$190.00	\$194.05	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$399.05
Quasi-CHIP									
Magnolia	0.9944	\$180.00	\$178.99	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$383.99
Molina	0.9645	\$180.00	\$173.62	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$378.62
United	1.0238	\$180.00	\$184.28	\$40.00	\$150.00	\$10.00	\$5.00	\$205.00	\$389.28
Foster Care									
Magnolia	0.9611	\$560.00	\$538.22	\$240.00	\$150.00	\$10.00	\$5.00	\$405.00	\$943.22
Molina	1.1759	\$560.00	\$658.48	\$240.00	\$150.00	\$10.00	\$5.00	\$405.00	\$1,063.48
United	1.0068	\$560.00	\$563.82	\$240.00	\$150.00	\$10.00	\$5.00	\$405.00	\$968.82

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

December 13, 2024

Jennifer Wentworth
Chief of Staff
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Wentworth17 - MississippiCAN Capitation Risk Adjustment – Q1 to Q2 2025 Prospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2025, which are documented in a separately provided report.¹ As outlined in that report and summarized in Table 1 below, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective January 1, 2025 through June 30, 2025 (Q1 to Q2 2025) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2025.

As described in greater detail below, we develop Q1 to Q2 2025 risk scores using diagnoses from July 2023 to June 2024 (SFY 2024) and the enrollment mix for each CCO as of October 2024. In addition, we adjusted the enrollment records to identify MYPAC rate cell members that were incorrectly assigned to other children rate cells.

Please note, the Foster Care risk scores issued in this report are preliminary estimates and will be trued up to actual enrollment retrospectively. The time periods involved in truing up Foster Care risk adjustment are described in greater detail below.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q1 to Q2 2025 were developed using:

¹ "Report18 - SFY 2025 Preliminary MississippiCAN Rate Calculation and Certification.pdf," dated December 4, 2024.



- Diagnosis Period: Medical and drug diagnosis information from encounter and FFS claims incurred during SFY 2024 with runout through August 30, 2024. Pharmacy claims data was excluded from this analysis for July to September 2023, given issues with the pharmacy data during that time period.
- Enrollment Period: Demographic and enrollment information from October 2024.

Table 2 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Based on SFY 2024 Diagnosis Period and October 2024 Enrollment							
		North		Central		South	
Rate Cell	CCO	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	9,513	1.001	10,051	1.013	7,078	1.022
Non-Newborn SSI / Disabled	Molina	2,813	0.981	2,976	0.979	2,550	0.993
Non-Newborn SSI / Disabled	United	8,051	1.005	8,069	0.991	7,351	0.981
MA Adult	Magnolia	6,049	1.005	6,678	1.018	6,114	1.020
MA Adult	Molina	4,001	0.991	4,876	0.961	5,017	0.964
MA Adult	United	5,583	1.001	6,159	1.011	6,899	1.009
MA Children	Magnolia	30,731	1.008	35,409	1.012	29,328	1.006
MA Children	Molina	17,636	0.967	21,052	0.961	19,243	0.956
MA Children	United	28,593	1.012	32,266	1.012	31,076	1.022
Quasi-CHIP	Magnolia	3,842	1.004	4,409	1.018	3,305	1.010
Quasi-CHIP	Molina	2,030	0.963	2,177	0.966	2,025	0.942
Quasi-CHIP	United	3,834	1.016	4,192	0.999	3,693	1.023
Foster Care	Magnolia	1,522	0.996	1,552	0.982	2,154	0.976
Foster Care	Molina	244	1.047	299	1.101	450	1.118
Foster Care	United	490	0.988	434	0.994	677	0.997

Only MississippiCAN-eligible members enrolled in a CCO during October 2024 were considered in this analysis. Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found on the enrollment record, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data, is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information. In addition, for some populations additional variables based upon utilizer status, housing insecurity indicators, and the length of enrollment during the diagnostic period are included in the risk score calculation.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment records.

Starting in July 2021, some members in the MYPAC rate cell, which is not risk adjusted, were not correctly assigned a 'SED' lock-in flag and were instead assigned to other children rate cells, including several rate cells that are risk adjusted. We identified members that utilized MYPAC services during the risk adjustment period and recategorized these members to the MYPAC rate cell for the purposes of risk adjustment calculations.

A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members aged 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2025 for all rate cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.



Risk Score Changes

The last release of risk scores included prospective budget-neutral risk scores for Q3 to Q4 2024. These risk scores were based on June 2024 enrollment and diagnoses from January 2023 through December 2023 with runout through April 26, 2024. Changes in budget-neutral plan risk scores between the Q3 to Q4 2024 risk scores and the Q1 to Q2 2025 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes.

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column.

Table 3 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Changes in Statewide Budget Neutral Risk Scores Q3 to Q4 2024 vs. Q1 to Q2 2025				
Cohort	Risk Scores:	Q3 to Q4 2024	Q1 to Q2 2025	% Change
	Enrollment:	June 2024	October 2024	
	Diagnosis Period:	CY 2023	SFY 2023	
Non-Newborn SSI / Disabled	Magnolia	1.007	1.011	0.45%
Non-Newborn SSI / Disabled	Molina	0.997	0.984	-1.33%
Non-Newborn SSI / Disabled	United	0.993	0.993	-0.05%
MA Adult	Magnolia	1.016	1.014	-0.20%
MA Adult	Molina	0.968	0.971	0.30%
MA Adult	United	1.007	1.007	0.01%
MA Children	Magnolia	1.006	1.009	0.27%
MA Children	Molina	0.963	0.961	-0.18%
MA Children	United	1.017	1.015	-0.12%
Quasi-CHIP	Magnolia	1.005	1.011	0.57%
Quasi-CHIP	Molina	0.964	0.957	-0.67%
Quasi-CHIP	United	1.014	1.012	-0.17%
Foster Care	Magnolia	0.974	0.984	1.06%
Foster Care	Molina	1.136	1.096	-3.59%
Foster Care	United	1.000	0.993	-0.70%

Exhibit 2 allocates the change in risk scores between the last release and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable.
- Column B: Updates the risk scores shown in Column A with an additional data runout.
- Column C: Updates the risk scores shown in Column B with an updated diagnosis period.
- Column D: Updates the risk scores shown in Column C with enrollment from October 2024, the snapshot enrollment month chosen to represent enrollment for January to June 2025.

Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2 since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the last release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.



Table 4 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Statewide Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q3 to Q4 2024	98%	96%	98%	98%
Q1 to Q2 2025	99%	97%	98%	98%
MA Adult				
Q3 to Q4 2024	94%	94%	94%	94%
Q1 to Q2 2025	94%	93%	94%	94%
MA Children				
Q3 to Q4 2024	97%	96%	97%	97%
Q1 to Q2 2025	97%	96%	97%	96%
Quasi-CHIP				
Q3 to Q4 2024	97%	96%	97%	97%
Q1 to Q2 2025	98%	97%	97%	97%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Note, a single exhibit is provided for the Foster Care rate cell.

Table 5 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- Scored Members
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category
 - Count of members falling into each durational category
 - Count of members in the non-utilizer category
 - Count of members assigned to the housing insecurity category, for applicable populations
 - Disease category prevalence
 - Count of members not assigned to a CDPS + Rx category
- Unscored Members
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- Risk Adjustment Results
 - Calculation of budget neutral risk score for scored and unscored members and in total



Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell since risk scores for that population do not utilize diagnostic information.

Table 6 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Conditions with the Top Five Disease Impacts Statewide Results				
Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, low to medium	Skeletal, medium	Psychiatric, low	Psychiatric, low
2	Cardiovascular, medium	Pregnancy, incomplete	Skeletal, very low to medium	Skeletal, very low to medium
3	Skeletal, medium	Psychiatric, low	Pulmonary, low	Pulmonary, low
4	Psychiatric, high	Gastro, low	Gastro, low	Diabetes, type 1
5	CNS, low	Pregnancy, complete	CNS, low	Gastro, low

Member-Level Risk Scores

Text files providing member-level demographic, duration, diagnosis, and other risk score category information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, durational, diagnostic, and other risk score category information for each member
- The “unscored” extract provides only demographic information for each member

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the letter² that describes the custom risk weight model developed for periods after July 2024 for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis.

Exhibits 4A to 4F display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

CCO Capitation Rate = Base Capitation Rate x CCO Budget Neutral Risk Score

² Wentworth15 - July 2024 MSCAN Risk Weight Development.pdf” dated October 31, 2024.



The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates after the application of the quality withhold and prior to the following directed payments, all of which are not risk adjusted.

- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

Next Steps – Foster Care Population

The above tables and attached exhibits contain preliminary risk scores for the Foster Care rate cell. These risk scores have been developed using the same enrollment period as the other rate cells. To calculate final risk scores for the Foster Care rate cell, we require actual enrollment from the risk adjusted period, and thus these risk scores must be calculated after the risk adjusted period has elapsed.

Table 7 summarizes the rating periods for SFY 2025 and when we anticipate providing each risk score update for the Foster Care rate cell.

Table 7 Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Adjustment Foster Care Risk Adjustment Periods		
Rating Period	Preliminary Risk Score Release Date	Final Risk Score Release Date
Q3Q4 2024	November 2024	February 2025
Q1Q2 2025	December 2024	August 2025

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q1 to Q2 2025 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from July 2023 to June 2024 with runout through August 30, 2024, along with eligibility data from October 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q1 to Q2 2025 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.



Jennifer Wentworth
Mississippi Division of Medicaid
December 13, 2024
Page 7 of 7

We are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.



Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jill Bruckert'.

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachments (Provided in Excel)

A handwritten signature in black ink, appearing to read 'Katarina Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

Caveats and Limitations
Mississippi Division of Medicaid
Q1 to Q2 2025 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q1 to Q2 2025 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from July 2023 through June 2024 with runout through August 2024 and eligibility data from October 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q1 to Q2 2025 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Exhibit 1A

Mississippi Division of Medicaid

Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q1 to Q2 2025 Prospective Risk Scores

SFY 2024 Diagnosis Period - October 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	9,408	0.941	1.001	105	1.044	1.008	1.001
Molina	2,726	0.923	0.982	87	0.985	0.951	0.981
United	7,912	0.945	1.005	139	1.060	1.024	1.005
Total	20,046	0.940	1.000	331	1.035	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	9,950	1.028	1.013	101	1.086	1.011	1.013
Molina	2,905	0.994	0.979	71	1.042	0.970	0.979
United	7,968	1.006	0.991	101	1.084	1.010	0.991
Total	20,823	1.015	1.000	273	1.074	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,945	1.071	1.023	133	1.070	1.013	1.022
Molina	2,464	1.041	0.994	86	1.006	0.952	0.993
United	7,238	1.027	0.980	113	1.078	1.021	0.981
Total	16,647	1.048	1.000	332	1.056	1.000	1.000

Exhibit 1B

Mississippi Division of Medicaid

MA Adult Risk Score Adjustment Summary - Q1 to Q2 2025 Prospective Risk Scores

SFY 2024 Diagnosis Period - October 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	5,653	0.972	1.005	396	0.978	1.008	1.005
Molina	3,697	0.959	0.991	304	0.960	0.989	0.991
United	5,244	0.968	1.001	339	0.970	1.000	1.001
Total	14,594	0.967	1.000	1,039	0.970	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	6,258	1.001	1.020	420	0.951	0.992	1.018
Molina	4,537	0.940	0.957	339	0.968	1.010	0.961
United	5,790	0.993	1.012	369	0.959	1.000	1.011
Total	16,585	0.981	1.000	1,128	0.959	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	5,739	1.046	1.021	375	0.963	1.007	1.020
Molina	4,642	0.984	0.961	375	0.953	0.997	0.964
United	6,539	1.034	1.009	360	0.952	0.996	1.009
Total	16,920	1.024	1.000	1,110	0.956	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q1 to Q2 2025 Prospective Risk Scores
SFY 2024 Diagnosis Period - October 2024 Enrollment Period

North Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	29,612	1.011	1.008	1,119	0.991	0.999	1.008
Molina	16,756	0.968	0.965	880	0.994	1.002	0.967
United	27,508	1.016	1.012	1,085	0.991	1.000	1.012
Total	73,876	1.003	1.000	3,084	0.992	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	34,355	1.008	1.013	1,054	0.990	0.999	1.012
Molina	20,266	0.954	0.959	786	0.991	1.001	0.961
United	31,374	1.008	1.013	892	0.990	1.000	1.012
Total	85,995	0.995	1.000	2,732	0.990	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral		Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	28,355	1.036	1.006	973	0.995	1.001	1.006
Molina	18,343	0.982	0.954	900	0.991	0.998	0.956
United	30,126	1.053	1.022	950	0.994	1.000	1.022
Total	76,824	1.030	1.000	2,823	0.993	1.000	1.000

Exhibit 1D

Mississippi Division of Medicaid

Quasi-CHIP Risk Score Adjustment Summary - Q1 to Q2 2025 Prospective Risk Scores

SFY 2024 Diagnosis Period - October 2024 Enrollment Period

North Region							
CCO	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,740	1.034	1.004	102	0.982	0.991	1.004
Molina	1,938	0.989	0.961	92	1.010	1.018	0.963
United	3,710	1.046	1.016	124	0.986	0.994	1.016
Total	9,388	1.030	1.000	318	0.991	1.000	1.000

Central Region							
CCO	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	4,337	1.033	1.018	72	1.004	0.988	1.018
Molina	2,117	0.979	0.965	60	1.021	1.004	0.966
United	4,097	1.013	0.999	95	1.023	1.007	0.999
Total	10,551	1.014	1.000	227	1.016	1.000	1.000

South Region							
CCO	Scored Members			Unscored Members			All Members
	Unadjusted Risk		Budget Neutral	Unadjusted Risk		Budget Neutral	Budget Neutral
	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,217	1.088	1.010	88	1.045	1.022	1.010
Molina	1,965	1.013	0.940	60	1.020	0.997	0.942
United	3,573	1.104	1.024	120	1.008	0.985	1.023
Total	8,755	1.078	1.000	268	1.023	1.000	1.000

Exhibit 1E

Mississippi Division of Medicaid

Foster Care Risk Score Adjustment Summary - Q1 to Q2 2025 Risk Scores

October 2024 Snapshot Period

North Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,522	0.946	0.996
Molina	244	0.994	1.047
United	490	0.938	0.988
Total	2,256	0.950	1.000

Central Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,552	0.992	0.982
Molina	299	1.112	1.101
United	434	1.004	0.994
Total	2,285	1.010	1.000

South Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	2,154	0.895	0.976
Molina	450	1.025	1.118
United	677	0.915	0.997
Total	3,281	0.917	1.000

Exhibit 2A Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	0.938	0.938	0.960	0.941	0.1%	2.3%	-2.0%	0.3%
Molina	0.934	0.935	0.947	0.923	0.1%	1.4%	-2.6%	-1.2%
United	0.944	0.945	0.961	0.945	0.1%	1.6%	-1.7%	0.0%
Unscored Members								
Magnolia	1.041	N/A	N/A	1.044	N/A	N/A	N/A	0.2%
Molina	1.027	N/A	N/A	0.985	N/A	N/A	N/A	-4.1%
United	1.062	N/A	N/A	1.060	N/A	N/A	N/A	-0.1%
All Members								
Magnolia	0.940	0.941	0.961	0.943	0.1%	2.1%	-1.9%	0.3%
Molina	0.936	0.936	0.948	0.924	0.1%	1.2%	-2.5%	-1.3%
United	0.946	0.948	0.961	0.946	0.1%	1.4%	-1.5%	0.0%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.022	1.019	1.054	1.028	-0.3%	3.4%	-2.4%	0.6%
Molina	1.012	1.016	1.022	0.994	0.4%	0.6%	-2.7%	-1.8%
United	1.005	1.006	1.022	1.006	0.1%	1.5%	-1.6%	0.1%
Unscored Members								
Magnolia	1.108	N/A	N/A	1.086	N/A	N/A	N/A	-2.0%
Molina	1.082	N/A	N/A	1.042	N/A	N/A	N/A	-3.7%
United	1.022	N/A	N/A	1.084	N/A	N/A	N/A	6.1%
All Members								
Magnolia	1.024	1.020	1.054	1.029	-0.3%	3.3%	-2.3%	0.6%
Molina	1.013	1.017	1.022	0.994	0.3%	0.5%	-2.7%	-1.9%
United	1.005	1.007	1.022	1.007	0.1%	1.5%	-1.5%	0.2%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.067	1.068	1.092	1.071	0.1%	2.2%	-1.9%	0.3%
Molina	1.049	1.044	1.073	1.041	-0.5%	2.8%	-3.0%	-0.7%
United	1.032	1.029	1.048	1.027	-0.3%	1.9%	-2.0%	-0.4%
Unscored Members								
Magnolia	1.047	N/A	N/A	1.070	N/A	N/A	N/A	2.2%
Molina	1.069	N/A	N/A	1.006	N/A	N/A	N/A	-5.9%
United	1.085	N/A	N/A	1.078	N/A	N/A	N/A	-0.7%
All Members								
Magnolia	1.067	1.068	1.091	1.071	0.1%	2.2%	-1.8%	0.4%
Molina	1.049	1.044	1.073	1.040	-0.5%	2.7%	-3.0%	-0.9%
United	1.033	1.030	1.049	1.028	-0.3%	1.8%	-2.0%	-0.5%

Exhibit 2B Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	0.998	0.998	1.002	1.001	0.0%	0.4%	0.0%	0.3%
Molina	0.994	0.994	0.988	0.982	0.0%	-0.5%	-0.6%	-1.2%
United	1.004	1.005	1.002	1.005	0.1%	-0.3%	0.3%	0.0%
Unscored Members								
Magnolia	0.996	N/A	N/A	1.008	N/A	N/A	N/A	1.2%
Molina	0.982	N/A	N/A	0.951	N/A	N/A	N/A	-3.1%
United	1.015	N/A	N/A	1.024	N/A	N/A	N/A	0.9%
All Members								
Magnolia	0.998	0.998	1.002	1.001	0.0%	0.4%	-0.1%	0.3%
Molina	0.993	0.993	0.988	0.981	0.0%	-0.5%	-0.7%	-1.2%
United	1.005	1.005	1.002	1.005	0.0%	-0.3%	0.3%	0.0%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.008	1.005	1.016	1.013	-0.3%	1.1%	-0.3%	0.5%
Molina	0.998	1.002	0.985	0.979	0.4%	-1.7%	-0.6%	-1.9%
United	0.991	0.993	0.985	0.991	0.2%	-0.8%	0.6%	0.0%
Unscored Members								
Magnolia	1.034	N/A	N/A	1.011	N/A	N/A	N/A	-2.2%
Molina	1.010	N/A	N/A	0.970	N/A	N/A	N/A	-3.9%
United	0.954	N/A	N/A	1.010	N/A	N/A	N/A	5.9%
All Members								
Magnolia	1.008	1.005	1.016	1.013	-0.3%	1.1%	-0.3%	0.5%
Molina	0.998	1.002	0.985	0.979	0.4%	-1.7%	-0.7%	-1.9%
United	0.990	0.993	0.985	0.991	0.2%	-0.7%	0.6%	0.1%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.017	1.020	1.020	1.023	0.3%	0.0%	0.2%	0.5%
Molina	1.000	0.997	1.003	0.994	-0.3%	0.6%	-0.9%	-0.6%
United	0.983	0.982	0.980	0.980	-0.1%	-0.2%	0.1%	-0.3%
Unscored Members								
Magnolia	0.981	N/A	N/A	1.013	N/A	N/A	N/A	3.3%
Molina	1.001	N/A	N/A	0.952	N/A	N/A	N/A	-4.9%
United	1.016	N/A	N/A	1.021	N/A	N/A	N/A	0.4%
All Members								
Magnolia	1.017	1.019	1.020	1.022	0.3%	0.1%	0.2%	0.6%
Molina	1.000	0.997	1.003	0.993	-0.3%	0.6%	-1.0%	-0.7%
United	0.984	0.983	0.980	0.981	-0.1%	-0.3%	0.1%	-0.3%

Exhibit 2C Mississippi Division of Medicaid Impact Analysis MA Adult Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	0.976	0.974	0.972	0.972	-0.2%	-0.2%	0.0%	-0.5%
Molina	0.939	0.938	0.942	0.959	-0.1%	0.4%	1.8%	2.2%
United	0.973	0.970	0.966	0.968	-0.4%	-0.4%	0.3%	-0.5%
Unscored Members								
Magnolia	0.939	N/A	N/A	0.978	N/A	N/A	N/A	4.2%
Molina	0.930	N/A	N/A	0.960	N/A	N/A	N/A	3.2%
United	0.954	N/A	N/A	0.970	N/A	N/A	N/A	1.7%
All Members								
Magnolia	0.974	0.972	0.972	0.972	-0.2%	-0.1%	0.0%	-0.2%
Molina	0.938	0.938	0.942	0.959	-0.1%	0.5%	1.8%	2.2%
United	0.972	0.969	0.966	0.969	-0.4%	-0.3%	0.3%	-0.4%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	0.994	0.993	0.995	1.001	-0.1%	0.2%	0.7%	0.7%
Molina	0.943	0.944	0.935	0.940	0.0%	-0.9%	0.5%	-0.4%
United	0.977	0.975	0.990	0.993	-0.3%	1.6%	0.3%	1.6%
Unscored Members								
Magnolia	0.956	N/A	N/A	0.951	N/A	N/A	N/A	-0.5%
Molina	0.952	N/A	N/A	0.968	N/A	N/A	N/A	1.7%
United	0.960	N/A	N/A	0.959	N/A	N/A	N/A	-0.1%
All Members								
Magnolia	0.992	0.990	0.994	0.998	-0.1%	0.3%	0.4%	0.6%
Molina	0.944	0.944	0.935	0.942	0.0%	-0.9%	0.7%	-0.2%
United	0.976	0.974	0.989	0.991	-0.2%	1.6%	0.1%	1.5%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.030	1.029	1.040	1.046	-0.1%	1.0%	0.6%	1.5%
Molina	0.968	0.967	0.974	0.984	-0.1%	0.7%	1.1%	1.7%
United	1.019	1.019	1.017	1.034	0.0%	-0.2%	1.7%	1.4%
Unscored Members								
Magnolia	0.947	N/A	N/A	0.963	N/A	N/A	N/A	1.7%
Molina	0.948	N/A	N/A	0.953	N/A	N/A	N/A	0.6%
United	0.953	N/A	N/A	0.952	N/A	N/A	N/A	-0.1%
All Members								
Magnolia	1.025	1.025	1.039	1.040	-0.1%	1.4%	0.2%	1.5%
Molina	0.967	0.967	0.974	0.983	-0.1%	0.8%	1.0%	1.6%
United	1.016	1.015	1.016	1.029	0.0%	0.1%	1.3%	1.3%

Exhibit 2D Mississippi Division of Medicaid Impact Analysis MA Adult Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.011	1.011	1.010	1.005	0.0%	-0.1%	-0.5%	-0.6%
Molina	0.972	0.974	0.979	0.991	0.2%	0.6%	1.3%	2.0%
United	1.008	1.007	1.004	1.001	-0.1%	-0.2%	-0.3%	-0.7%
Unscored Members								
Magnolia	0.997	N/A	N/A	1.008	N/A	N/A	N/A	1.1%
Molina	0.988	N/A	N/A	0.989	N/A	N/A	N/A	0.1%
United	1.013	N/A	N/A	1.000	N/A	N/A	N/A	-1.3%
All Members								
Magnolia	1.010	1.011	1.010	1.005	0.0%	-0.1%	-0.5%	-0.5%
Molina	0.973	0.975	0.979	0.991	0.1%	0.5%	1.2%	1.9%
United	1.008	1.007	1.004	1.001	-0.1%	-0.3%	-0.3%	-0.7%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.020	1.020	1.018	1.020	0.0%	-0.2%	0.2%	0.0%
Molina	0.968	0.970	0.957	0.957	0.2%	-1.3%	0.0%	-1.1%
United	1.003	1.002	1.014	1.012	-0.1%	1.2%	-0.2%	0.9%
Unscored Members								
Magnolia	1.000	N/A	N/A	0.992	N/A	N/A	N/A	-0.8%
Molina	0.995	N/A	N/A	1.010	N/A	N/A	N/A	1.4%
United	1.004	N/A	N/A	1.000	N/A	N/A	N/A	-0.4%
All Members								
Magnolia	1.019	1.019	1.018	1.018	0.0%	-0.1%	0.0%	-0.1%
Molina	0.970	0.971	0.958	0.961	0.2%	-1.4%	0.3%	-0.9%
United	1.003	1.002	1.013	1.011	-0.1%	1.2%	-0.2%	0.8%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.021	1.021	1.026	1.021	0.0%	0.5%	-0.5%	0.0%
Molina	0.959	0.959	0.962	0.961	0.0%	0.3%	-0.1%	0.2%
United	1.010	1.010	1.004	1.009	0.0%	-0.6%	0.5%	-0.1%
Unscored Members								
Magnolia	0.998	N/A	N/A	1.007	N/A	N/A	N/A	1.0%
Molina	0.998	N/A	N/A	0.997	N/A	N/A	N/A	-0.1%
United	1.004	N/A	N/A	0.996	N/A	N/A	N/A	-0.8%
All Members								
Magnolia	1.020	1.019	1.026	1.020	0.0%	0.7%	-0.6%	0.0%
Molina	0.962	0.962	0.962	0.964	0.0%	0.1%	0.2%	0.2%
United	1.010	1.010	1.004	1.009	0.0%	-0.6%	0.5%	-0.1%

Exhibit 2E Mississippi Division of Medicaid Impact Analysis MA Children Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.007	1.006	1.010	1.011	-0.1%	0.4%	0.1%	0.4%
Molina	0.970	0.970	0.966	0.968	0.0%	-0.3%	0.2%	-0.1%
United	1.020	1.017	1.016	1.016	-0.3%	-0.1%	0.0%	-0.4%
Unscored Members								
Magnolia	0.997	N/A	N/A	0.991	N/A	N/A	N/A	-0.7%
Molina	0.993	N/A	N/A	0.994	N/A	N/A	N/A	0.1%
United	1.011	N/A	N/A	0.991	N/A	N/A	N/A	-2.0%
All Members								
Magnolia	1.007	1.006	1.010	1.011	-0.1%	0.4%	0.1%	0.4%
Molina	0.971	0.971	0.967	0.970	0.0%	-0.4%	0.3%	-0.1%
United	1.020	1.017	1.016	1.015	-0.3%	-0.1%	-0.1%	-0.5%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.004	1.002	1.002	1.008	-0.3%	0.1%	0.5%	0.3%
Molina	0.952	0.952	0.944	0.954	0.0%	-0.8%	1.1%	0.2%
United	1.005	1.005	1.005	1.008	0.0%	0.0%	0.3%	0.3%
Unscored Members								
Magnolia	0.994	N/A	N/A	0.990	N/A	N/A	N/A	-0.4%
Molina	0.994	N/A	N/A	0.991	N/A	N/A	N/A	-0.3%
United	0.999	N/A	N/A	0.990	N/A	N/A	N/A	-0.9%
All Members								
Magnolia	1.004	1.002	1.002	1.007	-0.2%	0.1%	0.5%	0.3%
Molina	0.953	0.953	0.944	0.956	0.0%	-0.9%	1.2%	0.2%
United	1.005	1.004	1.005	1.007	0.0%	0.0%	0.2%	0.2%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.026	1.025	1.029	1.036	-0.1%	0.4%	0.7%	1.0%
Molina	0.982	0.979	0.976	0.982	-0.3%	-0.3%	0.7%	0.0%
United	1.046	1.044	1.049	1.053	-0.1%	0.5%	0.3%	0.7%
Unscored Members								
Magnolia	0.995	N/A	N/A	0.995	N/A	N/A	N/A	-0.1%
Molina	0.992	N/A	N/A	0.991	N/A	N/A	N/A	-0.1%
United	1.005	N/A	N/A	0.994	N/A	N/A	N/A	-1.1%
All Members								
Magnolia	1.025	1.024	1.028	1.035	-0.1%	0.4%	0.6%	1.0%
Molina	0.983	0.980	0.976	0.983	-0.3%	-0.4%	0.7%	0.1%
United	1.044	1.043	1.049	1.051	-0.1%	0.5%	0.2%	0.6%

Exhibit 2F Mississippi Division of Medicaid Impact Analysis MA Children Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.004	1.004	1.008	1.008	0.0%	0.4%	0.0%	0.4%
Molina	0.966	0.968	0.964	0.965	0.1%	-0.4%	0.1%	-0.1%
United	1.016	1.015	1.014	1.012	-0.1%	-0.2%	-0.1%	-0.4%
Unscored Members								
Magnolia	0.996	N/A	N/A	0.999	N/A	N/A	N/A	0.2%
Molina	0.992	N/A	N/A	1.002	N/A	N/A	N/A	1.0%
United	1.010	N/A	N/A	1.000	N/A	N/A	N/A	-1.1%
All Members								
Magnolia	1.003	1.004	1.008	1.008	0.0%	0.4%	0.0%	0.4%
Molina	0.967	0.969	0.964	0.967	0.1%	-0.4%	0.3%	0.0%
United	1.016	1.015	1.013	1.012	-0.1%	-0.2%	-0.2%	-0.4%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.012	1.011	1.013	1.013	-0.1%	0.2%	0.0%	0.1%
Molina	0.959	0.960	0.954	0.959	0.1%	-0.7%	0.6%	0.0%
United	1.013	1.014	1.015	1.013	0.1%	0.2%	-0.3%	0.0%
Unscored Members								
Magnolia	0.998	N/A	N/A	0.999	N/A	N/A	N/A	0.2%
Molina	0.999	N/A	N/A	1.001	N/A	N/A	N/A	0.2%
United	1.003	N/A	N/A	1.000	N/A	N/A	N/A	-0.3%
All Members								
Magnolia	1.012	1.010	1.013	1.012	-0.1%	0.2%	-0.1%	0.1%
Molina	0.961	0.961	0.954	0.961	0.1%	-0.8%	0.7%	0.0%
United	1.012	1.013	1.015	1.012	0.1%	0.2%	-0.3%	0.0%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.002	1.003	1.004	1.006	0.1%	0.1%	0.2%	0.4%
Molina	0.960	0.958	0.953	0.954	-0.2%	-0.5%	0.1%	-0.6%
United	1.022	1.022	1.024	1.022	0.0%	0.2%	-0.2%	0.1%
Unscored Members								
Magnolia	0.998	N/A	N/A	1.001	N/A	N/A	N/A	0.3%
Molina	0.995	N/A	N/A	0.998	N/A	N/A	N/A	0.3%
United	1.007	N/A	N/A	1.000	N/A	N/A	N/A	-0.7%
All Members								
Magnolia	1.002	1.003	1.004	1.006	0.1%	0.1%	0.2%	0.4%
Molina	0.961	0.959	0.953	0.956	-0.2%	-0.6%	0.3%	-0.5%
United	1.021	1.022	1.024	1.022	0.0%	0.2%	-0.2%	0.0%

Exhibit 2G Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.022	1.023	1.028	1.034	0.1%	0.5%	0.6%	1.2%
Molina	0.991	0.989	0.994	0.989	-0.3%	0.5%	-0.5%	-0.2%
United	1.033	1.035	1.035	1.046	0.2%	0.1%	1.1%	1.3%
Unscored Members								
Magnolia	1.005	N/A	N/A	0.982	N/A	N/A	N/A	-2.3%
Molina	0.995	N/A	N/A	1.010	N/A	N/A	N/A	1.5%
United	1.002	N/A	N/A	0.986	N/A	N/A	N/A	-1.6%
All Members								
Magnolia	1.021	1.022	1.027	1.032	0.1%	0.5%	0.5%	1.1%
Molina	0.992	0.989	0.995	0.991	-0.2%	0.5%	-0.4%	-0.1%
United	1.032	1.034	1.035	1.044	0.2%	0.1%	0.9%	1.2%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.021	1.022	1.032	1.033	0.1%	1.0%	0.1%	1.1%
Molina	0.959	0.954	0.961	0.979	-0.5%	0.7%	1.9%	2.1%
United	1.012	1.013	1.020	1.013	0.0%	0.7%	-0.7%	0.1%
Unscored Members								
Magnolia	1.015	N/A	N/A	1.004	N/A	N/A	N/A	-1.1%
Molina	0.987	N/A	N/A	1.021	N/A	N/A	N/A	3.4%
United	0.977	N/A	N/A	1.023	N/A	N/A	N/A	4.7%
All Members								
Magnolia	1.021	1.022	1.032	1.032	0.1%	1.0%	0.0%	1.1%
Molina	0.960	0.955	0.960	0.980	-0.5%	0.6%	2.0%	2.1%
United	1.011	1.012	1.020	1.014	0.0%	0.8%	-0.6%	0.2%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.059	1.057	1.088	1.088	-0.2%	2.9%	0.0%	2.7%
Molina	1.027	1.029	1.036	1.013	0.3%	0.6%	-2.2%	-1.3%
United	1.092	1.091	1.088	1.104	-0.1%	-0.3%	1.5%	1.1%
Unscored Members								
Magnolia	1.019	N/A	N/A	1.045	N/A	N/A	N/A	2.5%
Molina	1.005	N/A	N/A	1.020	N/A	N/A	N/A	1.5%
United	1.003	N/A	N/A	1.008	N/A	N/A	N/A	0.5%
All Members								
Magnolia	1.058	1.056	1.088	1.087	-0.2%	3.0%	-0.1%	2.7%
Molina	1.026	1.029	1.036	1.013	0.3%	0.7%	-2.2%	-1.3%
United	1.090	1.089	1.087	1.101	-0.1%	-0.1%	1.2%	1.0%

Exhibit 2H Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q3 to Q4 2024 to Q1 to Q2 2025 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.002	1.002	1.004	1.004	0.0%	0.2%	0.1%	0.3%
Molina	0.972	0.969	0.971	0.961	-0.3%	0.2%	-1.0%	-1.1%
United	1.012	1.014	1.011	1.016	0.1%	-0.3%	0.5%	0.4%
Unscored Members								
Magnolia	1.004	N/A	N/A	0.991	N/A	N/A	N/A	-1.4%
Molina	0.994	N/A	N/A	1.018	N/A	N/A	N/A	2.5%
United	1.001	N/A	N/A	0.994	N/A	N/A	N/A	-0.7%
All Members								
Magnolia	1.002	1.002	1.004	1.004	0.0%	0.1%	0.0%	0.2%
Molina	0.973	0.970	0.972	0.963	-0.3%	0.2%	-0.9%	-1.0%
United	1.012	1.013	1.011	1.016	0.1%	-0.2%	0.5%	0.3%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	1.016	1.017	1.019	1.018	0.1%	0.1%	-0.1%	0.2%
Molina	0.954	0.950	0.948	0.965	-0.4%	-0.1%	1.8%	1.2%
United	1.007	1.008	1.007	0.999	0.1%	-0.1%	-0.8%	-0.8%
Unscored Members								
Magnolia	1.020	N/A	N/A	0.988	N/A	N/A	N/A	-3.2%
Molina	0.992	N/A	N/A	1.004	N/A	N/A	N/A	1.2%
United	0.982	N/A	N/A	1.007	N/A	N/A	N/A	2.5%
All Members								
Magnolia	1.016	1.017	1.019	1.018	0.1%	0.1%	-0.1%	0.1%
Molina	0.955	0.951	0.948	0.966	-0.4%	-0.3%	1.9%	1.2%
United	1.007	1.007	1.007	0.999	0.1%	0.0%	-0.8%	-0.7%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Jun 2024	Jun 2024	Jun 2024	Oct 2024	% Change Due to Data Refresh	% Change Due to Diagnosis Period Change	% Change Due to Oct 2024 Enrollment Change	Total % Change
Diagnosis Period	CY 2023 (Runout through April 2024)	CY 2023 (Runout through August 2024)	SFY 2024 (Runout through August 2024)	SFY 2024 (Runout through August 2024)				
Scored Members								
Magnolia	0.994	0.993	1.011	1.010	-0.1%	1.9%	-0.1%	1.6%
Molina	0.963	0.966	0.962	0.940	0.3%	-0.4%	-2.3%	-2.4%
United	1.025	1.024	1.011	1.024	0.0%	-1.3%	1.4%	0.0%
Unscored Members								
Magnolia	1.011	N/A	N/A	1.022	N/A	N/A	N/A	1.1%
Molina	0.996	N/A	N/A	0.997	N/A	N/A	N/A	0.1%
United	0.994	N/A	N/A	0.985	N/A	N/A	N/A	-0.9%
All Members								
Magnolia	0.994	0.993	1.011	1.010	-0.1%	1.8%	-0.1%	1.6%
Molina	0.965	0.967	0.963	0.942	0.3%	-0.5%	-2.2%	-2.4%
United	1.024	1.023	1.010	1.023	0.0%	-1.3%	1.2%	-0.1%

Exhibit 3A Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - North Region - 01 to 02 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.113	N/A	9,408	100.00%	N/A	2,726	100.00%	N/A	7,912	100.00%	N/A	20,046	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	281	2.99%	N/A	203	7.45%	N/A	266	3.36%	N/A	750	3.74%
Age 5 to 14 Male	0.194	N/A	1,120	11.90%	N/A	379	13.90%	N/A	905	11.44%	N/A	2,404	11.99%
Age 5 to 14 Female	0.265	N/A	485	5.16%	N/A	153	5.61%	N/A	462	5.84%	N/A	1,100	5.49%
Age 15 to 24 Male	0.000	N/A	887	9.43%	N/A	274	10.05%	N/A	773	9.77%	N/A	1,934	9.65%
Age 15 to 24 Female	0.187	N/A	459	4.88%	N/A	159	5.83%	N/A	422	5.33%	N/A	1,040	5.19%
Age 25 to 44 Male	0.003	N/A	1,135	12.06%	N/A	291	10.67%	N/A	1,014	12.82%	N/A	2,440	12.17%
Age 25 to 44 Female	0.133	N/A	1,025	10.89%	N/A	240	8.80%	N/A	837	10.58%	N/A	2,102	10.49%
Age 45 and Older Male	0.107	N/A	1,691	17.97%	N/A	541	19.85%	N/A	1,430	18.07%	N/A	3,662	18.27%
Age 45 and Older Female	0.027	N/A	2,325	24.71%	N/A	486	17.83%	N/A	1,803	22.79%	N/A	4,614	23.02%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	39	0.41%	N/A	38	1.39%	N/A	42	0.53%	N/A	119	0.59%
Diagnosis Period Duration, 8 Months	0.320	N/A	21	0.22%	N/A	15	0.55%	N/A	17	0.21%	N/A	53	0.26%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	96	1.02%	N/A	64	2.35%	N/A	107	1.35%	N/A	267	1.33%
Diagnosis Period Duration, 12 Months	0.000	N/A	9,252	98.34%	N/A	2,609	95.71%	N/A	7,746	97.90%	N/A	19,607	97.81%
Homelessness Category													
Homelessness	0.931	N/A	74	0.79%	N/A	24	0.88%	N/A	52	0.66%	N/A	150	0.75%
Disease Categories													
Cancer, very high	3.067	15	48	0.51%	7	22	0.81%	12	44	0.56%	11	114	0.57%
Cancer, high	0.816	26	103	1.09%	20	36	1.32%	28	81	1.02%	27	220	1.10%
Cancer, medium	0.611	24	145	1.54%	31	28	1.03%	19	150	1.90%	25	323	1.61%
Cancer, low	0.318	38	105	1.12%	39	26	0.95%	37	85	1.07%	37	216	1.08%
Cardiovascular, very high	1.460	29	50	0.53%	29	12	0.44%	25	54	0.68%	29	116	0.58%
Cardiovascular, medium	0.584	3	1,042	11.08%	2	286	10.49%	2	865	10.93%	3	2,193	10.94%
Cardiovascular, extra low to low	0.081	7	3,124	33.21%	8	730	26.78%	8	2,506	31.67%	7	6,360	31.73%
Cerebrovascular, medium	0.115	43	112	1.19%	42	38	1.39%	44	93	1.18%	44	243	1.21%
CNS, high	0.781	32	72	0.77%	30	22	0.81%	35	46	0.58%	32	140	0.70%
CNS, medium	0.479	27	171	1.82%	19	69	2.53%	20	189	2.39%	22	429	2.14%
CNS, low	0.243	5	1,537	16.34%	5	411	15.08%	5	1,300	16.43%	5	3,248	16.20%
DD, low to medium	0.174	30	352	3.74%	32	91	3.34%	30	370	4.68%	30	813	4.06%
Diabetes, type 1	0.862	18	146	1.55%	21	34	1.25%	21	104	1.31%	19	284	1.42%
Diabetes, type 2	0.199	6	1,626	17.28%	6	356	13.06%	6	1,284	16.23%	6	3,266	16.29%
Gastro, high	0.320	35	142	1.51%	35	36	1.32%	34	113	1.43%	35	291	1.45%
Gastro, medium	0.268	25	326	3.47%	25	98	3.60%	26	271	3.43%	26	695	3.47%
Gastro, low	0.135	8	1,816	19.30%	9	404	14.82%	9	1,432	18.10%	8	3,652	18.22%
Hematological, extra high	4.752	44	2	0.02%	45	0	0.00%	38	4	0.05%	43	6	0.03%
Hematological, medium to very high	0.931	12	162	1.72%	15	41	1.50%	11	161	2.03%	12	364	1.82%
Hematological, low	0.370	34	130	1.38%	33	39	1.43%	33	99	1.25%	33	268	1.34%
Infectious, high to very high	0.300	28	270	2.87%	27	78	2.86%	29	216	2.73%	28	564	2.81%
Infectious, low to medium	0.188	31	323	3.43%	28	105	3.85%	31	274	3.46%	31	702	3.50%
Metabolic, high	0.468	22	216	2.30%	26	55	2.02%	22	181	2.25%	21	452	2.25%
Metabolic, medium	0.239	11	679	7.22%	14	172	6.31%	13	563	7.12%	13	1,414	7.05%
Pregnancy, complete	0.173	41	93	0.99%	43	25	0.92%	43	68	0.86%	42	186	0.93%
Pregnancy, incomplete	0.841	40	23	0.24%	38	11	0.40%	40	19	0.24%	40	53	0.26%
Psychiatric, high	0.643	4	617	6.56%	4	171	6.27%	4	530	6.70%	4	1,318	6.57%
Psychiatric, low to medium	0.225	1	3,533	37.55%	1	1,035	37.97%	1	3,118	39.41%	1	7,686	38.34%
Pulmonary, very high	0.816	13	184	1.96%	16	46	1.69%	17	131	1.66%	17	361	1.80%
Pulmonary, high	0.481	45	18	0.19%	44	5	0.18%	45	22	0.28%	45	45	0.22%
Pulmonary, medium	0.472	16	290	3.08%	11	103	3.78%	16	251	3.17%	16	644	3.21%
Pulmonary, low	0.131	9	1,601	17.02%	12	347	12.73%	10	1,166	14.74%	10	3,114	15.53%
Rare Diseases	2.664	39	9	0.10%	40	2	0.07%	39	7	0.09%	39	18	0.09%
Renal, extra high	4.191	10	47	0.50%	18	8	0.29%	7	49	0.62%	9	104	0.52%
Renal, medium	0.362	14	412	4.38%	13	116	4.26%	15	348	4.40%	14	876	4.37%
Renal, low	0.277	21	368	3.91%	22	104	3.82%	27	260	3.29%	23	732	3.65%
Skeletal, medium	0.254	2	2,551	27.12%	3	579	21.24%	3	1,988	25.13%	2	5,118	25.53%
Skeletal, very low to low	0.070	33	691	7.34%	36	157	5.76%	32	548	6.93%	34	1,396	6.96%
Skin, low to high	0.624	23	146	1.55%	24	43	1.58%	24	128	1.62%	24	317	1.58%
Skin, very low	0.169	20	617	6.56%	23	161	5.91%	23	494	6.24%	20	1,272	6.35%
Substance abuse, low	0.324	17	409	4.35%	10	161	5.91%	14	400	5.06%	15	970	4.84%
Substance abuse, very low	0.202	37	181	1.92%	34	68	2.49%	36	147	1.86%	36	396	1.98%
Disabled Children Add-On - CNS, high	1.388	36	28	0.30%	37	7	0.26%	41	10	0.13%	38	45	0.22%
Disabled Children Add-On - Gastro, high	1.508	19	80	0.85%	17	23	0.84%	18	67	0.85%	18	170	0.85%
Disabled Children Add-On - Pulmonary, very high	0.419	42	36	0.38%	41	12	0.44%	42	31	0.39%	41	79	0.39%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,924	20.45%	N/A	678	24.87%	N/A	1,634	20.65%	N/A	4,236	21.13%
Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	5	4.76%	N/A	3	3.45%	N/A	18	12.95%	N/A	26	7.85%
Age 5 to 14 Male	0.701	N/A	6	5.71%	N/A	11	12.64%	N/A	15	10.79%	N/A	32	9.67%
Age 5 to 14 Female	0.872	N/A	3	2.86%	N/A	6	6.90%	N/A	8	5.76%	N/A	17	5.14%
Age 15 to 24 Male	0.522	N/A	8	7.62%	N/A	7	8.05%	N/A	7	5.04%	N/A	22	6.65%
Age 15 to 24 Female	0.831	N/A	7	6.67%	N/A	6	6.90%	N/A	5	3.60%	N/A	18	5.44%
Age 25 to 44 Male	0.797	N/A	14	13.33%	N/A	12	13.79%	N/A	13	9.35%	N/A	39	11.78%
Age 25 to 44 Female	1.120	N/A	9	8.57%	N/A	7	8.05%	N/A	15	10.79%	N/A	31	9.37%
Age 45 and Older Male	1.188	N/A	24	22.86%	N/A	18	20.69%	N/A	34	24.46%	N/A	76	22.96%
Age 45 and Older Female	1.249	N/A	29	27.62%	N/A	17	19.54%	N/A	24	17.27%	N/A	70	21.15%
Risk Adjustment Results													
Scored Members													
Member Months		9,408			2,726			7,912			20,046		
Unadjusted Plan Factor		0.941			0.923			0.945			0.940		
Budget Neutral Plan Factor		1.001			0.982			1.005			1.000		
Unscored Members													
Member Months		105			87			139			331		
Unadjusted Plan Factor		1.044			0.985			1.060			1.035		
Budget Neutral Plan Factor		1.008			0.951			1.024			1.000		
Total Members													
Member Months		9,513			2,813			8,051			20,377		
Unadjusted Plan Factor		0.943			0.924			0.946			0.942		
Budget Neutral Plan Factor		1.001			0.981			1.005			1.000		

Exhibit 3B Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - Central Region - Q1 to Q2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.113	N/A	9,950	100.00%	N/A	2,905	100.00%	N/A	7,968	100.00%	N/A	20,823	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	346	3.48%	N/A	303	10.43%	N/A	308	3.87%	N/A	957	4.60%
Age 5 to 14 Male	0.184	N/A	1,129	11.35%	N/A	397	13.67%	N/A	938	11.77%	N/A	2,464	11.83%
Age 5 to 14 Female	0.265	N/A	514	5.17%	N/A	170	5.85%	N/A	438	5.50%	N/A	1,122	5.39%
Age 15 to 24 Male	0.000	N/A	1,020	10.25%	N/A	281	9.67%	N/A	776	9.74%	N/A	2,077	9.97%
Age 15 to 24 Female	0.187	N/A	541	5.44%	N/A	155	5.34%	N/A	404	5.07%	N/A	1,100	5.28%
Age 25 to 44 Male	0.003	N/A	1,221	12.27%	N/A	296	10.19%	N/A	1,013	12.71%	N/A	2,530	12.15%
Age 25 to 44 Female	0.133	N/A	1,060	10.65%	N/A	233	8.02%	N/A	787	9.88%	N/A	2,080	9.99%
Age 45 and Older Male	0.107	N/A	1,784	17.93%	N/A	596	20.52%	N/A	1,542	19.35%	N/A	3,922	18.83%
Age 45 and Older Female	0.027	N/A	2,335	23.47%	N/A	474	16.32%	N/A	1,762	22.11%	N/A	4,571	21.95%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	32	0.32%	N/A	29	1.00%	N/A	29	0.36%	N/A	90	0.43%
Diagnosis Period Duration, 8 Months	0.320	N/A	17	0.17%	N/A	7	0.24%	N/A	30	0.38%	N/A	54	0.26%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	87	0.87%	N/A	71	2.44%	N/A	84	1.05%	N/A	242	1.16%
Diagnosis Period Duration, 12 Months	0.000	N/A	9,814	98.63%	N/A	2,798	96.32%	N/A	7,825	98.21%	N/A	20,437	98.15%
Homelessness Category													
Homelessness	0.931	N/A	111	1.12%	N/A	46	1.58%	N/A	100	1.26%	N/A	257	1.23%
Disease Categories													
Cancer, very high	3.067	10	71	0.71%	7	27	0.93%	14	45	0.56%	10	143	0.69%
Cancer, high	0.816	27	124	1.25%	27	32	1.10%	25	118	1.48%	27	274	1.32%
Cancer, medium	0.611	29	158	1.59%	25	45	1.55%	19	179	2.25%	25	382	1.83%
Cancer, low	0.318	39	102	1.03%	37	34	1.17%	40	77	0.97%	39	213	1.02%
Cardiovascular, very high	1.460	18	99	0.99%	22	22	0.76%	27	56	0.70%	23	177	0.85%
Cardiovascular, medium	0.584	2	1,070	10.75%	2	302	10.40%	3	837	10.50%	2	2,209	10.61%
Cardiovascular, extra low to low	0.081	8	3,238	32.54%	9	825	28.40%	8	2,586	32.45%	8	6,649	31.93%
Cerebrovascular, medium	0.115	41	164	1.65%	42	50	1.72%	42	127	1.59%	42	341	1.64%
CNS, high	0.781	30	102	1.03%	30	29	1.00%	30	94	1.18%	30	225	1.08%
CNS, medium	0.479	20	294	2.95%	18	83	2.86%	21	209	2.62%	19	586	2.81%
CNS, low	0.243	5	1,742	17.51%	5	477	16.42%	5	1,386	17.39%	5	3,605	17.31%
DD, low to medium	0.174	31	454	4.56%	31	119	4.10%	31	351	4.41%	31	924	4.44%
Diabetes, type 1	0.862	22	152	1.53%	23	37	1.27%	22	112	1.41%	22	301	1.45%
Diabetes, type 2	0.199	7	1,726	17.35%	8	386	13.29%	6	1,269	15.93%	7	3,381	16.24%
Gastro, high	0.320	35	170	1.71%	33	54	1.86%	36	133	1.67%	35	357	1.71%
Gastro, medium	0.268	28	378	3.80%	29	85	2.93%	28	293	3.68%	29	756	3.63%
Gastro, low	0.135	9	1,846	18.55%	12	405	13.94%	10	1,289	16.18%	9	3,540	17.00%
Hematological, extra high	4.752	45	1	0.01%	39	2	0.07%	39	6	0.08%	41	9	0.04%
Hematological, medium to very high	0.931	11	224	2.25%	16	48	1.65%	11	181	2.27%	12	453	2.18%
Hematological, low	0.370	32	178	1.79%	34	46	1.58%	34	116	1.46%	33	340	1.63%
Infectious, high to very high	0.300	25	353	3.55%	28	84	2.89%	23	321	4.03%	26	758	3.64%
Infectious, low to medium	0.188	33	341	3.43%	32	97	3.34%	32	255	3.20%	32	693	3.33%
Metabolic, high	0.468	19	308	3.10%	24	68	2.34%	20	223	2.80%	20	599	2.88%
Metabolic, medium	0.239	15	733	7.37%	14	190	6.54%	13	594	7.45%	15	1,517	7.29%
Pregnancy, complete	0.173	44	74	0.74%	45	23	0.79%	45	41	0.51%	45	138	0.66%
Pregnancy, incomplete	0.841	40	29	0.29%	41	9	0.31%	41	22	0.28%	40	60	0.29%
Psychiatric, high	0.643	4	928	9.33%	4	213	7.33%	4	683	8.57%	4	1,824	8.76%
Psychiatric, low to medium	0.225	1	3,952	39.72%	1	1,085	37.35%	1	3,168	39.76%	1	8,205	39.40%
Pulmonary, very high	0.816	17	180	1.81%	20	41	1.41%	17	140	1.76%	17	361	1.73%
Pulmonary, high	0.481	43	35	0.35%	44	9	0.31%	44	23	0.29%	44	67	0.32%
Pulmonary, medium	0.472	14	386	3.88%	11	116	3.99%	15	285	3.58%	14	787	3.78%
Pulmonary, low	0.131	13	1,497	15.05%	13	372	12.81%	12	1,138	14.28%	13	3,007	14.44%
Rare Diseases	2.664	38	13	0.13%	40	3	0.10%	35	16	0.20%	37	32	0.15%
Renal, extra high	4.191	6	90	0.90%	6	22	0.76%	7	51	0.64%	6	163	0.78%
Renal, medium	0.362	16	439	4.41%	17	117	4.03%	16	333	4.18%	16	889	4.27%
Renal, low	0.277	21	480	4.82%	21	117	4.03%	24	348	4.37%	21	945	4.54%
Skeletal, medium	0.254	3	2,451	24.63%	3	617	21.24%	2	1,997	25.06%	3	5,065	24.32%
Skeletal, very low to low	0.070	34	854	8.58%	35	212	7.30%	33	665	8.35%	34	1,731	8.31%
Skin, low to high	0.624	26	166	1.67%	19	58	2.00%	26	151	1.90%	24	375	1.80%
Skin, very low	0.169	24	659	6.62%	26	161	5.54%	29	464	5.82%	28	1,284	6.17%
Substance abuse, low	0.324	12	633	6.36%	10	176	6.06%	9	544	6.83%	11	1,353	6.50%
Substance abuse, very low	0.202	37	190	1.91%	36	54	1.86%	38	147	1.84%	38	391	1.89%
Disabled Children Add-On - CNS, high	1.388	36	35	0.35%	38	7	0.24%	37	28	0.35%	36	70	0.34%
Disabled Children Add-On - Gastro, high	1.508	23	85	0.85%	15	30	1.03%	18	73	0.92%	18	188	0.90%
Disabled Children Add-On - Pulmonary, very hig	0.419	42	41	0.41%	43	12	0.41%	43	32	0.40%	43	85	0.41%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,752	17.61%	N/A	604	20.79%	N/A	1,462	18.35%	N/A	3,818	18.34%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.364	N/A	4	3.96%	N/A	2	2.82%	N/A	2	1.98%	N/A	8	2.93%
Age 5 to 14 Male	0.701	N/A	5	4.95%	N/A	6	8.45%	N/A	7	6.93%	N/A	18	6.59%
Age 5 to 14 Female	0.872	N/A	5	4.95%	N/A	2	2.82%	N/A	2	1.98%	N/A	9	3.30%
Age 15 to 24 Male	0.522	N/A	4	3.96%	N/A	5	7.04%	N/A	5	4.95%	N/A	14	5.13%
Age 15 to 24 Female	0.831	N/A	4	3.96%	N/A	7	9.86%	N/A	1	0.99%	N/A	12	4.40%
Age 25 to 44 Male	0.797	N/A	10	9.90%	N/A	5	7.04%	N/A	10	9.90%	N/A	25	9.16%
Age 25 to 44 Female	1.120	N/A	11	10.89%	N/A	9	12.68%	N/A	15	14.85%	N/A	35	12.82%
Age 45 and Older Male	1.188	N/A	29	28.71%	N/A	15	21.13%	N/A	29	28.71%	N/A	73	26.74%
Age 45 and Older Female	1.249	N/A	29	28.71%	N/A	20	28.17%	N/A	30	29.70%	N/A	79	28.94%
Risk Adjustment Results													
Scored Members													
Member Months		Magnolia			Molina			United			Total		
Unadjusted Plan Factor		9.950			2.905			7.968			20.823		
Budget Neutral Plan Factor		1.028			0.994			1.006			1.015		
Budget Neutral Plan Factor		1.013			0.979			0.991			1.000		
Unscored Members													
Member Months		101			71			101			273		
Unadjusted Plan Factor		1.086			1.042			1.084			1.074		
Budget Neutral Plan Factor		1.011			0.970			1.010			1.000		
Total Members													
Member Months		10,051			2,976			8,069			21,096		
Unadjusted Plan Factor		1.029			0.994			1.007			1.016		
Budget Neutral Plan Factor		1.013			0.979			0.991			1.000		

Exhibit 3C Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - South Region - 01 to 02 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.113	N/A	6,945	100.00%	N/A	2,464	100.00%	N/A	7,238	100.00%	N/A	16,647	100.00%
Demographic Categories													
Age 1 to 4	0.470	N/A	236	3.40%	N/A	194	7.87%	N/A	240	3.32%	N/A	670	4.02%
Age 5 to 14 Male	0.184	N/A	903	13.00%	N/A	293	11.89%	N/A	862	11.91%	N/A	2,058	12.36%
Age 5 to 14 Female	0.265	N/A	425	6.12%	N/A	151	6.13%	N/A	382	5.28%	N/A	958	5.75%
Age 15 to 24 Male	0.000	N/A	672	9.68%	N/A	241	9.78%	N/A	687	9.49%	N/A	1,600	9.61%
Age 15 to 24 Female	0.187	N/A	334	4.81%	N/A	137	5.56%	N/A	366	5.06%	N/A	837	5.03%
Age 25 to 44 Male	0.003	N/A	735	10.58%	N/A	239	9.70%	N/A	829	11.45%	N/A	1,803	10.83%
Age 25 to 44 Female	0.133	N/A	676	9.73%	N/A	193	7.83%	N/A	708	9.78%	N/A	1,577	9.47%
Age 45 and Older Male	0.107	N/A	1,278	18.40%	N/A	499	20.25%	N/A	1,409	19.47%	N/A	3,186	19.14%
Age 45 and Older Female	0.027	N/A	1,686	24.28%	N/A	517	20.98%	N/A	1,755	24.25%	N/A	3,958	23.78%
Duration Category													
Diagnosis Period Duration, 6 to 7 Months	0.382	N/A	36	0.52%	N/A	33	1.34%	N/A	38	0.53%	N/A	107	0.64%
Diagnosis Period Duration, 8 Months	0.320	N/A	19	0.27%	N/A	11	0.45%	N/A	27	0.37%	N/A	57	0.34%
Diagnosis Period Duration, 9 to 11 Months	0.167	N/A	94	1.35%	N/A	57	2.31%	N/A	98	1.35%	N/A	249	1.50%
Diagnosis Period Duration, 12 Months	0.000	N/A	6,796	97.85%	N/A	2,363	95.90%	N/A	7,075	97.75%	N/A	16,234	97.52%
Homelessness Category													
Homelessness	0.931	N/A	86	1.24%	N/A	54	2.19%	N/A	83	1.15%	N/A	223	1.34%
Disease Categories													
Cancer, very high	3.067	14	43	0.62%	11	17	0.69%	14	40	0.55%	14	100	0.60%
Cancer, high	0.816	22	119	1.71%	19	49	1.99%	26	100	1.38%	23	268	1.61%
Cancer, medium	0.611	30	101	1.45%	32	32	1.30%	27	131	1.81%	30	264	1.59%
Cancer, low	0.318	39	88	1.27%	37	32	1.30%	36	102	1.41%	36	222	1.33%
Cardiovascular, very high	1.460	25	60	0.86%	26	18	0.73%	30	45	0.62%	28	123	0.74%
Cardiovascular, medium	0.584	2	813	11.71%	2	280	11.36%	2	815	11.26%	2	1,908	11.46%
Cardiovascular, extra low to low	0.081	9	2,171	31.26%	10	672	27.27%	8	2,391	33.03%	10	5,234	31.44%
Cerebrovascular, medium	0.115	41	135	1.94%	41	45	1.83%	41	130	1.80%	41	310	1.86%
CNS, high	0.781	33	63	0.91%	34	22	0.89%	33	72	0.99%	33	157	0.94%
CNS, medium	0.479	17	247	3.56%	24	64	2.60%	18	221	3.05%	18	532	3.20%
CNS, low	0.243	5	1,390	20.01%	5	421	17.09%	5	1,415	19.55%	5	3,226	19.38%
DD, low to medium	0.174	29	418	6.02%	29	120	4.87%	29	417	5.76%	29	955	5.74%
Diabetes, type 1	0.862	20	128	1.84%	33	22	0.89%	17	128	1.77%	20	278	1.67%
Diabetes, type 2	0.199	6	1,142	16.44%	6	349	14.16%	6	1,135	15.68%	6	2,626	15.77%
Gastro, high	0.320	35	132	1.90%	30	62	2.52%	35	127	1.75%	35	321	1.93%
Gastro, medium	0.268	24	332	4.78%	27	97	3.94%	25	322	4.45%	26	751	4.51%
Gastro, low	0.135	8	1,491	21.47%	9	436	17.69%	9	1,430	19.76%	7	3,357	20.17%
Hematological, extra high	4.752	40	4	0.06%	42	1	0.04%	45	1	0.01%	43	6	0.04%
Hematological, medium to very high	0.931	13	146	2.10%	17	44	1.79%	16	125	1.73%	15	315	1.89%
Hematological, low	0.370	31	152	2.19%	28	57	2.31%	34	123	1.70%	32	332	1.99%
Infectious, high to very high	0.300	28	265	3.82%	21	107	4.34%	28	255	3.52%	27	627	3.77%
Infectious, low to medium	0.188	32	277	3.99%	31	105	4.26%	31	301	4.16%	31	683	4.10%
Metabolic, high	0.468	27	180	2.59%	25	62	2.52%	24	193	2.67%	25	435	2.61%
Metabolic, medium	0.239	16	502	7.23%	13	197	8.00%	15	497	6.87%	16	1,196	7.18%
Pregnancy, complete	0.173	45	47	0.68%	43	18	0.73%	43	51	0.70%	44	116	0.70%
Pregnancy, incomplete	0.841	42	17	0.24%	39	8	0.32%	40	20	0.28%	40	45	0.27%
Psychiatric, high	0.643	4	575	8.28%	4	179	7.26%	4	588	8.12%	4	1,342	8.06%
Psychiatric, low to medium	0.225	1	2,977	42.87%	1	989	40.14%	1	3,198	44.18%	1	7,164	43.03%
Pulmonary, very high	0.816	12	180	2.59%	15	54	2.19%	13	169	2.33%	12	403	2.42%
Pulmonary, high	0.481	44	17	0.24%	45	5	0.20%	44	18	0.25%	45	40	0.24%
Pulmonary, medium	0.472	15	266	3.83%	12	108	4.38%	12	294	4.06%	13	668	4.01%
Pulmonary, low	0.131	11	1,172	16.88%	14	355	14.41%	10	1,122	15.50%	11	2,649	15.91%
Rare Diseases	2.664	36	14	0.20%	44	1	0.04%	38	10	0.14%	39	25	0.15%
Renal, extra high	4.191	7	50	0.72%	7	16	0.65%	11	35	0.48%	9	101	0.61%
Renal, medium	0.362	18	311	4.48%	16	118	4.79%	19	287	3.97%	17	716	4.30%
Renal, low	0.277	21	370	5.33%	23	115	4.67%	21	348	4.81%	21	833	5.00%
Skeletal, medium	0.254	3	1,574	22.66%	3	525	21.31%	3	1,634	22.58%	3	3,733	22.42%
Skeletal, very low to low	0.070	34	697	10.04%	35	217	8.81%	32	803	11.09%	34	1,717	10.31%
Skin, low to high	0.624	26	136	1.96%	20	55	2.23%	22	153	2.11%	24	344	2.07%
Skin, very low	0.169	23	565	8.14%	22	189	7.67%	20	580	8.01%	22	1,334	8.01%
Substance abuse, low	0.324	10	540	7.78%	8	189	7.67%	7	634	8.76%	8	1,363	8.19%
Substance abuse, very low	0.202	38	144	2.07%	36	53	2.15%	37	136	1.88%	38	333	2.00%
Disabled Children Add-On - CNS, high	1.388	37	25	0.36%	38	7	0.28%	39	17	0.23%	37	49	0.29%
Disabled Children Add-On - Gastro, high	1.508	19	74	1.07%	18	27	1.10%	23	63	0.87%	19	164	0.99%
Disabled Children Add-On - Pulmonary, very high	0.419	43	29	0.42%	40	13	0.53%	42	29	0.40%	42	71	0.43%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,243	17.90%	N/A	524	21.27%	N/A	1,281	17.70%	N/A	3,048	18.31%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	1.364	N/A	9	6.77%	N/A	3	3.49%	N/A	4	3.54%	N/A	16	4.82%
Age 5 to 14 Male	0.701	N/A	14	10.53%	N/A	7	8.14%	N/A	4	3.54%	N/A	25	7.53%
Age 5 to 14 Female	0.872	N/A	1	0.75%	N/A	3	3.49%	N/A	4	3.54%	N/A	8	2.41%
Age 15 to 24 Male	0.522	N/A	5	3.76%	N/A	10	11.63%	N/A	5	4.42%	N/A	20	6.02%
Age 15 to 24 Female	0.831	N/A	4	3.01%	N/A	6	6.98%	N/A	4	3.54%	N/A	14	4.22%
Age 25 to 44 Male	0.797	N/A	17	12.78%	N/A	9	10.47%	N/A	15	13.27%	N/A	41	12.35%
Age 25 to 44 Female	1.120	N/A	16	12.03%	N/A	12	13.95%	N/A	19	16.81%	N/A	47	14.16%
Age 45 and Older Male	1.188	N/A	29	21.80%	N/A	15	17.44%	N/A	25	22.12%	N/A	69	20.78%
Age 45 and Older Female	1.249	N/A	38	28.57%	N/A	21	24.42%	N/A	33	29.20%	N/A	92	27.71%
Risk Adjustment Results													
Scored Members													
Member Months		6,945			2,464			7,238			16,647		
Unadjusted Plan Factor		1.071			1.041			1.027			1.048		
Budget Neutral Plan Factor		1.023			0.994			0.980			1.000		
Unscored Members													
Member Months		133			86			113			332		
Unadjusted Plan Factor		1.070			1.006			1.078			1.056		
Budget Neutral Plan Factor		1.013			0.952			1.021			1.000		
Total Members													
Member Months		7,078			2,550			7,351			16,979		
Unadjusted Plan Factor		1.071			1.040			1.028			1.048		
Budget Neutral Plan Factor		1.022			0.993			0.981			1.000		

Exhibit 3D Mississippi Division of Medicaid Risk Adjustment Results MA Adult - North Region - Q1 to Q2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.126	N/A	5,653	100.00%	N/A	3,697	100.00%	N/A	5,244	100.00%	N/A	14,594	100.00%
Demographic Categories													
Age 19 to 24 Male	0.000	N/A	21	0.37%	N/A	10	0.27%	N/A	19	0.36%	N/A	50	0.34%
Age 19 to 24 Female	0.460	N/A	505	8.93%	N/A	432	11.69%	N/A	543	10.35%	N/A	1,480	10.14%
Age 25 to 44 Male	0.111	N/A	279	4.94%	N/A	187	5.06%	N/A	281	5.36%	N/A	747	5.12%
Age 25 to 44 Female	0.305	N/A	4,237	74.95%	N/A	2,776	75.09%	N/A	3,884	74.07%	N/A	10,897	74.67%
Age 45 and Older Male	0.127	N/A	105	1.86%	N/A	69	1.87%	N/A	93	1.77%	N/A	267	1.83%
Age 45 and Older Female	0.326	N/A	506	8.95%	N/A	223	6.03%	N/A	424	8.09%	N/A	1,153	7.90%
Duration Category													
Diagnosis Period Duration, 6 Months	0.448	N/A	70	1.24%	N/A	76	2.06%	N/A	80	1.53%	N/A	226	1.55%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	5,583	98.76%	N/A	3,621	97.94%	N/A	5,164	98.47%	N/A	14,368	98.45%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.126)	N/A	437	7.73%	N/A	278	7.52%	N/A	424	8.09%	N/A	1,139	7.80%
Homelessness Category													
Homelessness	0.472	N/A	7	0.12%	N/A	2	0.05%	N/A	0	0.00%	N/A	9	0.06%
Disease Categories													
Cancer, high to very high	2.607	14	29	0.51%	16	14	0.38%	21	14	0.27%	17	57	0.39%
Cancer, low to medium	0.394	27	58	1.03%	29	28	0.76%	30	45	0.86%	29	131	0.90%
Cardiovascular, very high	2.004	33	4	0.07%	34	3	0.08%	33	5	0.10%	33	12	0.08%
Cardiovascular, medium	0.547	10	212	3.75%	7	143	3.87%	7	219	4.18%	8	574	3.93%
Cardiovascular, low	0.442	11	179	3.17%	12	104	2.81%	15	150	2.86%	12	433	2.97%
Cardiovascular, extra low	0.118	5	1,596	28.23%	6	895	24.21%	6	1,273	24.28%	6	3,764	25.79%
Cerebrovascular, medium	0.456	38	9	0.16%	38	5	0.14%	39	9	0.17%	38	23	0.16%
CNS, high	0.552	34	14	0.25%	36	5	0.14%	38	8	0.15%	37	27	0.19%
CNS, medium	0.544	30	32	0.57%	33	15	0.41%	26	40	0.76%	30	87	0.60%
CNS, low	0.425	8	306	5.41%	10	163	4.41%	9	267	5.09%	9	736	5.04%
Diabetes, type 1	1.366	17	45	0.80%	14	31	0.84%	14	49	0.93%	15	125	0.86%
Diabetes, type 2	0.241	9	529	9.36%	9	300	8.11%	8	486	9.27%	7	1,315	9.01%
Eye, very low to extra low	0.271	23	115	2.03%	28	55	1.49%	25	100	1.91%	25	270	1.85%
Gastro, high	0.864	35	8	0.14%	35	5	0.14%	35	10	0.19%	36	23	0.16%
Gastro, medium	0.585	18	89	1.57%	18	58	1.57%	17	76	1.45%	18	223	1.53%
Gastro, low	0.278	4	829	14.66%	5	423	11.44%	5	594	11.33%	4	1,846	12.65%
Genital, extra low	0.232	13	336	5.94%	11	236	6.38%	11	324	6.18%	11	896	6.14%
Infectious, very high	1.355	39	1	0.02%	39	0	0.00%	40	2	0.04%	40	3	0.02%
Infectious, high	0.426	22	81	1.43%	22	46	1.24%	20	88	1.68%	21	215	1.47%
Infectious, low to medium	0.196	28	110	1.95%	25	87	2.35%	29	104	1.98%	27	301	2.06%
Metabolic, high	0.528	29	34	0.60%	26	32	0.87%	28	39	0.74%	28	105	0.72%
Metabolic, medium	0.296	12	266	4.71%	15	131	3.54%	12	229	4.37%	14	626	4.29%
Pregnancy, complete	0.295	6	617	10.91%	4	433	11.71%	4	622	11.86%	5	1,672	11.46%
Pregnancy, incomplete	1.430	3	163	2.88%	2	159	4.30%	3	176	3.36%	2	498	3.41%
Psychiatric, high	0.665	24	45	0.80%	23	26	0.70%	23	45	0.86%	23	116	0.79%
Psychiatric, medium	0.490	25	59	1.04%	27	34	0.92%	24	59	1.13%	24	152	1.04%
Psychiatric, low	0.200	2	1,296	22.93%	3	898	24.29%	2	1,297	24.73%	3	3,491	23.92%
Pulmonary, medium to very high	0.499	20	79	1.40%	19	57	1.54%	18	87	1.66%	19	223	1.53%
Pulmonary, low	0.271	7	486	8.60%	8	271	7.33%	10	382	7.48%	10	1,149	7.87%
Rare Diseases	6.883	36	1	0.02%	39	0	0.00%	32	2	0.04%	35	3	0.02%
Renal, extra high	2.600	40	0	0.00%	37	1	0.03%	36	3	0.06%	39	4	0.03%
Renal, medium	0.539	26	51	0.90%	24	32	0.87%	27	40	0.76%	26	123	0.84%
Renal, low	0.472	19	85	1.50%	20	54	1.46%	19	81	1.54%	20	220	1.51%
Skeletal, medium	0.270	1	1,818	32.16%	1	1,076	29.10%	1	1,670	31.85%	1	4,564	31.27%
Skeletal, low	0.251	21	144	2.55%	21	82	2.22%	22	122	2.33%	22	348	2.38%
Skeletal, very low	0.189	31	91	1.61%	31	51	1.38%	31	79	1.51%	31	221	1.51%
Skin, high	1.732	37	3	0.05%	32	5	0.14%	37	4	0.08%	34	12	0.08%
Skin, low	0.891	32	17	0.30%	30	11	0.30%	34	10	0.19%	32	38	0.26%
Skin, very low	0.178	16	354	6.26%	17	198	5.36%	16	338	6.45%	16	890	6.10%
Substance abuse, very low to low	0.299	15	244	4.32%	13	152	4.11%	13	226	4.31%	13	622	4.26%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,103	19.51%	N/A	798	21.59%	N/A	1,085	20.69%	N/A	2,986	20.46%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 19 to 24 Male	0.331	N/A	3	0.76%	N/A	4	1.32%	N/A	4	1.18%	N/A	11	1.06%
Age 19 to 24 Female	1.115	N/A	36	9.09%	N/A	22	7.24%	N/A	30	8.85%	N/A	88	8.47%
Age 25 to 44 Male	0.639	N/A	42	10.61%	N/A	43	14.14%	N/A	41	12.09%	N/A	126	12.13%
Age 25 to 44 Female	0.993	N/A	275	69.44%	N/A	205	67.43%	N/A	231	68.14%	N/A	711	68.43%
Age 45 and Older Male	0.943	N/A	11	2.78%	N/A	8	2.63%	N/A	8	2.36%	N/A	27	2.60%
Age 45 and Older Female	1.245	N/A	29	7.32%	N/A	22	7.24%	N/A	25	7.37%	N/A	76	7.31%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Scored Members				Unscored Members				Scored Members				Unscored Members	
Member Months				Member Months				Member Months				Member Months	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor	
Unscored Members				Unscored Members				Unscored Members				Unscored Members	
Member Months				Member Months				Member Months				Member Months	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor	
Total Members				Total Members				Total Members				Total Members	
Member Months				Member Months				Member Months				Member Months	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor	

Exhibit 3E Mississippi Division of Medicaid Risk Adjustment Results MA Adult - Central Region - O1 to O2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.126	N/A	6,258	100.00%	N/A	4,537	100.00%	N/A	5,790	100.00%	N/A	16,585	100.00%
Demographic Categories													
Age 19 to 24 Male	0.000	N/A	12	0.19%	N/A	7	0.15%	N/A	12	0.21%	N/A	31	0.19%
Age 19 to 24 Female	0.460	N/A	569	9.09%	N/A	546	12.03%	N/A	549	9.48%	N/A	1,664	10.03%
Age 25 to 44 Male	0.111	N/A	280	4.47%	N/A	204	4.50%	N/A	253	4.37%	N/A	737	4.44%
Age 25 to 44 Female	0.305	N/A	4,683	74.83%	N/A	3,434	75.69%	N/A	4,327	74.73%	N/A	12,444	75.03%
Age 45 and Older Male	0.127	N/A	136	2.17%	N/A	64	1.41%	N/A	121	2.09%	N/A	321	1.94%
Age 45 and Older Female	0.326	N/A	578	9.24%	N/A	282	6.22%	N/A	528	9.12%	N/A	1,388	8.37%
Duration Category													
Diagnosis Period Duration, 6 Months	0.448	N/A	95	1.52%	N/A	76	1.68%	N/A	84	1.45%	N/A	255	1.54%
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	6,163	98.48%	N/A	4,461	98.32%	N/A	5,706	98.55%	N/A	16,330	98.46%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.126)	N/A	491	7.85%	N/A	346	7.63%	N/A	451	7.79%	N/A	1,288	7.77%
Duration Categories													
Homelessness	0.472	N/A	10	0.16%	N/A	8	0.18%	N/A	10	0.17%	N/A	28	0.17%
Disease Categories													
Cancer, high to very high	2.607	19	22	0.35%	17	12	0.26%	14	28	0.48%	18	62	0.37%
Cancer, low to medium	0.394	32	47	0.75%	29	37	0.82%	32	48	0.83%	30	132	0.80%
Cardiovascular, very high	2.004	36	5	0.08%	38	0	0.00%	37	5	0.09%	37	10	0.06%
Cardiovascular, medium	0.547	7	273	4.36%	8	160	3.53%	7	280	4.84%	7	713	4.30%
Cardiovascular, low	0.442	13	205	3.28%	13	110	2.42%	16	145	2.50%	13	460	2.77%
Cardiovascular, extra low	0.118	6	1,671	26.70%	6	1,063	23.43%	6	1,529	26.41%	6	4,263	25.70%
Cerebrovascular, medium	0.456	39	9	0.14%	36	5	0.11%	39	12	0.21%	39	26	0.16%
CNS, high	0.552	33	31	0.50%	33	16	0.35%	27	42	0.73%	31	89	0.54%
CNS, medium	0.544	30	38	0.61%	32	19	0.42%	33	28	0.48%	32	85	0.51%
CNS, low	0.425	9	331	5.29%	7	213	4.69%	8	328	5.66%	8	872	5.26%
Diabetes, type 1	1.366	17	49	0.78%	22	19	0.42%	15	53	0.92%	17	121	0.73%
Diabetes, type 2	0.241	8	617	9.88%	10	313	6.90%	9	404	8.53%	9	1,424	8.59%
Eye, very low to extra low	0.271	21	172	2.75%	26	65	1.43%	24	112	1.93%	25	349	2.10%
Gastro, high	0.864	37	8	0.13%	35	4	0.09%	35	14	0.24%	36	26	0.16%
Gastro, medium	0.585	16	117	1.87%	16	76	1.68%	17	105	1.81%	15	298	1.80%
Gastro, low	0.278	4	832	13.29%	5	485	10.69%	4	710	12.26%	5	2,027	12.22%
Genital, extra low	0.232	12	422	6.74%	12	283	6.24%	12	354	6.11%	12	1,059	6.39%
Infectious, very high	1.355	40	1	0.02%	37	1	0.02%	40	4	0.07%	40	6	0.04%
Infectious, high	0.426	25	97	1.55%	20	66	1.45%	19	105	1.81%	21	268	1.62%
Infectious, low to medium	0.196	29	116	1.85%	28	87	1.92%	28	111	1.92%	28	314	1.89%
Metabolic, high	0.528	27	64	1.02%	25	41	0.90%	30	38	0.66%	27	143	0.86%
Metabolic, medium	0.296	14	282	4.51%	15	152	3.35%	13	249	4.30%	14	683	4.12%
Pregnancy, complete	0.295	5	762	12.18%	4	617	13.60%	5	639	11.04%	4	2,018	12.17%
Pregnancy, incomplete	1.430	2	232	3.71%	2	202	4.45%	2	231	3.99%	2	665	4.01%
Psychiatric, high	0.665	23	70	1.12%	19	43	0.95%	23	47	0.81%	23	160	0.96%
Psychiatric, medium	0.490	22	95	1.52%	24	47	1.04%	25	59	1.02%	24	201	1.21%
Psychiatric, low	0.200	3	1,543	24.66%	3	1,036	22.83%	3	1,473	25.44%	3	4,052	24.43%
Pulmonary, medium to very high	0.499	18	115	1.84%	18	58	1.28%	21	86	1.49%	19	259	1.56%
Pulmonary, low	0.271	10	513	8.20%	9	296	6.52%	10	432	7.46%	10	1,241	7.48%
Rare Diseases	6.883	34	2	0.03%	38	0	0.00%	29	3	0.05%	34	5	0.03%
Renal, extra high	2.600	38	2	0.03%	34	3	0.07%	34	5	0.09%	35	10	0.06%
Renal, medium	0.539	26	63	1.01%	27	32	0.71%	26	50	0.86%	26	145	0.87%
Renal, low	0.472	20	114	1.82%	23	51	1.12%	22	89	1.54%	20	254	1.53%
Skeletal, medium	0.270	1	1,788	28.57%	1	1,198	26.41%	1	1,690	29.19%	1	4,676	28.19%
Skeletal, low	0.251	24	170	2.72%	21	107	2.36%	20	171	2.95%	22	448	2.70%
Skeletal, very low	0.189	28	137	2.19%	31	70	1.54%	31	103	1.78%	29	310	1.87%
Skin, high	1.732	35	6	0.10%	38	0	0.00%	38	4	0.07%	38	10	0.06%
Skin, low	0.891	31	23	0.37%	30	15	0.33%	36	12	0.21%	33	50	0.30%
Skin, very low	0.178	15	387	6.18%	14	257	5.66%	18	331	5.72%	16	975	5.88%
Substance abuse, very low to low	0.299	11	333	5.32%	11	227	5.00%	11	317	5.47%	11	877	5.29%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,183	18.90%	N/A	1,051	23.17%	N/A	1,213	20.95%	N/A	3,447	20.78%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 19 to 24 Male	0.331	N/A	9	2.14%	N/A	7	2.06%	N/A	9	2.44%	N/A	25	2.22%
Age 19 to 24 Female	1.115	N/A	36	8.57%	N/A	42	12.39%	N/A	30	8.13%	N/A	108	9.57%
Age 25 to 44 Male	0.639	N/A	61	14.52%	N/A	38	11.21%	N/A	44	11.92%	N/A	143	12.68%
Age 25 to 44 Female	0.993	N/A	279	66.43%	N/A	225	66.37%	N/A	249	67.48%	N/A	753	66.76%
Age 45 and Older Male	0.943	N/A	10	2.38%	N/A	7	2.06%	N/A	13	3.52%	N/A	30	2.66%
Age 45 and Older Female	1.245	N/A	25	5.95%	N/A	20	5.90%	N/A	24	6.50%	N/A	69	6.12%
Risk Adjustment Results													
Magnolia				Molina				United				Total	
Scored Members				Scored Members				Scored Members				Scored Members	
Member Months				Member Months				Member Months				Member Months	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor	
Unscored Members				Unscored Members				Unscored Members				Unscored Members	
Member Months				Member Months				Member Months				Member Months	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor	
Total Members				Total Members				Total Members				Total Members	
Member Months				Member Months				Member Months				Member Months	
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor	
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor	

Exhibit 3F Mississippi Division of Medicaid Risk Adjustment Results MA Adult - South Region - O1 to O2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period												
Scored Members												
Risk Weight	Disease Impact Rank	Magnolia		Molina		United		Total				
		Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months			
Regression Intercept	0.126	N/A	5,739	100.00%	N/A	4,642	100.00%	N/A	6,539	100.00%	N/A	16,920
Demographic Categories												
Age 19 to 24 Male	0.000	N/A	16	0.28%	N/A	20	0.43%	N/A	15	0.23%	N/A	51
Age 19 to 24 Female	0.460	N/A	533	9.29%	N/A	449	9.67%	N/A	588	8.99%	N/A	1,570
Age 25 to 44 Male	0.111	N/A	342	5.96%	N/A	288	6.20%	N/A	407	6.22%	N/A	1,037
Age 25 to 44 Female	0.305	N/A	4,178	72.80%	N/A	3,419	73.65%	N/A	4,724	72.24%	N/A	12,321
Age 45 and Older Male	0.127	N/A	148	2.58%	N/A	122	2.63%	N/A	190	2.91%	N/A	460
Age 45 and Older Female	0.326	N/A	522	9.10%	N/A	344	7.41%	N/A	615	9.41%	N/A	1,481
Duration Category												
Diagnosis Period Duration, 6 Months	0.448	N/A	82	1.43%	N/A	66	1.42%	N/A	79	1.21%	N/A	227
Diagnosis Period Duration, 7 to 12 Months	0.000	N/A	5,657	98.57%	N/A	4,576	98.58%	N/A	6,460	98.79%	N/A	16,693
Non-Utilizer Category												
No Base Period Medical Utilization	(0.126)	N/A	454	7.91%	N/A	423	9.11%	N/A	496	7.59%	N/A	1,373
Duration Categories												
Homelessness	0.472	N/A	11	0.19%	N/A	6	0.13%	N/A	14	0.21%	N/A	31
Disease Categories												
Cancer, high to very high	2.607	18	25	0.44%	22	11	0.24%	18	28	0.43%	18	64
Cancer, low to medium	0.394	31	57	0.99%	28	54	1.16%	29	76	1.16%	30	187
Cardiovascular, very high	2.004	33	9	0.16%	39	1	0.02%	40	0	0.00%	37	10
Cardiovascular, medium	0.547	8	258	4.50%	7	216	4.65%	8	312	4.77%	8	786
Cardiovascular, low	0.442	15	211	3.68%	13	159	3.43%	13	259	3.96%	13	629
Cardiovascular, extra low	0.118	7	1,400	24.39%	6	1,003	21.61%	7	1,616	24.71%	7	4,019
Cerebrovascular, medium	0.456	39	12	0.21%	38	6	0.13%	37	9	0.14%	40	27
CNS, high	0.552	38	15	0.26%	35	14	0.30%	36	17	0.26%	36	46
CNS, medium	0.544	29	48	0.84%	31	33	0.71%	30	54	0.83%	31	135
CNS, low	0.425	6	430	7.49%	8	266	5.73%	5	473	7.23%	6	1,169
Diabetes, type 1	1.366	12	76	1.32%	17	33	0.71%	17	56	0.86%	15	165
Diabetes, type 2	0.241	10	509	8.87%	10	351	7.56%	10	604	9.24%	10	1,464
Eye, very low to extra low	0.271	23	156	2.72%	26	80	1.72%	26	138	2.11%	24	374
Gastro, high	0.864	35	17	0.30%	33	15	0.32%	32	22	0.34%	33	54
Gastro, medium	0.585	14	172	3.00%	14	104	2.24%	12	214	3.27%	12	490
Gastro, low	0.278	4	860	14.99%	5	601	12.95%	4	889	13.60%	4	2,350
Genital, extra low	0.232	13	435	7.58%	11	326	7.02%	14	431	6.59%	14	1,192
Infectious, very high	1.355	40	4	0.07%	36	5	0.11%	38	2	0.03%	38	11
Infectious, high	0.426	24	87	1.52%	21	71	1.53%	25	97	1.48%	23	255
Infectious, low to medium	0.196	30	128	2.23%	32	90	1.94%	28	173	2.65%	29	391
Metabolic, high	0.528	25	63	1.10%	27	41	0.88%	31	54	0.83%	27	158
Metabolic, medium	0.296	17	229	3.99%	16	158	3.40%	16	263	4.02%	17	650
Pregnancy, complete	0.295	5	633	11.03%	4	590	12.71%	6	677	10.35%	5	1,900
Pregnancy, incomplete	1.430	3	220	3.83%	1	213	4.59%	3	227	3.47%	3	660
Psychiatric, high	0.665	26	50	0.87%	24	34	0.73%	24	68	1.04%	26	152
Psychiatric, medium	0.490	22	98	1.71%	23	54	1.16%	22	112	1.71%	22	264
Psychiatric, low	0.200	2	1,690	29.45%	3	1,402	30.20%	2	2,155	32.96%	2	5,247
Pulmonary, medium to very high	0.499	21	105	1.83%	19	79	1.70%	21	121	1.85%	21	305
Pulmonary, low	0.271	9	504	8.78%	9	355	7.65%	11	524	8.01%	9	1,383
Rare Diseases	6.883	32	3	0.05%	29	3	0.06%	35	2	0.03%	32	8
Renal, extra high	2.600	36	4	0.07%	40	0	0.00%	39	1	0.02%	39	5
Renal, medium	0.539	28	52	0.91%	30	34	0.73%	27	67	1.02%	28	153
Renal, low	0.472	19	132	2.30%	20	79	1.70%	19	142	2.17%	19	353
Skeletal, medium	0.270	1	1,439	25.07%	2	1,064	22.92%	1	1,707	26.10%	1	4,210
Skeletal, low	0.251	20	213	3.71%	18	158	3.40%	20	259	3.96%	20	630
Skeletal, very low	0.189	27	172	3.00%	25	119	2.56%	23	244	3.73%	25	535
Skin, high	1.732	37	6	0.10%	37	2	0.04%	34	8	0.12%	35	16
Skin, low	0.891	34	20	0.35%	34	10	0.22%	33	20	0.31%	34	50
Skin, very low	0.178	16	418	7.28%	15	291	6.27%	15	508	7.77%	16	1,217
Substance abuse, very low to low	0.299	11	405	7.06%	12	250	5.39%	9	505	7.72%	11	1,160
Population Statistics												
No Classified Disease Categories	N/A	N/A	1,094	19.06%	N/A	954	20.55%	N/A	1,220	18.66%	N/A	3,268
Unscored Members												
Risk Weight	Disease Impact Rank	Magnolia		Molina		United		Total				
		Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months			
Demographic Categories												
Age 19 to 24 Male	0.331	N/A	8	2.13%	N/A	7	1.87%	N/A	7	1.94%	N/A	22
Age 19 to 24 Female	1.115	N/A	31	8.27%	N/A	48	12.80%	N/A	29	8.06%	N/A	108
Age 25 to 44 Male	0.639	N/A	51	13.60%	N/A	59	15.73%	N/A	57	15.83%	N/A	167
Age 25 to 44 Female	0.993	N/A	234	62.40%	N/A	229	61.07%	N/A	221	61.39%	N/A	684
Age 45 and Older Male	0.943	N/A	15	4.00%	N/A	11	2.93%	N/A	17	4.72%	N/A	43
Age 45 and Older Female	1.245	N/A	36	9.60%	N/A	21	5.60%	N/A	29	8.06%	N/A	86
Risk Adjustment Results												
Scored Members												
Unscored Members												
Total Members												
Member Months		5,739		4,642		6,539		16,920				
Unadjusted Plan Factor		1.046		0.984		1.034		1.024				
Budget Neutral Plan Factor		1.021		0.961		1.009		1.000				
Unscored Members												
Member Months		375		375		360		1,110				
Unadjusted Plan Factor		0.963		0.953		0.952		0.956				
Budget Neutral Plan Factor		1.007		0.997		0.996		1.000				
Total Members												
Member Months		6,114		5,017		6,899		18,030				
Unadjusted Plan Factor		1.040		0.983		1.029		1.020				
Budget Neutral Plan Factor		1.020		0.964		1.009		1.000				

Exhibit 3G Mississippi Division of Medicaid Risk Adjustment Results MA Children - North Region - Q1 to Q2 2023 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	29,612	100.00%	N/A	16,756	100.00%	N/A	27,508	100.00%	N/A	73,876	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	6,774	22.88%	N/A	5,319	31.74%	N/A	6,813	24.77%	N/A	18,906	25.59%
Age 5 to 14 Male	0.038	N/A	7,959	26.88%	N/A	4,253	25.38%	N/A	7,205	26.19%	N/A	19,417	26.28%
Age 5 to 14 Female	0.112	N/A	8,309	28.06%	N/A	4,385	26.17%	N/A	7,518	27.33%	N/A	20,212	27.36%
Age 15 to 18 Male	0.000	N/A	3,209	10.84%	N/A	1,372	8.19%	N/A	2,933	10.66%	N/A	7,514	10.17%
Age 15 to 18 Female	0.257	N/A	3,361	11.35%	N/A	1,427	8.52%	N/A	3,039	11.05%	N/A	7,827	10.59%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	254	0.86%	N/A	204	1.22%	N/A	228	0.83%	N/A	686	0.93%
Diagnosis Period Duration, 7 Months	0.098	N/A	261	0.88%	N/A	243	1.45%	N/A	285	1.04%	N/A	789	1.07%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	29,097	98.26%	N/A	16,309	97.33%	N/A	26,995	98.14%	N/A	72,401	98.00%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	1,683	5.68%	N/A	1,224	7.30%	N/A	1,528	5.55%	N/A	4,435	6.00%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	15	28	0.09%	17	15	0.09%	11	39	0.14%	14	82	0.11%
Cardiovascular, very high	1.724	37	4	0.01%	41	0	0.00%	37	4	0.01%	39	8	0.01%
Cardiovascular, medium	0.733	13	143	0.48%	11	90	0.54%	12	130	0.47%	11	363	0.49%
Cardiovascular, low	0.450	9	312	1.05%	9	165	0.98%	9	297	1.08%	9	774	1.05%
Cardiovascular, extra low	0.412	11	278	0.94%	15	112	0.67%	14	226	0.82%	12	616	0.83%
Cerebrovascular, medium	2.021	39	1	0.00%	41	0	0.00%	40	2	0.00%	41	3	0.00%
CNS, high	2.129	36	4	0.01%	36	5	0.03%	36	6	0.02%	36	15	0.02%
CNS, medium	1.173	28	32	0.11%	27	16	0.10%	26	32	0.12%	28	80	0.11%
CNS, low	0.751	5	483	1.63%	5	232	1.38%	5	422	1.53%	5	1,137	1.54%
DD, medium	6.081	41	0	0.00%	28	3	0.02%	42	0	0.00%	38	3	0.00%
DD, low	1.630	12	67	0.23%	12	35	0.21%	16	48	0.17%	13	150	0.20%
Diabetes, type 1	3.867	6	67	0.23%	6	20	0.12%	6	68	0.25%	6	155	0.21%
Diabetes, type 2	0.479	30	69	0.23%	35	25	0.15%	32	46	0.17%	31	140	0.19%
Eye, very low to extra low	0.256	26	162	0.55%	24	99	0.59%	27	143	0.52%	25	404	0.55%
Gastro, high	3.331	25	14	0.05%	22	8	0.05%	19	18	0.07%	23	40	0.05%
Gastro, medium	1.271	24	39	0.13%	20	24	0.14%	24	31	0.11%	24	94	0.13%
Gastro, low	0.340	4	1,283	4.33%	4	717	4.28%	4	1,261	4.58%	4	3,261	4.41%
Genital, extra low	0.472	17	157	0.53%	14	100	0.60%	15	175	0.64%	16	432	0.58%
Hematological, extra high	3.863	35	3	0.01%	38	1	0.01%	30	6	0.02%	34	10	0.01%
Hematological, very high	3.011	34	5	0.02%	34	4	0.02%	38	2	0.01%	35	11	0.01%
Hematological, low to medium	0.381	14	217	0.73%	16	116	0.69%	17	176	0.64%	17	509	0.69%
Infectious, high to very high	0.682	27	62	0.21%	32	21	0.13%	33	33	0.12%	30	116	0.16%
Infectious, medium	0.176	21	331	1.12%	19	208	1.24%	20	315	1.15%	18	854	1.16%
Metabolic, high	0.754	19	80	0.27%	26	30	0.18%	18	81	0.29%	21	191	0.26%
Metabolic, medium	0.391	29	91	0.31%	23	67	0.40%	28	91	0.33%	26	249	0.34%
Pregnancy, complete	0.277	32	87	0.29%	33	44	0.26%	34	76	0.28%	33	207	0.28%
Pregnancy, incomplete	3.124	10	37	0.12%	10	22	0.13%	10	41	0.15%	10	100	0.14%
Psychiatric, high	3.507	22	15	0.05%	39	1	0.01%	25	11	0.04%	27	27	0.04%
Psychiatric, medium	1.859	7	126	0.43%	6	75	0.45%	7	111	0.40%	7	312	0.42%
Psychiatric, low	0.930	1	4,557	15.39%	1	2,118	12.64%	1	4,229	15.37%	1	10,904	14.76%
Pulmonary, very high	1.975	23	26	0.09%	18	20	0.12%	22	27	0.10%	20	73	0.10%
Pulmonary, medium to high	0.457	16	168	0.57%	13	112	0.67%	13	205	0.75%	15	485	0.65%
Pulmonary, low	0.321	3	2,651	8.95%	3	1,235	7.37%	3	2,354	8.56%	3	6,240	8.45%
Rare Diseases	7.506	33	3	0.01%	31	2	0.01%	31	3	0.01%	32	8	0.01%
Renal, extra high	15.124	41	0	0.00%	30	1	0.01%	35	1	0.00%	37	2	0.00%
Renal, medium	1.178	31	26	0.09%	29	15	0.09%	29	28	0.10%	29	69	0.09%
Renal, low	0.277	18	240	0.81%	21	105	0.63%	23	188	0.68%	19	533	0.72%
Skeletal, very low to medium	0.319	2	4,655	15.72%	2	2,417	14.42%	2	4,417	16.06%	2	11,489	15.55%
Skin, high	0.773	38	5	0.02%	37	6	0.04%	39	6	0.02%	40	17	0.02%
Skin, low	0.487	40	3	0.01%	40	3	0.02%	41	3	0.01%	42	9	0.01%
Skin, very low	0.190	8	1,167	3.94%	7	614	3.66%	8	1,052	3.82%	8	2,833	3.83%
Substance abuse, very low to low	1.082	20	54	0.18%	25	23	0.14%	21	50	0.18%	22	127	0.17%
Population Statistics													
No Classified Disease Categories	N/A	N/A	15,648	52.84%	N/A	9,216	55.00%	N/A	14,531	52.82%	N/A	39,395	53.33%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	328	29.31%	N/A	271	30.80%	N/A	285	26.27%	N/A	884	28.66%
Age 5 to 14 Male	0.957	N/A	296	26.45%	N/A	222	25.23%	N/A	291	26.82%	N/A	809	26.29%
Age 5 to 14 Female	0.953	N/A	310	27.70%	N/A	253	28.75%	N/A	324	29.86%	N/A	887	28.76%
Age 15 to 18 Male	0.944	N/A	92	8.22%	N/A	54	6.14%	N/A	90	8.29%	N/A	236	7.65%
Age 15 to 18 Female	1.321	N/A	93	8.31%	N/A	80	9.09%	N/A	95	8.76%	N/A	268	8.69%
Risk Adjustment Results													
Scored Members													
Member Months		29,612			16,756			27,508			73,876		
Unadjusted Plan Factor		1.011			0.968			1.016			1.003		
Budget Neutral Plan Factor		1.008			0.965			1.012			1.000		
Unscored Members													
Member Months		1,119			880			1,085			3,084		
Unadjusted Plan Factor		0.991			0.994			0.991			0.992		
Budget Neutral Plan Factor		0.999			1.002			1.000			1.000		
Total Members													
Member Months		30,731			17,636			28,593			76,960		
Unadjusted Plan Factor		1.011			0.970			1.015			1.003		
Budget Neutral Plan Factor		1.008			0.967			1.012			1.000		

Exhibit 3H Mississippi Division of Medicaid Risk Adjustment Results MA Children - Central Region - Q1 to Q2 2023 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	34,355	100.00%	N/A	20,266	100.00%	N/A	31,374	100.00%	N/A	85,995	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	7,814	22.74%	N/A	6,557	32.36%	N/A	8,025	25.58%	N/A	22,396	26.04%
Age 5 to 14 Male	0.038	N/A	9,121	26.55%	N/A	5,062	24.98%	N/A	8,207	26.16%	N/A	22,390	26.04%
Age 5 to 14 Female	0.112	N/A	9,553	27.81%	N/A	5,227	25.79%	N/A	8,334	26.56%	N/A	23,114	26.88%
Age 15 to 18 Male	0.000	N/A	3,819	11.12%	N/A	1,692	8.35%	N/A	3,307	10.54%	N/A	8,818	10.25%
Age 15 to 18 Female	0.257	N/A	4,048	11.78%	N/A	1,728	8.53%	N/A	3,501	11.16%	N/A	9,277	10.79%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	228	0.66%	N/A	230	1.13%	N/A	236	0.75%	N/A	694	0.81%
Diagnosis Period Duration, 7 Months	0.098	N/A	242	0.70%	N/A	204	1.01%	N/A	227	0.72%	N/A	673	0.78%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	33,885	98.63%	N/A	19,832	97.86%	N/A	30,911	98.52%	N/A	84,628	98.41%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	2,025	5.89%	N/A	1,522	7.51%	N/A	1,860	5.93%	N/A	5,407	6.29%
Homelessness Category													
Homelessness	1.243	N/A	4	0.01%	N/A	1	0.00%	N/A	2	0.01%	N/A	7	0.01%
Disease Categories													
Cancer, medium to very high	2.895	13	41	0.12%	12	24	0.12%	13	38	0.12%	13	103	0.12%
Cardiovascular, very high	1.724	37	8	0.02%	37	1	0.00%	38	4	0.01%	38	13	0.02%
Cardiovascular, medium	0.733	15	146	0.42%	14	79	0.39%	14	137	0.44%	15	362	0.42%
Cardiovascular, low	0.450	9	369	1.07%	10	180	0.89%	9	352	1.12%	9	901	1.05%
Cardiovascular, extra low	0.412	12	298	0.87%	16	134	0.66%	10	369	1.18%	11	801	0.93%
Cerebrovascular, medium	2.021	41	3	0.01%	36	2	0.01%	40	3	0.01%	40	8	0.01%
CNS, high	2.129	28	17	0.05%	30	6	0.03%	29	14	0.04%	29	37	0.04%
CNS, medium	1.173	26	42	0.12%	27	16	0.08%	24	40	0.13%	24	98	0.11%
CNS, low	0.751	5	571	1.66%	5	337	1.66%	5	538	1.71%	5	1,446	1.68%
DD, medium	6.081	40	1	0.00%	39	0	0.00%	39	1	0.00%	41	2	0.00%
DD, low	1.630	11	79	0.23%	15	35	0.17%	12	74	0.24%	12	188	0.22%
Diabetes, type 1	3.867	7	75	0.22%	7	35	0.17%	7	79	0.25%	7	189	0.22%
Diabetes, type 2	0.479	30	71	0.21%	31	26	0.13%	31	57	0.18%	30	154	0.18%
Eye, very low to extra low	0.256	25	198	0.58%	28	73	0.36%	25	168	0.54%	25	439	0.51%
Gastro, high	3.331	22	21	0.06%	22	11	0.05%	22	18	0.06%	23	50	0.06%
Gastro, medium	1.271	21	58	0.17%	21	29	0.14%	23	47	0.15%	22	134	0.16%
Gastro, low	0.340	4	1,457	4.24%	4	837	4.13%	4	1,356	4.32%	4	3,650	4.24%
Genital, extra low	0.472	18	189	0.55%	13	125	0.62%	18	167	0.53%	18	481	0.56%
Hematological, extra high	3.863	39	2	0.01%	34	2	0.01%	36	3	0.01%	37	7	0.01%
Hematological, very high	3.011	34	6	0.02%	39	0	0.00%	37	3	0.01%	36	9	0.01%
Hematological, low to medium	0.381	16	250	0.73%	17	134	0.66%	17	224	0.71%	16	608	0.71%
Infectious, high to very high	0.682	32	44	0.13%	26	29	0.14%	34	33	0.11%	31	106	0.12%
Infectious, medium	0.176	23	384	1.12%	19	249	1.23%	21	354	1.13%	21	987	1.15%
Metabolic, high	0.754	19	112	0.33%	23	44	0.22%	20	87	0.28%	20	243	0.28%
Metabolic, medium	0.391	27	120	0.35%	24	63	0.31%	28	77	0.25%	27	260	0.30%
Pregnancy, complete	0.277	33	94	0.27%	32	35	0.17%	33	79	0.25%	32	208	0.24%
Pregnancy, incomplete	3.124	10	48	0.14%	9	27	0.13%	11	45	0.14%	10	120	0.14%
Psychiatric, high	3.507	24	16	0.05%	29	4	0.02%	26	9	0.03%	26	29	0.03%
Psychiatric, medium	1.859	6	199	0.58%	6	94	0.46%	6	166	0.53%	6	459	0.53%
Psychiatric, low	0.930	1	5,258	15.30%	1	2,404	11.86%	1	4,618	14.72%	1	12,280	14.28%
Pulmonary, very high	1.975	29	18	0.05%	25	11	0.05%	30	14	0.04%	28	43	0.05%
Pulmonary, medium to high	0.457	14	245	0.71%	11	174	0.86%	15	219	0.70%	14	638	0.74%
Pulmonary, low	0.321	3	2,939	8.55%	3	1,465	7.23%	3	2,695	8.59%	3	7,099	8.26%
Rare Diseases	7.505	31	4	0.01%	39	0	0.00%	35	2	0.01%	35	6	0.01%
Renal, extra high	15.124	36	1	0.00%	39	0	0.00%	27	2	0.01%	34	3	0.00%
Renal, medium	1.178	35	14	0.04%	33	7	0.03%	32	19	0.06%	33	40	0.05%
Renal, low	0.277	20	302	0.88%	18	160	0.79%	19	253	0.81%	19	715	0.83%
Skeletal, very low to medium	0.319	2	4,734	13.78%	2	2,678	13.21%	2	4,621	14.73%	2	12,033	13.99%
Skin, high	0.773	42	5	0.01%	38	1	0.00%	42	3	0.01%	42	9	0.01%
Skin, low	0.487	38	16	0.05%	35	12	0.06%	41	12	0.04%	39	40	0.05%
Skin, very low	0.190	8	1,144	3.33%	8	681	3.36%	8	1,141	3.64%	8	2,966	3.45%
Substance abuse, very low to low	1.082	17	88	0.26%	20	35	0.17%	16	89	0.28%	17	212	0.25%
Population Statistics													
No Classified Disease Categories	N/A	N/A	18,682	54.38%	N/A	11,382	56.16%	N/A	17,081	54.44%	N/A	47,145	54.82%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	345	32.73%	N/A	262	33.33%	N/A	274	30.72%	N/A	881	32.25%
Age 5 to 14 Male	0.957	N/A	274	26.00%	N/A	195	24.81%	N/A	232	26.01%	N/A	701	25.68%
Age 5 to 14 Female	0.953	N/A	280	26.57%	N/A	203	25.83%	N/A	252	28.25%	N/A	735	26.90%
Age 15 to 18 Male	0.944	N/A	72	6.83%	N/A	61	7.76%	N/A	62	6.95%	N/A	195	7.14%
Age 15 to 18 Female	1.321	N/A	83	7.87%	N/A	65	8.27%	N/A	72	8.07%	N/A	220	8.05%
Risk Adjustment Results													
		Magnolia			Molina			United			Total		
Scored Members													
Member Months			34,355			20,266			31,374			85,995	
Unadjusted Plan Factor			1.008			0.954			1.008			0.995	
Budget Neutral Plan Factor			1.013			0.959			1.013			1.000	
Unscored Members													
Member Months			1,054			786			892			2,732	
Unadjusted Plan Factor			0.990			0.991			0.990			0.990	
Budget Neutral Plan Factor			0.999			1.001			1.000			1.000	
Total Members													
Member Months			35,409			21,052			32,266			88,727	
Unadjusted Plan Factor			1.007			0.956			1.007			0.995	
Budget Neutral Plan Factor			1.012			0.961			1.012			1.000	

Exhibit 3I Mississippi Division of Medicaid Risk Adjustment Results MA Children - South Region - Q1 to Q2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.595	N/A	28,355	100.00%	N/A	18,343	100.00%	N/A	30,126	100.00%	N/A	76,824	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	6,163	21.74%	N/A	5,801	31.63%	N/A	6,946	23.06%	N/A	18,910	24.61%
Age 5 to 14 Male	0.038	N/A	7,893	27.84%	N/A	4,619	25.18%	N/A	8,065	26.77%	N/A	20,577	26.78%
Age 5 to 14 Female	0.112	N/A	7,999	28.21%	N/A	4,753	25.91%	N/A	8,261	27.42%	N/A	21,013	27.55%
Age 15 to 18 Male	0.000	N/A	3,029	10.68%	N/A	1,587	8.65%	N/A	3,361	11.16%	N/A	7,977	10.38%
Age 15 to 18 Female	0.257	N/A	3,271	11.54%	N/A	1,583	8.63%	N/A	3,493	11.59%	N/A	8,347	10.87%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	239	0.84%	N/A	218	1.19%	N/A	298	0.99%	N/A	755	0.98%
Diagnosis Period Duration, 7 Months	0.098	N/A	276	0.97%	N/A	228	1.24%	N/A	264	0.88%	N/A	768	1.00%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	27,840	98.18%	N/A	17,897	97.57%	N/A	29,564	98.13%	N/A	75,301	98.02%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	1,584	5.59%	N/A	1,293	7.05%	N/A	1,611	5.35%	N/A	4,488	5.84%
Homelessness Category													
Homelessness	1.243	N/A	2	0.01%	N/A	0	0.00%	N/A	3	0.01%	N/A	5	0.01%
Disease Categories													
Cancer, medium to very high	2.895	14	33	0.12%	9	26	0.14%	12	41	0.14%	11	100	0.13%
Cardiovascular, very high	1.724	39	2	0.01%	37	2	0.01%	39	3	0.01%	40	7	0.01%
Cardiovascular, medium	0.733	13	140	0.49%	14	74	0.40%	14	145	0.48%	14	359	0.47%
Cardiovascular, low	0.450	10	274	0.97%	12	144	0.79%	10	302	1.00%	10	720	0.94%
Cardiovascular, extra low	0.412	15	220	0.78%	15	127	0.69%	11	308	1.02%	13	655	0.85%
Cerebrovascular, medium	2.021	42	1	0.00%	40	0	0.00%	37	9	0.03%	39	10	0.01%
CNS, high	2.129	34	5	0.02%	34	4	0.02%	33	11	0.04%	34	20	0.03%
CNS, medium	1.173	23	49	0.17%	25	29	0.16%	25	49	0.16%	25	127	0.17%
CNS, low	0.751	6	435	1.53%	6	266	1.45%	6	456	1.51%	6	1,157	1.51%
DD, medium	4.081	29	4	0.01%	40	0	0.00%	42	0	0.00%	38	4	0.01%
DD, low	1.630	19	44	0.16%	13	34	0.19%	13	69	0.23%	16	147	0.19%
Diabetes, type 1	3.867	5	133	0.47%	5	52	0.28%	5	148	0.49%	5	333	0.43%
Diabetes, type 2	0.479	32	36	0.13%	32	20	0.11%	32	50	0.17%	32	106	0.14%
Eye, very low to extra low	0.256	27	175	0.62%	27	112	0.61%	27	174	0.58%	26	461	0.60%
Gastro, high	3.331	26	14	0.05%	23	11	0.06%	17	30	0.10%	20	55	0.07%
Gastro, medium	1.271	21	49	0.17%	22	32	0.17%	21	59	0.20%	22	140	0.18%
Gastro, low	0.340	4	1,551	5.47%	4	1,018	5.55%	4	1,811	6.01%	4	4,380	5.70%
Genital, extra low	0.472	16	176	0.62%	16	110	0.60%	19	168	0.56%	17	454	0.59%
Hematological, extra high	3.863	36	2	0.01%	29	6	0.03%	38	3	0.01%	35	11	0.01%
Hematological, very high	3.011	38	2	0.01%	33	3	0.02%	31	9	0.03%	36	14	0.02%
Hematological, low to medium	0.381	20	175	0.62%	21	108	0.59%	20	206	0.68%	19	489	0.64%
Infectious, high to very high	0.682	30	34	0.12%	30	24	0.13%	28	51	0.17%	29	109	0.14%
Infectious, medium	0.176	24	325	1.15%	19	237	1.29%	24	337	1.12%	24	899	1.17%
Metabolic, high	0.754	18	96	0.34%	24	48	0.26%	22	99	0.33%	21	243	0.32%
Metabolic, medium	0.391	25	135	0.48%	17	119	0.65%	23	174	0.58%	23	428	0.56%
Pregnancy, complete	0.277	31	66	0.23%	31	44	0.24%	34	83	0.28%	31	193	0.25%
Pregnancy, incomplete	3.124	9	42	0.15%	11	21	0.11%	9	53	0.18%	9	116	0.15%
Psychiatric, high	3.507	22	17	0.06%	36	1	0.01%	26	14	0.05%	27	32	0.04%
Psychiatric, medium	1.859	7	168	0.59%	7	104	0.57%	7	168	0.56%	7	440	0.57%
Psychiatric, low	0.930	1	5,042	17.78%	1	2,614	14.25%	1	5,535	18.37%	1	13,191	17.17%
Pulmonary, very high	1.975	28	14	0.05%	28	13	0.07%	29	17	0.06%	28	44	0.06%
Pulmonary, medium to high	0.457	11	253	0.89%	10	144	0.79%	15	230	0.76%	12	627	0.82%
Pulmonary, low	0.321	3	2,283	8.05%	3	1,220	6.65%	3	2,386	7.92%	3	5,889	7.67%
Rare Diseases	7.506	37	1	0.00%	26	4	0.02%	35	3	0.01%	30	8	0.01%
Renal, extra high	15.124	33	1	0.00%	40	0	0.00%	30	2	0.01%	33	3	0.00%
Renal, medium	1.178	35	9	0.03%	35	6	0.03%	36	16	0.05%	37	31	0.04%
Renal, low	0.277	17	268	0.95%	20	150	0.82%	18	296	0.98%	18	714	0.93%
Skeletal, very low to medium	0.319	2	3,192	11.26%	2	1,813	9.88%	2	3,410	11.32%	2	8,415	10.95%
Skin, high	0.773	40	4	0.01%	38	3	0.02%	40	6	0.02%	41	13	0.02%
Skin, low	0.487	41	5	0.02%	39	1	0.01%	41	9	0.03%	42	15	0.02%
Skin, very low	0.190	8	1,196	4.22%	8	735	4.01%	8	1,297	4.31%	8	3,228	4.20%
Substance abuse, very low to low	1.082	12	98	0.35%	18	42	0.23%	16	93	0.31%	15	233	0.30%
Population Statistics													
No Classified Disease Categories	N/A	N/A	15,130	53.36%	N/A	10,409	56.75%	N/A	16,112	53.48%	N/A	41,651	54.22%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 4	0.976	N/A	301	30.94%	N/A	293	32.56%	N/A	282	29.68%	N/A	876	31.03%
Age 5 to 14 Male	0.957	N/A	291	29.91%	N/A	232	25.78%	N/A	254	26.74%	N/A	777	27.52%
Age 5 to 14 Female	0.953	N/A	221	22.71%	N/A	229	25.44%	N/A	249	26.21%	N/A	699	24.76%
Age 15 to 18 Male	0.944	N/A	70	7.19%	N/A	71	7.89%	N/A	78	8.21%	N/A	219	7.76%
Age 15 to 18 Female	1.321	N/A	90	9.25%	N/A	75	8.33%	N/A	87	9.16%	N/A	252	8.93%
Risk Adjustment Results													
Scored Members													
		Magnolia			Molina			United			Total		
Member Months		28,355			18,343			30,126			76,824		
Unadjusted Plan Factor		1.036			0.982			1.053			1.030		
Budget Neutral Plan Factor		1.006			0.954			1.022			1.000		
Unscored Members													
Member Months		973			900			950			2,823		
Unadjusted Plan Factor		0.995			0.991			0.994			0.993		
Budget Neutral Plan Factor		1.001			0.998			1.000			1.000		
Total Members													
Member Months		29,328			19,243			31,076			79,647		
Unadjusted Plan Factor		1.035			0.983			1.051			1.029		
Budget Neutral Plan Factor		1.006			0.956			1.022			1.000		

Exhibit 3J Mississippi Division of Medicaid Risk Adjustment Results Ouasi-CHIP - North Region - O1 to O2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.595	N/A	3,740	100.00%	N/A	1,938	100.00%	N/A	3,710	100.00%	N/A	9,388	100.00%
Demographic Categories													
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.038	N/A	1,252	33.49%	N/A	665	34.31%	N/A	1,265	34.31%	N/A	3,182	33.89%
Age 5 to 14 Female	0.112	N/A	1,303	34.84%	N/A	687	35.45%	N/A	1,243	33.50%	N/A	3,233	34.44%
Age 15 to 18 Male	0.000	N/A	577	15.43%	N/A	282	14.55%	N/A	585	15.77%	N/A	1,444	15.38%
Age 15 to 18 Female	0.257	N/A	608	16.26%	N/A	304	15.69%	N/A	617	16.63%	N/A	1,529	16.29%
Duration Category													
Diagnosis Period Duration, 6 Months	0.108	N/A	22	0.59%	N/A	18	0.93%	N/A	24	0.65%	N/A	64	0.68%
Diagnosis Period Duration, 7 Months	0.098	N/A	45	1.20%	N/A	17	0.88%	N/A	34	0.92%	N/A	96	1.02%
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	3,673	98.21%	N/A	1,903	98.19%	N/A	3,652	98.44%	N/A	9,228	98.30%
Non-Utilizer Category													
No Base Period Medical Utilization	(0.410)	N/A	187	5.00%	N/A	126	6.50%	N/A	190	5.12%	N/A	503	5.36%
Homelessness Category													
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Disease Categories													
Cancer, medium to very high	2.895	20	3	0.08%	15	2	0.10%	13	4	0.11%	16	9	0.10%
Cardiovascular, very high	1.724	37	0	0.00%	33	0	0.00%	35	1	0.03%	39	1	0.01%
Cardiovascular, medium	0.733	14	20	0.53%	17	6	0.31%	22	11	0.30%	14	37	0.39%
Cardiovascular, low	0.450	10	42	1.12%	9	21	1.08%	10	40	1.08%	9	103	1.10%
Cardiovascular, extra low	0.412	11	42	1.12%	10	18	0.93%	9	45	1.21%	10	105	1.12%
Cerebrovascular, medium	2.021	35	1	0.03%	33	0	0.00%	36	0	0.00%	38	1	0.01%
CNS, high	2.129	33	1	0.03%	25	1	0.05%	26	3	0.08%	29	5	0.05%
CNS, medium	1.173	16	9	0.24%	16	4	0.21%	18	8	0.22%	18	21	0.22%
CNS, low	0.751	6	35	0.94%	7	21	1.08%	7	42	1.13%	7	98	1.04%
DD, medium	0.681	37	0	0.00%	14	1	0.05%	36	1	0.00%	34	1	0.01%
DD, low	1.630	13	9	0.24%	22	2	0.10%	12	8	0.22%	13	19	0.20%
Diabetes, type 1	3.867	4	11	0.29%	4	7	0.36%	4	14	0.38%	4	32	0.34%
Diabetes, type 2	0.479	27	11	0.29%	24	5	0.26%	32	7	0.19%	28	23	0.24%
Eye, very low to extra low	0.256	21	30	0.80%	26	8	0.41%	29	19	0.51%	25	57	0.61%
Gastro, high	3.331	24	2	0.05%	21	1	0.05%	16	3	0.08%	21	6	0.06%
Gastro, medium	1.271	9	15	0.40%	11	5	0.26%	19	7	0.19%	12	27	0.29%
Gastro, low	0.340	5	122	3.26%	6	55	2.84%	5	124	3.34%	5	301	3.21%
Genital, extra low	0.472	25	12	0.32%	19	9	0.46%	15	22	0.59%	20	43	0.46%
Hematological, extra high	3.863	37	0	0.00%	33	0	0.00%	31	1	0.03%	36	1	0.01%
Hematological, very high	3.011	37	0	0.00%	33	0	0.00%	36	0	0.00%	40	0	0.00%
Hematological, low to medium	0.381	29	11	0.29%	23	7	0.36%	20	22	0.59%	24	40	0.43%
Infectious, high to very high	0.682	26	8	0.21%	30	2	0.10%	30	7	0.19%	27	17	0.18%
Infectious, medium	0.176	34	12	0.32%	32	4	0.21%	34	12	0.32%	35	28	0.30%
Metabolic, high	0.754	15	19	0.51%	20	5	0.26%	21	11	0.30%	15	35	0.37%
Metabolic, medium	0.391	30	8	0.21%	27	5	0.26%	28	13	0.35%	30	26	0.28%
Pregnancy, complete	0.277	31	10	0.27%	28	7	0.36%	33	9	0.24%	33	20	0.28%
Pregnancy, incomplete	3.124	12	5	0.13%	12	2	0.10%	11	5	0.13%	11	12	0.13%
Psychiatric, high	3.507	17	3	0.08%	33	0	0.00%	25	2	0.05%	22	5	0.05%
Psychiatric, medium	1.859	8	11	0.29%	5	14	0.72%	6	21	0.57%	6	46	0.49%
Psychiatric, low	0.930	1	694	18.56%	1	328	16.92%	1	733	19.76%	1	1,755	18.69%
Pulmonary, very high	1.975	36	1	0.03%	33	0	0.00%	23	4	0.11%	31	5	0.05%
Pulmonary, medium to high	0.457	19	19	0.51%	29	3	0.15%	24	16	0.43%	23	38	0.40%
Pulmonary, low	0.321	3	337	9.01%	3	136	7.02%	3	292	7.87%	3	765	8.15%
Rare Diseases	7.506	23	1	0.03%	33	0	0.00%	36	0	0.00%	32	1	0.01%
Renal, extra high	15.124	37	0	0.00%	33	0	0.00%	36	0	0.00%	40	0	0.00%
Renal, medium	1.178	28	4	0.11%	31	1	0.05%	27	5	0.13%	26	10	0.11%
Renal, low	0.277	18	34	0.91%	13	22	1.14%	17	36	0.97%	17	92	0.98%
Skeletal, very low to medium	0.319	2	692	18.50%	2	284	14.65%	2	648	17.47%	2	1,624	17.30%
Skin, high	0.773	32	3	0.08%	33	0	0.00%	36	0	0.00%	37	3	0.03%
Skin, low	0.487	37	0	0.00%	33	0	0.00%	36	0	0.00%	40	0	0.00%
Skin, very low	0.190	7	137	3.66%	8	69	3.56%	8	162	4.37%	8	368	3.92%
Substance abuse, very low to low	1.082	22	7	0.19%	18	4	0.21%	14	10	0.27%	19	21	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,917	51.26%	N/A	1,069	55.16%	N/A	1,903	51.29%	N/A	4,889	52.08%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 5 to 14 Male	0.957	N/A	45	44.12%	N/A	42	45.65%	N/A	45	36.29%	N/A	132	41.51%
Age 5 to 14 Female	0.953	N/A	35	34.31%	N/A	27	29.35%	N/A	50	40.32%	N/A	112	35.22%
Age 15 to 18 Male	0.944	N/A	14	13.73%	N/A	9	9.78%	N/A	18	14.52%	N/A	41	12.89%
Age 15 to 18 Female	1.321	N/A	8	7.84%	N/A	14	15.22%	N/A	11	8.87%	N/A	33	10.38%
Risk Adjustment Results													
Magnolia				Molina			United			Total			
Scored Members				Member Months			Member Months			Member Months			
Member Months				3,740			1,938			9,388			
Unadjusted Plan Factor				1.034			0.989			1.046			
Budget Neutral Plan Factor				1.004			0.961			1.016			
Unscored Members				Member Months			Member Months			Member Months			
Member Months				102			92			318			
Unadjusted Plan Factor				0.982			1.010			0.991			
Budget Neutral Plan Factor				0.991			1.018			1.000			
Total Members				Member Months			Member Months			Member Months			
Member Months				3,842			2,030			9,706			
Unadjusted Plan Factor				1.032			0.991			1.044			
Budget Neutral Plan Factor				1.004			0.963			1.016			

Exhibit 3K																
Mississippi Division of Medicaid																
Risk Adjustment Results																
Quasi-CHIP - Central Region- 01 to 02 2025 Prospective Risk Scores																
SFY 2024 Diagnosis Period - October 2024 Enrollment Period																
Scored Members																
	Risk Weight	Magnolia			Molina			United			Total					
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months			
Regression Intercept	0.595	N/A	4,337	100.00%	N/A	2,117	100.00%	N/A	4,097	100.00%	N/A	10,551	100.00%			
Demographic Categories																
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%			
Age 5 to 14 Male	0.038	N/A	1,465	33.78%	N/A	731	34.53%	N/A	1,340	32.71%	N/A	3,536	33.51%			
Age 5 to 14 Female	0.112	N/A	1,422	32.79%	N/A	730	34.48%	N/A	1,355	33.07%	N/A	3,507	33.24%			
Age 15 to 18 Male	0.000	N/A	710	16.37%	N/A	325	15.35%	N/A	698	17.04%	N/A	1,733	16.42%			
Age 15 to 18 Female	0.257	N/A	740	17.06%	N/A	331	15.64%	N/A	704	17.18%	N/A	1,775	16.82%			
Duration Category																
Diagnosis Period Duration, 6 Months	0.108	N/A	25	0.58%	N/A	11	0.52%	N/A	15	0.37%	N/A	51	0.48%			
Diagnosis Period Duration, 7 Months	0.098	N/A	22	0.51%	N/A	30	1.42%	N/A	23	0.56%	N/A	75	0.71%			
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	4,290	98.92%	N/A	2,076	98.06%	N/A	4,059	99.07%	N/A	10,425	98.81%			
Non-Utilizer Category																
No Base Period Medical Utilization	(0.410)	N/A	177	4.08%	N/A	152	7.18%	N/A	178	4.34%	N/A	507	4.81%			
Homelessness Category																
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%			
Disease Categories																
Cancer, medium to very high	2.895	13	6	0.14%	10	4	0.19%	8	9	0.22%	11	19	0.18%			
Cardiovascular, very high	1.724	39	0	0.00%	26	1	0.05%	32	1	0.02%	37	2	0.02%			
Cardiovascular, medium	0.733	11	27	0.62%	14	11	0.52%	14	18	0.44%	13	56	0.53%			
Cardiovascular, low	0.450	10	50	1.15%	11	23	1.09%	11	49	1.20%	12	122	1.16%			
Cardiovascular, extra low	0.412	9	56	1.29%	13	21	0.99%	9	63	1.54%	9	140	1.33%			
Cerebrovascular, medium	2.021	34	1	0.02%	34	0	0.00%	36	0	0.00%	39	1	0.01%			
CNS, high	2.129	33	1	0.02%	23	1	0.05%	29	1	0.02%	30	3	0.03%			
CNS, medium	1.173	14	13	0.30%	9	11	0.52%	18	8	0.20%	14	32	0.30%			
CNS, low	0.751	4	76	1.75%	7	22	1.04%	5	58	1.42%	4	156	1.48%			
DD, medium	6.081	26	1	0.02%	34	0	0.00%	36	0	0.00%	31	1	0.01%			
DD, low	1.630	21	6	0.14%	22	2	0.09%	13	9	0.22%	15	17	0.16%			
Diabetes, type 1	3.867	7	8	0.18%	4	7	0.33%	7	10	0.24%	6	25	0.24%			
Diabetes, type 2	0.479	28	10	0.23%	28	3	0.14%	25	10	0.24%	26	23	0.22%			
Eye, very low to extra low	0.256	18	42	0.97%	25	7	0.33%	22	32	0.78%	21	81	0.77%			
Gastro, high	3.331	25	2	0.05%	20	1	0.05%	27	1	0.02%	25	4	0.04%			
Gastro, medium	1.271	20	8	0.18%	17	4	0.19%	15	8	0.20%	16	20	0.19%			
Gastro, low	0.340	5	128	2.95%	6	53	2.50%	6	125	3.05%	5	306	2.90%			
Genital, extra low	0.472	16	23	0.53%	21	7	0.33%	23	13	0.32%	22	43	0.41%			
Hematological, extra high	3.863	39	0	0.00%	34	0	0.00%	26	1	0.02%	35	1	0.01%			
Hematological, very high	3.011	39	0	0.00%	34	0	0.00%	36	0	0.00%	41	0	0.00%			
Hematological, low to medium	0.381	27	15	0.35%	18	13	0.61%	20	23	0.56%	23	51	0.48%			
Infectious, high to very high	0.682	29	6	0.14%	24	3	0.14%	28	4	0.10%	29	13	0.12%			
Infectious, medium	0.176	36	6	0.14%	32	5	0.24%	30	12	0.29%	34	23	0.22%			
Metabolic, high	0.754	23	11	0.25%	19	6	0.28%	21	11	0.27%	20	28	0.27%			
Metabolic, medium	0.391	31	10	0.23%	27	4	0.19%	24	13	0.32%	27	27	0.26%			
Pregnancy, complete	0.277	32	11	0.25%	33	3	0.14%	35	4	0.10%	33	18	0.17%			
Pregnancy, incomplete	3.124	12	6	0.14%	8	5	0.24%	12	7	0.17%	10	18	0.17%			
Psychiatric, high	3.507	19	3	0.07%	34	0	0.00%	36	0	0.00%	28	3	0.03%			
Psychiatric, medium	1.859	6	18	0.42%	5	10	0.47%	4	24	0.59%	7	52	0.49%			
Psychiatric, low	0.930	1	821	18.93%	1	350	16.53%	1	715	17.45%	1	1,886	17.88%			
Pulmonary, very high	1.975	30	2	0.05%	34	0	0.00%	31	1	0.02%	32	3	0.03%			
Pulmonary, medium to high	0.457	24	18	0.42%	31	2	0.09%	19	20	0.49%	24	40	0.38%			
Pulmonary, low	0.321	3	402	9.27%	3	172	8.12%	3	355	8.66%	3	929	8.80%			
Rare Diseases	7.506	15	2	0.05%	15	1	0.05%	36	0	0.00%	18	3	0.03%			
Renal, extra high	15.124	39	0	0.00%	34	0	0.00%	36	0	0.00%	41	0	0.00%			
Renal, medium	1.178	35	1	0.02%	29	1	0.05%	34	1	0.02%	36	3	0.03%			
Renal, low	0.277	22	35	0.81%	16	22	1.04%	17	34	0.83%	17	91	0.86%			
Skeletal, very low to medium	0.319	2	660	15.22%	2	269	12.71%	2	614	14.99%	2	1,543	14.62%			
Skin, high	0.773	38	1	0.02%	34	0	0.00%	33	2	0.05%	38	3	0.03%			
Skin, low	0.487	37	2	0.05%	34	0	0.00%	36	0	0.00%	40	2	0.02%			
Skin, very low	0.190	8	147	3.39%	12	53	2.50%	10	123	3.00%	8	323	3.06%			
Substance abuse, very low to low	1.082	17	10	0.23%	30	1	0.05%	16	9	0.22%	19	20	0.19%			
Population Statistics																
No Classified Disease Categories	N/A	N/A	2,329	53.70%	N/A	1,177	55.60%	N/A	2,261	55.19%	N/A	5,767	54.66%			
Unscored Members																
	Risk Weight	Magnolia			Molina			United			Total					
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months			
Demographic Categories																
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%			
Age 5 to 14 Male	0.957	N/A	27	37.50%	N/A	19	31.67%	N/A	34	35.79%	N/A	80	35.24%			
Age 5 to 14 Female	0.953	N/A	27	37.50%	N/A	23	38.33%	N/A	34	35.79%	N/A	84	37.00%			
Age 15 to 18 Male	0.944	N/A	8	11.11%	N/A	7	11.67%	N/A	9	9.47%	N/A	24	10.57%			
Age 15 to 18 Female	1.321	N/A	10	13.89%	N/A	11	18.33%	N/A	18	18.95%	N/A	39	17.18%			
Risk Adjustment Results																
		Magnolia			Molina			United			Total					
Scored Members		Unscored Members			Scored Members			Unscored Members			Scored Members			Unscored Members		
Member Months		4,337			2,117			4,097			10,551					
Unadjusted Plan Factor		1.033			0.979			1.013			1.014					
Budget Neutral Plan Factor		1.018			0.965			0.999			1.000					
Unscored Members		Scored Members			Unscored Members			Scored Members			Unscored Members					
Member Months		72			60			95			227					
Unadjusted Plan Factor		1.004			1.021			1.023			1.016					
Budget Neutral Plan Factor		0.988			1.004			1.007			1.000					
Total Members		Unscored Members			Scored Members			Unscored Members			Scored Members					
Member Months		4,409			2,177			4,192			10,778					
Unadjusted Plan Factor		1.032			0.980			1.014			1.014					
Budget Neutral Plan Factor		1.018			0.966			0.999			1.000					

Exhibit 3L Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - South Region - Q1 to Q2 2025 Prospective Risk Scores SFY 2024 Diagnosis Period - October 2024 Enrollment Period															
Scored Members															
	Risk Weight	Magnolia			Molina			United			Total				
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months		
Regression Intercept	0.595	N/A	3,217	100.00%	N/A	1,965	100.00%	N/A	3,573	100.00%	N/A	8,755	100.00%		
Demographic Categories															
Age 1 to 4	0.168	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%		
Age 5 to 14 Male	0.038	N/A	1,119	34.79%	N/A	684	34.81%	N/A	1,245	34.81%	N/A	3,048	34.81%		
Age 5 to 14 Female	0.112	N/A	1,038	32.27%	N/A	695	35.37%	N/A	1,204	33.70%	N/A	2,937	33.55%		
Age 15 to 18 Male	0.000	N/A	542	16.85%	N/A	299	15.22%	N/A	560	15.67%	N/A	1,401	16.00%		
Age 15 to 18 Female	0.257	N/A	518	16.10%	N/A	287	14.61%	N/A	564	15.79%	N/A	1,369	15.64%		
Duration Category															
Diagnosis Period Duration, 6 Months	0.108	N/A	26	0.81%	N/A	9	0.46%	N/A	19	0.53%	N/A	54	0.62%		
Diagnosis Period Duration, 7 Months	0.098	N/A	19	0.59%	N/A	23	1.17%	N/A	28	0.78%	N/A	70	0.80%		
Diagnosis Period Duration, 8 to 12 Months	0.000	N/A	3,172	98.60%	N/A	1,933	98.37%	N/A	3,526	98.68%	N/A	8,631	98.58%		
Non-Utilizer Category															
No Base Period Medical Utilization	(0.410)	N/A	167	5.19%	N/A	161	8.19%	N/A	180	5.04%	N/A	508	5.80%		
Homelessness Category															
Homelessness	1.243	N/A	0	0.00%	N/A	0	0.00%	N/A	1	0.03%	N/A	1	0.01%		
Disease Categories															
Cancer, medium to very high	2.895	10	6	0.19%	19	2	0.10%	12	6	0.17%	11	14	0.16%		
Cardiovascular, very high	1.724	37	0	0.00%	33	0	0.00%	36	0	0.00%	39	0	0.00%		
Cardiovascular, medium	0.733	22	11	0.34%	12	10	0.51%	18	16	0.45%	19	37	0.42%		
Cardiovascular, low	0.450	15	30	0.93%	18	13	0.66%	20	26	0.73%	14	69	0.79%		
Cardiovascular, extra low	0.412	14	34	1.06%	9	24	1.22%	9	55	1.54%	9	113	1.29%		
Cerebrovascular, medium	2.021	37	0	0.00%	33	0	0.00%	36	0	0.00%	39	0	0.00%		
CNS, high	2.129	25	3	0.09%	17	3	0.15%	11	9	0.25%	13	15	0.17%		
CNS, medium	1.173	19	8	0.25%	10	8	0.41%	19	10	0.28%	16	26	0.30%		
CNS, low	0.751	7	38	1.18%	8	17	0.87%	7	38	1.06%	7	93	1.06%		
DD, medium	6.081	37	0	0.00%	33	0	0.00%	36	0	0.00%	39	0	0.00%		
DD, low	1.630	21	5	0.16%	16	4	0.20%	15	9	0.25%	18	18	0.21%		
Diabetes, type 1	3.867	3	27	0.84%	4	7	0.36%	3	27	0.76%	3	61	0.70%		
Diabetes, type 2	0.479	33	6	0.19%	28	4	0.20%	31	7	0.19%	33	17	0.19%		
Eye, very low to extra low	0.256	29	16	0.50%	29	6	0.31%	26	24	0.67%	30	46	0.53%		
Gastro, high	3.331	18	3	0.09%	14	2	0.10%	24	2	0.06%	21	7	0.08%		
Gastro, medium	1.271	11	12	0.37%	11	7	0.36%	25	5	0.14%	15	24	0.27%		
Gastro, low	0.340	5	137	4.26%	5	74	3.77%	5	156	4.37%	5	367	4.19%		
Genital, extra low	0.472	23	14	0.44%	21	10	0.51%	22	19	0.53%	24	43	0.49%		
Hematological, extra high	3.863	30	1	0.03%	23	1	0.05%	36	0	0.00%	34	2	0.02%		
Hematological, very high	3.011	26	2	0.06%	33	0	0.00%	27	2	0.06%	29	4	0.05%		
Hematological, low to medium	0.381	24	17	0.53%	27	6	0.31%	29	12	0.34%	27	35	0.40%		
Infectious, high to very high	0.682	32	5	0.16%	26	4	0.20%	32	4	0.11%	32	13	0.15%		
Infectious, medium	0.176	36	6	0.19%	32	5	0.25%	33	10	0.28%	36	21	0.24%		
Metabolic, high	0.754	20	11	0.34%	30	2	0.10%	17	16	0.45%	22	29	0.33%		
Metabolic, medium	0.391	28	13	0.40%	25	7	0.36%	28	13	0.36%	28	33	0.38%		
Pregnancy, complete	0.277	34	6	0.19%	31	5	0.25%	34	6	0.17%	35	17	0.19%		
Pregnancy, incomplete	3.124	9	6	0.19%	24	1	0.05%	10	7	0.20%	10	14	0.16%		
Psychiatric, high	3.507	31	1	0.03%	13	2	0.10%	21	3	0.08%	23	6	0.07%		
Psychiatric, medium	1.859	6	17	0.53%	7	7	0.36%	6	18	0.50%	6	42	0.48%		
Psychiatric, low	0.930	1	733	22.79%	1	418	21.27%	1	890	24.91%	1	2,041	23.31%		
Pulmonary, very high	1.975	27	3	0.09%	33	0	0.00%	30	2	0.06%	31	5	0.06%		
Pulmonary, medium to high	0.457	17	23	0.71%	20	12	0.61%	16	31	0.87%	17	66	0.75%		
Pulmonary, low	0.321	4	246	7.65%	3	132	6.72%	4	278	7.78%	4	656	7.49%		
Rare Diseases	7.505	37	0	0.00%	33	0	0.00%	14	2	0.06%	26	2	0.02%		
Renal, extra high	15.124	13	1	0.03%	33	0	0.00%	36	0	0.00%	25	1	0.01%		
Renal, medium	1.178	35	1	0.03%	33	0	0.00%	37	0	0.00%	37	0	0.00%		
Renal, low	0.277	16	41	1.27%	15	24	1.22%	23	31	0.87%	20	96	1.10%		
Skeletal, very low to medium	0.319	2	398	12.37%	2	213	10.84%	2	423	11.84%	2	1,034	11.81%		
Skin, high	0.773	37	0	0.00%	33	0	0.00%	35	1	0.03%	38	1	0.01%		
Skin, low	0.487	37	0	0.00%	33	0	0.00%	36	0	0.00%	39	0	0.00%		
Skin, very low	0.190	8	149	4.63%	6	74	3.77%	8	127	3.55%	8	350	4.00%		
Substance abuse, very low to low	1.082	12	14	0.44%	22	4	0.20%	13	15	0.42%	12	33	0.38%		
Population Statistics															
No Classified Disease Categories	N/A	N/A	1,679	52.19%	N/A	1,015	51.65%	N/A	1,799	50.35%	N/A	4,493	51.32%		
Unscored Members															
	Risk Weight	Magnolia			Molina			United			Total				
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months		
Demographic Categories															
Age 1 to 4	0.976	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%		
Age 5 to 14 Male	0.957	N/A	25	28.41%	N/A	22	36.67%	N/A	40	33.33%	N/A	87	32.46%		
Age 5 to 14 Female	0.953	N/A	33	37.50%	N/A	14	23.33%	N/A	41	34.17%	N/A	88	32.84%		
Age 15 to 18 Male	0.944	N/A	8	9.09%	N/A	13	21.67%	N/A	21	17.50%	N/A	42	15.67%		
Age 15 to 18 Female	1.321	N/A	22	25.00%	N/A	11	18.33%	N/A	18	15.00%	N/A	51	19.03%		
Risk Adjustment Results															
Magnolia				Molina				United				Total			
Scored Members				Unscored Members				Unscored Members				Total			
Member Months				Member Months				Member Months				Member Months			
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor			
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor			
Unscored Members				Total Members				Total Members				Total Members			
Member Months				Member Months				Member Months				Member Months			
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor			
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor			

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
October 2024 Snapshot Period

North Region									
Description			Magnolia		Molina		United		Total
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months % of Member Months
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	100.00%
Money Code 2	CWS Foster Care	1.433	284	18.66%	49	20.08%	93	18.98%	426 18.88%
Money Code 3	Receiving IV-E Assistance	0.938	249	16.36%	49	20.08%	75	15.31%	373 16.53%
Money Code 4	Receiving IV-E Subadoption Ast	0.145	929	61.04%	137	56.15%	289	58.98%	1,355 60.06%
Other	All other Money Codes	0.000	60	3.94%	9	3.69%	33	6.73%	102 4.52%
Unadjusted Plan Factor			0.946		0.994		0.938		0.950
Member Months			1,522		244		490		2,256
Budget Neutral Plan Factor			0.996		1.047		0.988		1.000

Central Region									
Description			Magnolia		Molina		United		Total
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months % of Member Months
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	100.00%
Money Code 2	CWS Foster Care	1.433	291	18.75%	75	25.08%	74	17.05%	440 19.26%
Money Code 3	Receiving IV-E Assistance	0.938	339	21.84%	80	26.76%	116	26.73%	535 23.41%
Money Code 4	Receiving IV-E Subadoption Ast	0.145	872	56.19%	134	44.82%	216	49.77%	1,222 53.48%
Other	All other Money Codes	0.000	50	3.22%	10	3.34%	28	6.45%	88 3.85%
Unadjusted Plan Factor			0.992		1.112		1.004		1.010
Member Months			1,552		299		434		2,285
Budget Neutral Plan Factor			0.982		1.101		0.994		1.000

South Region									
Description			Magnolia		Molina		United		Total
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months % of Member Months
Intercept	Regression Intercept	0.437		100.00%		100.00%		100.00%	100.00%
Money Code 2	CWS Foster Care	1.433	296	13.74%	87	19.33%	101	14.92%	484 14.75%
Money Code 3	Receiving IV-E Assistance	0.938	388	18.01%	113	25.11%	130	19.20%	631 19.23%
Money Code 4	Receiving IV-E Subadoption Ast	0.145	1,376	63.88%	236	52.44%	392	57.90%	2,004 61.08%
Other	All other Money Codes	0.000	94	4.36%	14	3.11%	54	7.98%	162 4.94%
Unadjusted Plan Factor			0.895		1.025		0.915		0.917
Member Months			2,154		450		677		3,281
Budget Neutral Plan Factor			0.976		1.118		0.997		1.000

Exhibit 4A Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024 Custom Risk Weights - Non-Newborn SSI / Disabled Rate Cell						
Model R-Squared: 29.5%						
Risk Weight Category	CY 2023 Member Months ¹	Scored Member Coefficient	Scored Member Model Metrics			Unscored Member Coefficient ³
			Prevalence	P-Value	Population Risk Score ²	
Regression Intercept	686,830	0.113	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	27,989	0.470	4.1%	N/A	1.364	1.364
Age 5 to 14 Male	82,498	0.184	12.0%	N/A	0.701	0.701
Age 5 to 14 Female	37,790	0.265	5.5%	N/A	0.872	0.872
Age 15 to 24 Male	64,121	0.000	9.3%	N/A	0.522	0.522
Age 15 to 24 Female	34,985	0.187	5.1%	N/A	0.831	0.831
Age 25 to 44 Male	80,695	0.003	11.7%	N/A	0.797	0.797
Age 25 to 44 Female	71,681	0.133	10.4%	N/A	1.120	1.120
Age 45 and Older Male	127,940	0.107	18.6%	N/A	1.188	1.188
Age 45 and Older Female	159,131	0.027	23.2%	N/A	1.249	1.249
Duration						
Diagnosis Period Duration, 6 to 7 Months	4,733	0.382	0.7%	0.000	1.320	N/A
Diagnosis Period Duration, 8 Months	2,773	0.320	0.4%	0.001	1.271	N/A
Diagnosis Period Duration, 9 to 11 Months	7,851	0.167	1.1%	0.004	1.340	N/A
Diagnosis Period Duration, 12 Months	671,473	0.000	97.8%	N/A	0.993	N/A
Homelessness						
Homelessness	5,632	0.931	0.8%	0.000	2.921	N/A
Disease Categories						
Cancer, very high	3,864	3.067	0.6%	0.000	5.033	N/A
Cancer, high	8,697	0.816	1.3%	0.000	2.519	N/A
Cancer, medium	12,472	0.611	1.8%	0.000	2.343	N/A
Cancer, low	7,519	0.318	1.1%	0.000	1.794	N/A
Cardiovascular, very high	4,821	1.460	0.7%	0.000	5.286	N/A
Cardiovascular, medium	78,617	0.584	11.4%	0.000	2.228	N/A
Cardiovascular, extra low to low	226,545	0.081	33.0%	0.000	1.115	N/A
Cerebrovascular, medium	11,081	0.115	1.6%	0.022	1.965	N/A
CNS, high	7,154	0.781	1.0%	0.000	2.878	N/A
CNS, medium	18,733	0.479	2.7%	0.000	1.839	N/A
CNS, low	123,627	0.243	18.0%	0.000	1.574	N/A
DD, low to medium	30,775	0.174	4.5%	0.000	1.252	N/A
Diabetes, type 1	10,180	0.862	1.5%	0.000	2.596	N/A
Diabetes, type 2	100,327	0.199	14.6%	0.000	1.596	N/A
Gastro, high	11,125	0.320	1.6%	0.000	3.363	N/A
Gastro, medium	29,419	0.268	4.3%	0.000	2.041	N/A
Gastro, low	124,224	0.135	18.1%	0.000	1.528	N/A
Hematological, extra high	12	4.752	0.0%	0.001	9.015	N/A
Hematological, medium to very high	13,267	0.931	1.9%	0.000	3.061	N/A
Hematological, low	10,527	0.370	1.5%	0.000	3.024	N/A
Infectious, high to very high	21,565	0.300	3.1%	0.000	2.374	N/A
Infectious, low to medium	25,862	0.188	3.8%	0.000	2.260	N/A
Metabolic, high	18,367	0.468	2.7%	0.000	2.576	N/A
Metabolic, medium	47,448	0.239	6.9%	0.000	2.349	N/A
Pregnancy, complete	5,329	0.173	0.8%	0.016	1.203	N/A
Pregnancy, incomplete	1,736	0.841	0.3%	0.000	1.941	N/A
Psychiatric, high	53,414	0.643	7.8%	0.000	1.568	N/A
Psychiatric, low to medium	282,160	0.225	41.1%	0.000	1.126	N/A
Pulmonary, very high	13,937	0.816	2.0%	0.000	3.257	N/A
Pulmonary, high	1,817	0.481	0.3%	0.000	2.577	N/A
Pulmonary, medium	32,635	0.472	4.8%	0.000	2.534	N/A
Pulmonary, low	105,596	0.131	15.4%	0.000	1.273	N/A
Rare Diseases	723	2.664	0.1%	0.000	4.594	N/A
Renal, extra high	4,153	4.191	0.6%	0.000	6.896	N/A
Renal, medium	27,425	0.362	4.0%	0.000	2.168	N/A
Renal, low	29,489	0.277	4.3%	0.000	1.870	N/A
Skeletal, medium	166,182	0.254	24.2%	0.000	1.595	N/A
Skeletal, very low to low	62,828	0.070	9.1%	0.002	1.374	N/A
Skin, low to high	11,851	0.624	1.7%	0.000	2.976	N/A
Skin, very low	47,331	0.169	6.9%	0.000	1.592	N/A
Substance abuse, low	45,757	0.324	6.7%	0.000	1.972	N/A
Substance abuse, very low	15,131	0.202	2.2%	0.000	1.694	N/A
Disabled Children Add-On						
Disabled Children Add-On - CNS, high	1,830	1.388	0.3%	0.000	4.287	N/A
Disabled Children Add-On - Gastro, high	5,933	1.508	0.9%	0.000	3.911	N/A
Disabled Children Add-On - Pulmonary, very high	2,933	0.419	0.4%	0.000	3.866	N/A

¹ CY 2023 member months satisfying the regression criteria.
² Reflects the average total risk score for all members associated with the given variable.
³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4B			
Mississippi Division of Medicaid			
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - Non-Newborn SSI / Disabled Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, very high	3.067
CANH	Cancer, high	Cancer, high	0.816
CANM	Cancer, medium	Cancer, medium	0.611
CANL	Cancer, low	Cancer, low	0.318
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.460
CARM	Cardiovascular, medium	Cardiovascular, medium	0.584
CARL	Cardiovascular, low	Cardiovascular, extra low to low	0.081
CAREL	Cardiovascular, extra low	Cardiovascular, extra low to low	0.081
CERM	Cerebrovascular, medium	Cerebrovascular, medium	0.115
CNSH	CNS, high	CNS, high	0.781
CNSM	CNS, medium	CNS, medium	0.479
CNSL	CNS, low	CNS, low	0.243
DDM	DD, medium	DD, low to medium	0.174
DDL	DD, low	DD, low to medium	0.174
DIA1	Diabetes, type 1	Diabetes, type 1	0.862
DIA2	Diabetes, type 2	Diabetes, type 2	0.199
EYEL	Eye, low	Not Used	Not Used
EYEVL	Eye, very low	Not Used	Not Used
GIH	Gastro, high	Gastro, high	0.320
GIM	Gastro, medium	Gastro, medium	0.268
GIL	Gastro, low	Gastro, low	0.135
GENEL	Genital, extra low	Not Used	Not Used
HEMEH	Hematological, extra high	Hematological, extra high	4.752
HEMVH	Hematological, very high	Hematological, medium to very high	0.931
HEMM	Hematological, medium	Hematological, medium to very high	0.931
HEML	Hematological, low	Hematological, low	0.370
INFVH	Infectious, very high	Infectious, high to very high	0.300
INFH	Infectious, high	Infectious, high to very high	0.300
INFM	Infectious, medium	Infectious, low to medium	0.188
INFL	Infectious, low	Infectious, low to medium	0.188
METH	Metabolic, high	Metabolic, high	0.468
METM	Metabolic, medium	Metabolic, medium	0.239
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.173
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.841
PSYH	Psychiatric, high	Psychiatric, high	0.643
PSYM	Psychiatric, medium	Psychiatric, low to medium	0.225
PSYL	Psychiatric, low	Psychiatric, low to medium	0.225
PULVH	Pulmonary, very high	Pulmonary, very high	0.816
PULH	Pulmonary, high	Pulmonary, high	0.481
PULM	Pulmonary, medium	Pulmonary, medium	0.472
PULL	Pulmonary, low	Pulmonary, low	0.131
RENEH	Renal, extra high	Renal, extra high	4.191
RENM	Renal, medium	Renal, medium	0.362
RENL	Renal, low	Renal, low	0.277
SKCM	Skeletal, medium	Skeletal, medium	0.254
SKCL	Skeletal, low	Skeletal, very low to low	0.070
SKCVL	Skeletal, very low	Skeletal, very low to low	0.070
SKNH	Skin, high	Skin, low to high	0.624
SKNL	Skin, low	Skin, low to high	0.624
SKNVL	Skin, very low	Skin, very low	0.169
SUBL	Substance abuse, low	Substance abuse, low	0.324
SUBVL	Substance abuse, very low	Substance abuse, very low	0.202
CCARVH	Disabled Children Add-On - Cardiovascular, very high	Not Used	Not Used
CCARM	Disabled Children Add-On - Cardiovascular, medium	Not Used	Not Used
CCNSH	Disabled Children Add-On - CNS, high	Disabled Children Add-On - CNS, high	1.388
CDDM	Disabled Children Add-On - DD, medium	Not Used	Not Used
CDIA1	Disabled Children Add-On - Diabetes, type 1	Not Used	Not Used
CGIH	Disabled Children Add-On - Gastro, high	Disabled Children Add-On - Gastro, high	1.508
CHEMEH	Disabled Children Add-On - Hematological, extra high	Not Used	Not Used
CHEMVH	Disabled Children Add-On - Hematological, very high	Not Used	Not Used
CINFVH	Disabled Children Add-On - Infectious, very high	Not Used	Not Used
CINFH	Disabled Children Add-On - Infectious, high	Not Used	Not Used
CINFM	Disabled Children Add-On - Infectious, medium	Not Used	Not Used
CMETH	Disabled Children Add-On - Metabolic, high	Not Used	Not Used
CMETM	Disabled Children Add-On - Metabolic, medium	Not Used	Not Used
CPSYH	Disabled Children Add-On - Psychiatric, high	Not Used	Not Used
CPSYM	Disabled Children Add-On - Psychiatric, medium	Not Used	Not Used
CPULVH	Disabled Children Add-On - Pulmonary, very high	Disabled Children Add-On - Pulmonary, very high	0.419
CRENEH	Disabled Children Add-On - Renal, extra high	Not Used	Not Used
CSUBL	Disabled Children Add-On - Substance abuse, low	Not Used	Not Used
CSUBVL	Disabled Children Add-On - Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.584
MRX2	Cardiac	Cardiovascular, extra low to low	0.081
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low to medium	0.225
MRX4	Diabetes	Diabetes, type 2	0.199
MRX5	Hemophilia/von Willebrands	Hematological, extra high	4.752
MRX6	Hepatitis	Infectious, low to medium	0.188
MRX7	HIV	Infectious, low to medium	0.188
MRX8	Infections, high	Infectious, high to very high	0.300
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.254
MRX10	Malignancies	Cancer, medium	0.611
MRX11	Multiple Sclerosis / Paralysis	CNS, high	0.781
MRX12	Parkinsons / Tremor	CNS, low	0.243
MRX13	Rare Diseases	Rare Diseases	2.664
MRX14	Seizure disorders	CNS, low	0.243
MRX15	Tuberculosis	Infectious, low to medium	0.188

Exhibit 4C

Mississippi Division of Medicaid

SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024

Custom Risk Weights - MA Adult Rate Cell

Model R-Squared: 35.6%						
Risk Weight Category	CY 2023 Member Months ¹	Scored Member Coefficient	Scored Member Model Metrics			Unscored Member Coefficient ³
			Prevalence	P-Value	Population Risk Score ²	
Regression Intercept	439,404	0.126	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 19 to 24 Male	1,191	0.000	0.3%	N/A	0.331	0.331
Age 19 to 24 Female	33,669	0.460	7.7%	N/A	1.115	1.115
Age 25 to 44 Male	29,458	0.111	6.7%	N/A	0.639	0.639
Age 25 to 44 Female	320,071	0.305	72.8%	N/A	0.993	0.993
Age 45 and Older Male	11,689	0.127	2.7%	N/A	0.943	0.943
Age 45 and Older Female	43,326	0.326	9.9%	N/A	1.245	1.245
Non-Utilizer Category						
No Base Period Medical Utilization	35,780	(0.126)	8.1%	0.000	0.284	N/A
Duration						
Diagnosis Period Duration, 6 Months	4,681	0.448	1.1%	0.000	1.255	N/A
Diagnosis Period Duration, 7 to 12 Months	434,723	0.000	98.9%	N/A	0.997	N/A
Homelessness						
Homelessness	699	0.472	0.2%	0.025	2.273	N/A
Disease Categories						
Cancer, high to very high	1,485	2.607	0.3%	0.000	4.707	N/A
Cancer, low to medium	5,126	0.394	1.2%	0.000	1.864	N/A
Cardiovascular, very high	501	2.004	0.1%	0.000	4.770	N/A
Cardiovascular, medium	20,731	0.547	4.7%	0.000	2.145	N/A
Cardiovascular, low	16,476	0.442	3.7%	0.000	1.827	N/A
Cardiovascular, extra low	115,484	0.118	26.3%	0.000	1.220	N/A
Cerebrovascular, medium	632	0.456	0.1%	0.038	2.523	N/A
CNS, high	1,927	0.552	0.4%	0.000	2.343	N/A
CNS, medium	2,919	0.544	0.7%	0.000	2.330	N/A
CNS, low	28,055	0.425	6.4%	0.000	1.946	N/A
Diabetes, type 1	3,825	1.366	0.9%	0.000	2.939	N/A
Diabetes, type 2	30,601	0.241	7.0%	0.000	1.660	N/A
Eye, very low to extra low	9,330	0.271	2.1%	0.000	1.694	N/A
Gastro, high	1,193	0.864	0.3%	0.000	3.034	N/A
Gastro, medium	11,530	0.585	2.6%	0.000	2.187	N/A
Gastro, low	60,114	0.278	13.7%	0.000	1.602	N/A
Genital, extra low	28,771	0.232	6.5%	0.000	1.659	N/A
Infectious, very high	101	1.355	0.0%	0.013	3.451	N/A
Infectious, high	6,403	0.426	1.5%	0.000	2.269	N/A
Infectious, low to medium	10,381	0.196	2.4%	0.000	1.874	N/A
Metabolic, high	5,493	0.528	1.3%	0.000	2.286	N/A
Metabolic, medium	15,886	0.296	3.6%	0.000	2.077	N/A
Pregnancy, complete	47,226	0.295	10.7%	0.000	1.212	N/A
Pregnancy, incomplete	14,968	1.430	3.4%	0.000	2.252	N/A
Psychiatric, high	4,060	0.665	0.9%	0.000	2.039	N/A
Psychiatric, medium	5,861	0.490	1.3%	0.000	1.858	N/A
Psychiatric, low	127,229	0.200	29.0%	0.000	1.384	N/A
Pulmonary, medium to very high	9,517	0.499	2.2%	0.000	2.412	N/A
Pulmonary, low	37,305	0.271	8.5%	0.000	1.620	N/A
Rare Diseases	66	6.883	0.0%	0.000	9.430	N/A
Renal, extra high	128	2.600	0.0%	0.000	6.574	N/A
Renal, medium	3,760	0.539	0.9%	0.000	2.478	N/A
Renal, low	8,726	0.472	2.0%	0.000	2.097	N/A
Skeletal, medium	115,794	0.270	26.4%	0.000	1.436	N/A
Skeletal, low	15,336	0.251	3.5%	0.000	1.437	N/A
Skeletal, very low	11,243	0.189	2.6%	0.000	1.335	N/A
Skin, high	371	1.732	0.1%	0.000	4.561	N/A
Skin, low	1,151	0.891	0.3%	0.000	3.004	N/A
Skin, very low	29,277	0.178	6.7%	0.000	1.483	N/A
Substance abuse, very low to low	31,117	0.299	7.1%	0.000	1.675	N/A

¹ CY 2023 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4D Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024 CDPS+Rx Mapping to Custom Risk Weight Categories - MA Adult Rate Cell			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, high to very high	2.607
CANH	Cancer, high	Cancer, high to very high	2.607
CANM	Cancer, medium	Cancer, low to medium	0.394
CANL	Cancer, low	Cancer, low to medium	0.394
CARVH	Cardiovascular, very high	Cardiovascular, very high	2.004
CARM	Cardiovascular, medium	Cardiovascular, medium	0.547
CARL	Cardiovascular, low	Cardiovascular, low	0.442
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.118
CERM	Cerebrovascular, medium	Cerebrovascular, medium	0.456
CNSH	CNS, high	CNS, high	0.552
CNSM	CNS, medium	CNS, medium	0.544
CNSL	CNS, low	CNS, low	0.425
DDM	DD, medium	Not Used	Not Used
DDL	DD, low	Not Used	Not Used
DIA1	Diabetes, type 1	Diabetes, type 1	1.366
DIA2	Diabetes, type 2	Diabetes, type 2	0.241
EYEL	Eye, low	Eye, very low to extra low	0.271
EYEVL	Eye, very low	Eye, very low to extra low	0.271
GIH	Gastro, high	Gastro, high	0.864
GIM	Gastro, medium	Gastro, medium	0.585
GIL	Gastro, low	Gastro, low	0.278
GENEL	Genital, extra low	Genital, extra low	0.232
HEMEH	Hematological, extra high	Not Used	Not Used
HEMVH	Hematological, very high	Not Used	Not Used
HEMM	Hematological, medium	Not Used	Not Used
HEML	Hematological, low	Not Used	Not Used
INFVH	Infectious, very high	Infectious, very high	1.355
INFH	Infectious, high	Infectious, high	0.426
INFM	Infectious, medium	Infectious, low to medium	0.196
INFL	Infectious, low	Infectious, low to medium	0.196
METH	Metabolic, high	Metabolic, high	0.528
METM	Metabolic, medium	Metabolic, medium	0.296
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.295
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	1.430
PSYH	Psychiatric, high	Psychiatric, high	0.665
PSYM	Psychiatric, medium	Psychiatric, medium	0.490
PSYL	Psychiatric, low	Psychiatric, low	0.200
PULVH	Pulmonary, very high	Pulmonary, medium to very high	0.499
PULH	Pulmonary, high	Pulmonary, medium to very high	0.499
PULM	Pulmonary, medium	Pulmonary, medium to very high	0.499
PULL	Pulmonary, low	Pulmonary, low	0.271
RENEH	Renal, extra high	Renal, extra high	2.600
RENM	Renal, medium	Renal, medium	0.539
RENL	Renal, low	Renal, low	0.472
SKCM	Skeletal, medium	Skeletal, medium	0.270
SKCL	Skeletal, low	Skeletal, low	0.251
SKCVL	Skeletal, very low	Skeletal, very low	0.189
SKNH	Skin, high	Skin, high	1.732
SKNL	Skin, low	Skin, low	0.891
SKNVL	Skin, very low	Skin, very low	0.178
SUBL	Substance abuse, low	Substance abuse, very low to low	0.299
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.299
MRX1	Anti-coagulants	Cardiovascular, medium	0.547
MRX2	Cardiac	Cardiovascular, extra low	0.118
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.200
MRX4	Diabetes	Diabetes, type 2	0.241
MRX5	Hemophilia/von Willebrands	Not Used	Not Used
MRX6	Hepatitis	Infectious, low to medium	0.196
MRX7	HIV	Infectious, low to medium	0.196
MRX8	Infections, high	Infectious, high	0.426
MRX9	Inflammatory /Autoimmune	Skeletal, medium	0.270
MRX10	Malignancies	Cancer, low to medium	0.394
MRX11	Multiple Sclerosis / Paralysis	CNS, high	0.552
MRX12	Parkinsons / Tremor	CNS, low	0.425
MRX13	Rare Diseases	Rare Diseases	6.883
MRX14	Seizure disorders	CNS, low	0.425
MRX15	Tuberculosis	Infectious, low to medium	0.196

Exhibit 4E						
Mississippi Division of Medicaid						
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024						
Custom Risk Weights - CHIP & MississippiCAN Children Rate Cells						
Model R-Squared: 10.2%						
Risk Weight Category	Scored Member Model Metrics					
	CY 2023 Member Months ¹	Scored Member Coefficient	Prevalence	P-Value	Population Risk Score ²	Unscored Member Coefficient ³
Regression Intercept	3,309,147	0.595	100.0%	N/A	1.000	N/A
Demographic Categories						
Age 1 to 4	731,984	0.168	22.1%	N/A	0.976	0.976
Age 5 to 14 Male	909,713	0.038	27.5%	N/A	0.957	0.957
Age 5 to 14 Female	918,920	0.112	27.8%	N/A	0.953	0.953
Age 15 to 18 Male	371,291	0.000	11.2%	N/A	0.944	0.944
Age 15 to 18 Female	377,239	0.257	11.4%	N/A	1.321	1.321
Non-Utilizer Category						
No Base Period Medical Utilization	182,980	(0.410)	5.5%	0.000	0.282	N/A
Duration						
Diagnosis Period Duration, 6 Months	14,570	0.108	0.4%	0.037	0.886	N/A
Diagnosis Period Duration, 7 Months	26,037	0.098	0.8%	0.011	1.006	N/A
Diagnosis Period Duration, 8 to 12 Months	3,268,540	0.000	98.8%	N/A	1.000	N/A
Homelessness						
Homelessness	234	1.243	0.0%	0.002	3.173	N/A
Disease Categories						
Cancer, medium to very high	4,462	2.895	0.1%	0.000	5.020	N/A
Cardiovascular, very high	366	1.724	0.0%	0.000	7.166	N/A
Cardiovascular, medium	16,247	0.733	0.5%	0.000	2.440	N/A
Cardiovascular, low	43,787	0.450	1.3%	0.000	1.902	N/A
Cardiovascular, extra low	33,091	0.412	1.0%	0.000	2.102	N/A
Cerebrovascular, medium	265	2.021	0.0%	0.000	5.904	N/A
CNS, high	1,577	2.129	0.0%	0.000	4.449	N/A
CNS, medium	4,645	1.173	0.1%	0.000	3.149	N/A
CNS, low	50,373	0.751	1.5%	0.000	2.303	N/A
DD, medium	36	6.081	0.0%	0.000	9.047	N/A
DD, low	4,791	1.630	0.1%	0.000	3.800	N/A
Diabetes, type 1	8,130	3.867	0.2%	0.000	5.181	N/A
Diabetes, type 2	5,941	0.479	0.2%	0.000	2.127	N/A
Eye, very low to extra low	20,748	0.256	0.6%	0.000	1.548	N/A
Gastro, high	2,475	3.331	0.1%	0.000	5.923	N/A
Gastro, medium	6,128	1.271	0.2%	0.000	3.044	N/A
Gastro, low	166,443	0.340	5.0%	0.000	1.603	N/A
Genital, extra low	18,564	0.472	0.6%	0.000	1.940	N/A
Hematological, extra high	48	3.863	0.0%	0.000	4.657	N/A
Hematological, very high	557	3.011	0.0%	0.000	7.302	N/A
Hematological, low to medium	21,443	0.381	0.6%	0.000	1.974	N/A
Infectious, high to very high	4,543	0.662	0.1%	0.000	2.646	N/A
Infectious, medium	38,038	0.176	1.1%	0.000	1.436	N/A
Metabolic, high	12,930	0.754	0.4%	0.000	2.841	N/A
Metabolic, medium	10,153	0.391	0.3%	0.000	2.402	N/A
Pregnancy, complete	6,712	0.277	0.2%	0.000	1.750	N/A
Pregnancy, incomplete	3,714	3.124	0.1%	0.000	4.510	N/A
Psychiatric, high	1,066	3.507	0.0%	0.000	5.081	N/A
Psychiatric, medium	12,361	1.859	0.4%	0.000	3.079	N/A
Psychiatric, low	495,629	0.930	15.0%	0.000	1.883	N/A
Pulmonary, very high	2,702	1.975	0.1%	0.000	4.489	N/A
Pulmonary, medium to high	25,507	0.457	0.8%	0.000	1.941	N/A
Pulmonary, low	273,757	0.321	8.3%	0.000	1.456	N/A
Rare Diseases	287	7.506	0.0%	0.000	9.572	N/A
Renal, extra high	69	15.124	0.0%	0.000	19.997	N/A
Renal, medium	1,834	1.178	0.1%	0.000	3.242	N/A
Renal, low	25,902	0.277	0.8%	0.000	1.702	N/A
Skeletal, very low to medium	432,135	0.319	13.1%	0.000	1.490	N/A
Skin, high	306	0.773	0.0%	0.030	3.114	N/A
Skin, low	819	0.487	0.0%	0.025	2.125	N/A
Skin, very low	119,701	0.190	3.6%	0.000	1.366	N/A
Substance abuse, very low to low	6,264	1.082	0.2%	0.000	3.154	N/A

¹ CY 2023 member months satisfying the regression criteria.

² Reflects the average total risk score for all members associated with the given variable.

³ Unscored member coefficient developed using the population risk score for each demographic category.

Exhibit 4F			
Mississippi Division of Medicaid			
SFY 2025 MississippiCAN Risk Weight Development - Effective July 2024			
CDPS+Rx Mapping to Custom Risk Weight Categories - CHIP & MississippiCAN Children Rate Cells			
CDPS+Rx Abbreviation	CDPS+Rx Description	Risk Weight Category	Risk Weight
CANVH	Cancer, very high	Cancer, medium to very high	2.895
CANH	Cancer, high	Cancer, medium to very high	2.895
CANM	Cancer, medium	Cancer, medium to very high	2.895
CANL	Cancer, low	Not Used	Not Used
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.724
CARM	Cardiovascular, medium	Cardiovascular, medium	0.733
CARL	Cardiovascular, low	Cardiovascular, low	0.450
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.412
CERM	Cerebrovascular, medium	Cerebrovascular, medium	2.021
CNSH	CNS, high	CNS, high	2.129
CNSM	CNS, medium	CNS, medium	1.173
CNSL	CNS, low	CNS, low	0.751
DDM	DD, medium	DD, medium	6.081
DDL	DD, low	DD, low	1.630
DIA1	Diabetes, type 1	Diabetes, type 1	3.867
DIA2	Diabetes, type 2	Diabetes, type 2	0.479
EYEL	Eye, low	Eye, very low to extra low	0.256
EYEVL	Eye, very low	Eye, very low to extra low	0.256
GIH	Gastro, high	Gastro, high	3.331
GIM	Gastro, medium	Gastro, medium	1.271
GIL	Gastro, low	Gastro, low	0.340
GENEL	Genital, extra low	Genital, extra low	0.472
HEMEH	Hematological, extra high	Hematological, extra high	3.863
HEMVH	Hematological, very high	Hematological, very high	3.011
HEMM	Hematological, medium	Hematological, low to medium	0.381
HEML	Hematological, low	Hematological, low to medium	0.381
INFVH	Infectious, very high	Infectious, high to very high	0.662
INFH	Infectious, high	Infectious, high to very high	0.662
INFM	Infectious, medium	Infectious, medium	0.176
INFL	Infectious, low	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.754
METM	Metabolic, medium	Metabolic, medium	0.391
METVL	Metabolic, very low	Not Used	Not Used
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.277
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	3.124
PSYH	Psychiatric, high	Psychiatric, high	3.507
PSYM	Psychiatric, medium	Psychiatric, medium	1.859
PSYL	Psychiatric, low	Psychiatric, low	0.930
PULVH	Pulmonary, very high	Pulmonary, very high	1.975
PULH	Pulmonary, high	Pulmonary, medium to high	0.457
PULM	Pulmonary, medium	Pulmonary, medium to high	0.457
PULL	Pulmonary, low	Pulmonary, low	0.321
RENEH	Renal, extra high	Renal, extra high	15.124
RENM	Renal, medium	Renal, medium	1.178
RENL	Renal, low	Renal, low	0.277
SKCM	Skeletal, medium	Skeletal, very low to medium	0.319
SKCL	Skeletal, low	Skeletal, very low to medium	0.319
SKCVL	Skeletal, very low	Skeletal, very low to medium	0.319
SKNH	Skin, high	Skin, high	0.773
SKNL	Skin, low	Skin, low	0.487
SKNVL	Skin, very low	Skin, very low	0.190
SUBL	Substance abuse, low	Substance abuse, very low to low	1.082
SUBVL	Substance abuse, very low	Substance abuse, very low to low	1.082
MRX1	Anti-coagulants	Cardiovascular, medium	0.733
MRX2	Cardiac	Cardiovascular, extra low	0.412
MRX3	Psychosis/Bipolar/ Depression	Psychiatric, low	0.930
MRX4	Diabetes	Diabetes, type 2	0.479
MRX5	Hemophilia/von Willebrands	Hematological, extra high	3.863
MRX6	Hepatitis	Infectious, medium	0.176
MRX7	HIV	Infectious, medium	0.176
MRX8	Infections, high	Infectious, high to very high	0.662
MRX9	Inflammatory /Autoimmune	Skeletal, very low to medium	0.319
MRX10	Malignancies	Cancer, medium to very high	2.895
MRX11	Multiple Sclerosis / Paralysis	CNS, high	2.129
MRX12	Parkinsons / Tremor	CNS, low	0.751
MRX13	Rare Diseases	Rare Diseases	7.506
MRX14	Seizure disorders	CNS, low	0.751
MRX15	Tuberculosis	Not Used	Not Used

Exhibit 5A
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2025

Region:	North								
	(a)	(b)	(c) = (a) × (b)	(d)	(e)	(f)	(g)	(h) = (d) + (e) + (f) + (g)	(i) = (c) + (h)
	Budget Neutral Risk Score	Unadjusted Capitation Rate PMPM¹	Risk Adjusted Capitation Payment PMPM	MHAP FSA Payment PMPM²	MHAP QIPP Payment PMPM²	MAPS Payment PMPM²	TREAT Payment PMPM²	Total Payments Outside of Rates	Total Payments (Capitation Rates Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0012	\$750.00	\$750.92	\$290.00	\$160.00	\$10.00	\$5.00	\$465.00	\$1,215.92
Molina	0.9812	\$750.00	\$735.91	\$290.00	\$160.00	\$10.00	\$5.00	\$465.00	\$1,200.91
United	1.0051	\$750.00	\$753.83	\$290.00	\$160.00	\$10.00	\$5.00	\$465.00	\$1,218.83
MA Adult									
Magnolia	1.0048	\$360.00	\$361.72	\$130.00	\$160.00	\$10.00	\$5.00	\$305.00	\$666.72
Molina	0.9913	\$360.00	\$356.86	\$130.00	\$160.00	\$10.00	\$5.00	\$305.00	\$661.86
United	1.0011	\$360.00	\$360.39	\$130.00	\$160.00	\$10.00	\$5.00	\$305.00	\$665.39
MA Children									
Magnolia	1.0078	\$210.00	\$211.64	\$40.00	\$160.00	\$10.00	\$5.00	\$215.00	\$426.64
Molina	0.9672	\$210.00	\$203.10	\$40.00	\$160.00	\$10.00	\$5.00	\$215.00	\$418.10
United	1.0119	\$210.00	\$212.49	\$40.00	\$160.00	\$10.00	\$5.00	\$215.00	\$427.49
Quasi-CHIP									
Magnolia	1.0038	\$200.00	\$200.77	\$40.00	\$160.00	\$10.00	\$5.00	\$215.00	\$415.77
Molina	0.9634	\$200.00	\$192.67	\$40.00	\$160.00	\$10.00	\$5.00	\$215.00	\$407.67
United	1.0155	\$200.00	\$203.11	\$40.00	\$160.00	\$10.00	\$5.00	\$215.00	\$418.11
Foster Care									
Magnolia	0.9964	\$630.00	\$627.74	\$310.00	\$160.00	\$10.00	\$5.00	\$485.00	\$1,112.74
Molina	1.0472	\$630.00	\$659.71	\$310.00	\$160.00	\$10.00	\$5.00	\$485.00	\$1,144.71
United	0.9877	\$630.00	\$622.23	\$310.00	\$160.00	\$10.00	\$5.00	\$485.00	\$1,107.23

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Exhibit 5B
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2025

Region:	Central									
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)	
Non-Newborn SSI / Disabled										
Magnolia	1.0132	\$890.00	\$901.73	\$360.00	\$160.00	\$10.00	\$5.00	\$535.00	\$1,436.73	
Molina	0.9789	\$890.00	\$871.20	\$360.00	\$160.00	\$10.00	\$5.00	\$535.00	\$1,406.20	
United	0.9914	\$890.00	\$882.32	\$360.00	\$160.00	\$10.00	\$5.00	\$535.00	\$1,417.32	
MA Adult										
Magnolia	1.0182	\$370.00	\$376.75	\$140.00	\$160.00	\$10.00	\$5.00	\$315.00	\$691.75	
Molina	0.9611	\$370.00	\$355.59	\$140.00	\$160.00	\$10.00	\$5.00	\$315.00	\$670.59	
United	1.0111	\$370.00	\$374.09	\$140.00	\$160.00	\$10.00	\$5.00	\$315.00	\$689.09	
MA Children										
Magnolia	1.0121	\$220.00	\$222.67	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$447.67	
Molina	0.9606	\$220.00	\$211.32	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$436.32	
United	1.0124	\$220.00	\$222.73	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$447.73	
Quasi-CHIP										
Magnolia	1.0175	\$220.00	\$223.85	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$448.85	
Molina	0.9661	\$220.00	\$212.54	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$437.54	
United	0.9992	\$220.00	\$219.82	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$444.82	
Foster Care										
Magnolia	0.9821	\$660.00	\$648.20	\$440.00	\$160.00	\$10.00	\$5.00	\$615.00	\$1,263.20	
Molina	1.1013	\$660.00	\$726.83	\$440.00	\$160.00	\$10.00	\$5.00	\$615.00	\$1,341.83	
United	0.9942	\$660.00	\$656.15	\$440.00	\$160.00	\$10.00	\$5.00	\$615.00	\$1,271.15	

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2025

Region:	South									
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ²	(f) MAPS Payment PMPM ²	(g) TREAT Payment PMPM ²	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)	
Non-Newborn SSI / Disabled										
Magnolia	1.0224	\$930.00	\$950.79	\$390.00	\$160.00	\$10.00	\$5.00	\$565.00	\$1,515.79	
Molina	0.9926	\$930.00	\$923.10	\$390.00	\$160.00	\$10.00	\$5.00	\$565.00	\$1,488.10	
United	0.9811	\$930.00	\$912.38	\$390.00	\$160.00	\$10.00	\$5.00	\$565.00	\$1,477.38	
MA Adult										
Magnolia	1.0200	\$350.00	\$356.98	\$150.00	\$160.00	\$10.00	\$5.00	\$325.00	\$681.98	
Molina	0.9638	\$350.00	\$337.32	\$150.00	\$160.00	\$10.00	\$5.00	\$325.00	\$662.32	
United	1.0087	\$350.00	\$353.04	\$150.00	\$160.00	\$10.00	\$5.00	\$325.00	\$678.04	
MA Children										
Magnolia	1.0058	\$190.00	\$191.11	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$416.11	
Molina	0.9561	\$190.00	\$181.65	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$406.65	
United	1.0217	\$190.00	\$194.12	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$419.12	
Quasi-CHIP										
Magnolia	1.0100	\$180.00	\$181.79	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$406.79	
Molina	0.9418	\$180.00	\$169.52	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$394.52	
United	1.0230	\$180.00	\$184.14	\$50.00	\$160.00	\$10.00	\$5.00	\$225.00	\$409.14	
Foster Care										
Magnolia	0.9762	\$560.00	\$546.67	\$250.00	\$160.00	\$10.00	\$5.00	\$425.00	\$971.67	
Molina	1.1180	\$560.00	\$626.10	\$250.00	\$160.00	\$10.00	\$5.00	\$425.00	\$1,051.10	
United	0.9973	\$560.00	\$558.47	\$250.00	\$160.00	\$10.00	\$5.00	\$425.00	\$983.47	

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax

**DOM MSCAN SFY25 EMERGENCY CONTRACT
AMENDMENT 1
Exhibit 3**



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

February 6, 2025

Jennifer Wentworth
Chief of Staff
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Report02 State Fiscal Year 2025 MississippiCAN Preliminary Rate Calculation and Certification - Update

Dear Jennifer:

The Mississippi Division of Medicaid (DOM) has retained Milliman to develop actuarially sound capitation rates for state fiscal year (SFY) 2025 for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for Medicaid beneficiaries.

This report updates the preliminary capitation rates for all populations enrolled in MississippiCAN from the prior iteration dated September 6, 2024.¹ Overall, the SFY 2025 capitation rates in this report are 0.2% lower than the previous version (when compositing rates using calendar year (CY) 2022 membership). This report assumes ultimate approval of the preprints submitted to CMS for directed payments and directed fee schedules.

This report updates our preliminary SFY 2025 capitation rates; the following changes were made in this report relative to the prior certification:

- Updated projected SFY 2025 enrollment, using more recent membership data available. The rate changes shown below in Table 1 are composited using CY 2022 enrollment, and therefore, are not impacted by this update.
- Seasonal virus adjustments were updated to incorporate additional runout and feedback provided by the coordinated care organizations (CCOs).
- Fee schedule updates effective July 1, 2024 for behavioral health services (BHS), October 1, 2024 for home health (HH) and ambulatory surgical center (ASC) services, and January 1, 2025 for psychiatric residential treatment facilities (PRTF) services were incorporated into capitation rates.
- Corrected an issue that was discovered in the application of the intended unit cost trends for physician administered drugs (PADs).
- Updated charge trends for outpatient and certain physician services provided by DOM's payment methodology development vendor, Myers and Stauffer. This modeling included the impact of fee schedule updates effective July 1, 2023 and July 1, 2024. The impact of each service category is shown separately below in Table 1.

Table 1 summarizes the overall impact on capitation rates resulting from the changes noted above. The impact in Table 1 is based upon the membership distribution across rate cells in calendar year (CY) 2022. Each of these changes are described in more detail within the capitation report.

¹ "Report12 - SFY 2025 Preliminary MississippiCAN Rate Calculation and Certification - Secured Copy.pdf" dated September 6, 2024.



Table 1 SFY 2025 Capitation Rate Development Summary of SFY 2025 Rate Change Components	
Assumption Change	Change from September 6, 2024 Preliminary Rates
Seasonal Virus Adjustment	1.003
BHS, HH, ASC, and PRTF Fee Schedule Adjustment	1.003
PAD Unit Cost Trend Fix Impact	0.996
Physician Unit Cost Trend Impact	0.993
Outpatient Unit Cost Trend Impact	1.004
Total SFY 2025 Rate Change	0.998

In addition, the following changes were incorporated, but do not have an impact on the SFY 2025 capitation rate PMPMs and therefore are not included in Table 1.

- All rate change comparisons to SFY 2024 capitation rates were updated to the most recent rate certification for SFY 2024 dated October 22, 2024. This does not have an impact on the SFY 2025 capitation rates, but does result in changes in the impact of changes between SFY 2024 and SFY 2025 as outlined in Section I of the report.
- Updated high-cost pharmacy risk corridor development to use a projected SFY 2025 membership basis instead of base period (CY 2022) membership.
- Included the Mississippi Outcomes for Maternal Safety (MOMS) state directed payment, which will be paid through a separate payment term. In conjunction with the incorporation of the MOMS state directed payment, the value-based purchasing (VBP) incentive payment was reduced from 0.50% to 0.25%.

Rates will be retroactively adjusted and recertified for the following items:

- Payments for the Mississippi Hospital Access Program (MHAP) Quality Incentive Payment Program (QIPP).
- Payments for the MHAP fee schedule adjustment (FSA) amounts.
- Payments for the Mississippi Medicaid Access to Physician Services (MAPS) program.
- Payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program.
- Payments for the Mississippi Outcomes for Maternal Safety (MOMS) program.
- Payments for the ambulatory payment classification (APC) opt out program.

This recertification will be done at one time for capitation rates for the entire SFY 2025 period. This recertification is anticipated to happen two quarters following the end of SFY 2025.

There are many considerations taken in the development of SFY 2025 capitation rates to reflect impacts of COVID-19 and the unwinding of the continuous coverage requirement (CCR) in the Families First Coronavirus Act (FFCRA). Explicit adjustments for COVID-19 are made in the rate development for the following:

- **Base Period Data:** The SFY 2025 capitation rates use CY 2022 data as the basis for projections. Under normal circumstances, SFY 2025 capitation rates would be based on CY 2022 and CY 2021 experience for smaller rate cells. However, given the large population and member behavior changes in CY 2021, we do not find this experience to be a credible basis for SFY 2025 projections. Therefore, we use a single year of experience data for all populations as the basis for our SFY 2025 projections.
- **Acuity Adjustments:** MississippiCAN enrollment fluctuated significantly throughout CY 2022 due to the CCR and DOM policies shifting members between MississippiCAN and fee-for-service (FFS). Under the continuous coverage requirement DOM could not disenroll members who would normally lose eligibility during the public health emergency (PHE), as declared by the Department of Health and Human Services (HHS). However, beginning in June 2021, and continuing through late CY 2022, DOM transitioned individuals for whom Medicaid eligibility would have lapsed absent the CCR from coordinated care organizations (CCOs) into FFS Medicaid.



Jennifer Wentworth
Mississippi Division of Medicaid
February 6, 2025
Page 3 of 3

Per the Consolidated Appropriations Act, 2023 (CAA), the continuous coverage requirement, which was previously tied to the federal PHE ended on March 31, 2023. Additional guidance from the Centers for Medicare and Medicaid Services (CMS) indicated that states had 14 months after this date to complete redeterminations for affected enrollees. Within the options outlined by CMS, DOM began eligibility redeterminations starting in April 2023 and began disenrolling Mississippi Medicaid recipients who were no longer eligible in July 2023 and throughout the following year. We have been monitoring membership and population acuity changes as of a result of the end of the continuous coverage requirements and have applied an acuity adjustment in preliminary SFY 2025 capitation rates for certain populations based on the most recent data available as of March 2024.

- **COVID-19 / Influenza / RSV Adjustment:** We developed an adjustment for the estimated difference in costs included in the CY 2022 base period data and projected SFY 2025 costs for testing, vaccination, and treatment for influenza, respiratory syncytial virus (RSV), and COVID-19. These population specific adjustments reflect an expected decrease in COVID-19, influenza, and RSV costs from CY 2022 to SFY 2025.



Jennifer, please call us at 262 784 2250 if you have questions. We look forward to discussing this report with you and the CCOs.

Sincerely,

A handwritten signature in black ink, appearing to read "Jill Bruckert".

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachments

A handwritten signature in black ink, appearing to read "Katarina Lorenz".

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

MILLIMAN REPORT

State of Mississippi Division of Medicaid

State Fiscal Year 2025 MississippiCAN Preliminary Rate Calculation and Certification - Update

February 6, 2025

[Jill A. Bruckert](#), FSA, MAAA
Principal and Consulting Actuary

[Katarina N. Lorenz](#), FSA, MAAA
Consulting Actuary



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com



Table of Contents

I. SUMMARY AND DISCUSSION OF RESULTS.....	1
II. MISSISSIPPICAN BACKGROUND.....	9
III. BASE DATA DEVELOPMENT.....	12
IV. PROJECTED SFY 2025 CAPITATION RATES.....	17

EXHIBITS (Provided in Excel format only)

Capitation Rate Development

EXHIBIT 1	Base Data Exhibits – CY 2022 Encounter Data
EXHIBIT 2	Final Base Data and Projection Assumptions
EXHIBIT 3	Statewide Non-Service Expense Allowance Development
EXHIBIT 4	Final SFY 2025 Capitation Rates

Capitation Rate Support

EXHIBIT 5	SFY 2024 to SFY 2025 Rate Change
EXHIBIT 6	Service Category to Milliman <i>HCGs</i> Grouper Category Mapping
EXHIBIT 7A	Historical PMPM Trend Summary – All Populations
EXHIBIT 7B	Historical PMPM Trend Summary – SSI+ Population
EXHIBIT 7C	Historical PMPM Trend Summary – Adults Population
EXHIBIT 7D	Historical PMPM Trend Summary – Children Population
EXHIBIT 7E	Historical PMPM Trend Summary – Deliveries
EXHIBIT 8	Enhanced Match Services
EXHIBIT 9A	CY 2022 Databooks – Summary of Total Costs by Rate Cell
EXHIBIT 9B	CY 2022 Databooks – Summary of Allowed PMPM by Rate Cell
EXHIBIT 9C	CY 2022 Databooks – Summary of Total Costs by Rate Cell
EXHIBIT 10	Summary of Population, Program, and Reimbursement Changes
EXHIBIT 11A	Projected SFY 2024 and SFY 2025 Member Months
EXHIBIT 11B	Components of SFY 2024 Capitation Rates
EXHIBIT 11C	Components of SFY 2025 Capitation Rates
EXHIBIT 12	Unit Cost Trends by Category of Service

Expenditure Projection

EXHIBIT 13	SFY 2025 MississippiCAN Expenditure Estimate

Risk Corridor Calculations

EXHIBIT 14A	Illustrative Settlement Calculation
EXHIBIT 14B	Illustrative MLR Development
EXHIBIT 14C	SFY 2025 Hight Cost Pharmacy Risk Corridor Development
EXHIBIT 14D	SFY 2025 Hight Cost Pharmacy Risk Corridor Development – Gene Therapy Supplemental Support
EXHIBIT 15A	Procedure Codes for Non-Psychiatric Physician Visits
EXHIBIT 15B	Procedure Codes for Psychiatric Physician Visits

Table of Contents *(continued)*

APPENDICES

Supporting Documentation

APPENDIX A	SFY 2025 Rate Cell Definitions
APPENDIX B	Data Sources and Processing
APPENDIX C	CMS Managed Care Rate Setting Guide Response
APPENDIX D	Actuarial Certification of SFY 2025 MississippiCAN Capitation Rates
APPENDIX E	Data Reliance Letter

I. SUMMARY AND DISCUSSION OF RESULTS

The Mississippi Division of Medicaid (DOM) retained Milliman to calculate, document, and certify to capitation rates for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for targeted Medicaid beneficiaries, effective for state fiscal year (SFY) 2025. This report provides preliminary SFY 2025 capitation rates and documents their development. This report is structured as follows:

- Section I includes a high-level overview of the change in capitation rates relative to the July 1, 2023 to June 30, 2024 (SFY 2024) capitation rates.
- Section II provides a short background of the MississippiCAN program.
- Section III documents the development of the base data.
- Section IV documents the rate setting process for SFY 2025 capitation rates.
- Appendices A and B contain additional details on the SFY 2025 rate cell definitions and base period data sources and processing.
- Appendix C provides responses to the CMS managed care rate setting guide for all rate cells.
- Appendix D contains an Actuarial Certification for all MississippiCAN rate cells.
- Appendix E documents our reliance on DOM for data and other assumptions in the development of the capitation rates.

SFY 2025 CAPITATION RATES

Table 1 includes per member per month (PMPM) preliminary capitation rates effective for SFY 2025 that will be paid to the Coordinated Care Organizations (CCOs) on a monthly basis (excluding all directed payments and any payments earned through the new value-based payment (VBP) incentive program) to provide medical and certain pharmacy services to their enrolled beneficiaries. Each CCO will be paid based on the distribution of members enrolled in each rate cell. In addition, CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions: North, Central, or South, as shown in Appendix A.

Table 1 Mississippi Division of Medicaid MississippiCAN Capitation Rates Per Member Per Month (PMPM) ¹ Effective SFY 2025			
Rate Cell	North	Central	South
Non-Newborn SSI / Disabled	\$759.18	\$900.54	\$946.20
Breast and Cervical Cancer	\$2,791.13	\$3,310.83	\$3,478.69
MA Adult	\$363.10	\$374.70	\$357.93
Pregnant Women	\$621.98	\$641.85	\$613.11
SSI / Disabled Newborn	\$6,799.51	\$7,185.86	\$6,059.94
Non-SSI Newborns 0 to 2 Months	\$2,372.70	\$2,507.52	\$2,114.62
Non-SSI Newborns 3 to 12 Months	\$313.48	\$331.29	\$279.38
Foster Care	\$636.29	\$672.44	\$567.08
MYPAC	\$3,442.53	\$3,638.14	\$3,068.09
MA Children	\$210.41	\$222.37	\$187.53
Quasi-CHIP	\$206.58	\$218.32	\$184.11

¹ Capitation rates in Table 1 exclude directed payments and are prior to the application of the quality withhold or VBP.

In addition, there are multiple directed payments that are paid outside of the monthly capitation rates and excluded from Table 1. The estimated cost for each directed payment is included as a PMPM amount in the preliminary SFY 2025 capitation rates. These PMPM amounts will be retrospectively adjusted on a CCO-specific basis to reflect final payments made for each program.

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

- The Mississippi Hospital Access Program (MHAP) hospital fee schedule adjustment (FSA) payments are paid outside of the capitation rates on a monthly basis. This amount varies by rate cell on a PMPM basis based on projected utilization of inpatient and outpatient services and actual membership. The MHAP FSA payments are projected to be \$719.7 million in SFY 2025. Please see Section IV of this report for additional details on the MHAP FSA.
- Payments for the MHAP quality incentive payment program (QIPP) are paid outside of the capitation rates on a quarterly basis. The MHAP QIPP payments are projected to be \$820.7 million in SFY 2025. Please see Section IV of this report for additional details on the MHAP QIPP.
- The Mississippi Medicaid Access to Physician Services (MAPS) program in MississippiCAN enhances payments to physicians who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital. The MAPS payments are estimated to be \$29.5 million in SFY 2025. Please see Section IV of this report for additional details on the MAPS program.
- The payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program in MississippiCAN for SFY 2025 enhances payments to eligible emergency ambulance providers. The TREAT payments are estimated to be \$25.3 million in SFY 2025. Please see Section IV of this report for additional details on the TREAT program.
- Payments for the MOMS program are paid outside of the capitation rates on an annual basis. This program aims to improve maternal outcomes in Mississippi through enhanced payments to hospitals and outpatient providers. These payments are estimated to be \$6.6 million in SFY 2025. Please see Section IV of this report for additional details on the MOMS program.

In addition, we expect that DOM will be filing a preprint with CMS for payments made to providers that opt out of the ambulatory payment classification (APC) payment model for outpatient services. The amount and structure of those payments are still under development at this time, but we will update the rate certification with the appropriate information once available.

In addition, the capitation rates will be adjusted on a CCO-specific basis for the following rate adjustments:

- **Quality Withhold:** As in SFY 2024 rates, DOM will apply a quality withhold to MississippiCAN payments in SFY 2025 based on metrics reported by the CCOs. The PMPM capitation rates in Table 1 are prior to the application of this quality withhold. Please see Section IV for more information on the quality withhold for SFY 2025.
- **Value-Based Payment Program (VBP):** Starting in SFY 2025, DOM is implementing a value-based payment program where CCOs can earn up to a 0.25% incentive payment. Please see Section IV for more information on this program.
- **Risk Adjustment:** The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be risk adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO and will be budget-neutral to DOM. The CDPS + Rx demographic and disease category weights will be calculated using Mississippi FFS and encounter data for the populations enrolled and services provided during SFY 2025.

The capitation rates for the Foster Care rate cell will be risk adjusted using a custom risk adjustment model developed for this population. This custom model uses a member's eligibility for either state or federal financial assistance to assign a risk score. The risk adjustment for the Foster Care rate cell will be applied on a concurrent basis.

Please see Section IV for more information on the application of risk adjustment to the applicable rate cells.

- **High-Cost Pharmacy Risk Corridor:** Similar to SFY 2024, a high-cost pharmacy risk corridor will be applied to recognize the uncertainty in determining rate setting assumptions for the impact of current and anticipated high-cost medications.

Please see Section IV for more information on how the High-Cost Pharmacy Risk Corridor settlement will be calculated.

Our Actuarial Certification of the SFY 2025 MississippiCAN capitation rates is included as Appendix D. It should be emphasized that capitation rates are a projection of future costs based on a set of starting data and assumptions. Actual costs will be dependent on each contracted CCO's situation, experience, and enrolled population.

SELECTION OF BASE DATA

Under normal circumstances, data from calendar year (CY) 2022 would be used as the primary base data for SFY 2025 capitation rates with data from CY 2021 used to supplement CY 2022 data for rate cells with fewer than 150,000 member months. Due to the emergence of COVID-19 in early 2020, and related enrollment changes occurring throughout CY 2021, the CY 2021 encounter data shows different utilization and cost patterns when compared with more recent time periods. We expect claims and member behavior in SFY 2025 to be more similar to adjusted CY 2022, rather than earlier time periods. Therefore, we did not incorporate CY 2021 data for the lower membership rate cells and CY 2022 data was used as our sole base data source for all rate cells in development of the SFY 2025 capitation rates, regardless of membership.

While CY 2022 encounter data is the primary data source for SFY 2025 capitation rates, emerging data from CY 2023 is also used in the development of several rate adjustments, such as seasonal virus impacts, population acuity adjustments, and trend assumptions.

In October 2022, a new MMIS vendor began processing all data for the Mississippi Medicaid and CHIP programs. In order to have consistency in the data for all months, the CY 2022 encounter data that serves as the basis for SFY 2025 capitation rates is supplied by DOM's new MMIS vendor, including restated months of data prior to October 2022. Milliman has worked closely with DOM and their MMIS vendor to refine our data process and validate the CY 2022 data.

CATEGORIES OF SERVICE

For SFY 2025 capitation rate development, the CY 2022 base data was categorized using a more granular category of service methodology in which inpatient, outpatient, and physician services are further subset into more specific sub-categories of service. We believe that these additional breakouts will allow for greater transparency when developing the SFY 2025 capitation rates. Table 2 below shows the comparison between the categories of service for the SFY 2024 and the SFY 2025 capitation rates.

The SFY 2024 capitation rate exhibits displayed costs for the MA Adult and Pregnant Women rate cells separately for delivery and non-delivery related costs. With the addition of maternity and delivery category of service breakouts for inpatient and physician services, we have adjusted our exhibits to show the MA Adult and Pregnant Women costs without this additional breakout as any delivery-specific adjustments will now be reflected in those categories of service.

Starting in July 2024, DOM entered into an arrangement with their Pharmacy Benefits Administrator (PBA) in which certain pharmacy claims are paid through the PBA. As such, we identified and removed the associated pharmacy claims from the CY 2022 base data for the purpose of developing SFY 2025 capitation rates. Please see Appendix B for a further description of the associated pharmacy services.

Table 2 Mississippi Division of Medicaid SFY 2024 & SFY 2025 Categories of Service	
SFY 2024 Category	SFY 2025 Category
Inpatient Hospital	Inpatient Hospital Services - Maternity / Deliveries
	Inpatient Hospital Services - Psychiatric / Substance Abuse
	Inpatient Hospital Services - All Other
Outpatient Hospital	Outpatient Hospital Services - Emergency Room
	Outpatient Hospital Services - Pharmacy
	Outpatient Hospital Services - All Other
Physician	Physician Services - Maternity / Deliveries
	Physician Services - Psychiatric / Substance Abuse
	Physician Services - All Other
Pharmacy	N/A
Dental	Dental - All Services
Other	All Other Services

PHE UNWIND AND COVID-19 CONSIDERATIONS IN SFY 2025 RATE DEVELOPMENT

Several adjustments were made in the SFY 2025 capitation rates to reflect changes as a result of COVID-19 and the unwinding impacts of the associated CCR, including:

- Acuity adjustments: Enrollment information through March 2024 was utilized as part of a risk score analysis to estimate changes in population acuity between the base period (CY 2022) and SFY 2025 for certain populations. Please see Section IV (Step 2) for more information on this adjustment.
- Seasonal virus adjustments: Adjustments are made in the rate development to account for estimated changes in seasonal virus loads (including COVID-19, RSV, and influenza) between CY 2022 and SFY 2025. Please see Section IV (Step 1) for more information on this adjustment.

CAPITATION RATE CHANGE SUMMARY

Table 3 summarizes the change in capitation rates from SFY 2024² to SFY 2025. This comparison is shown excluding the impact of directed payments, the quality withhold, and any payments earned through the VBP program, and is composited across all rate cells using CY 2022 membership. Table 3 also summarizes changes excluding the impact of program changes (noted by footnote 2 in Table 3), which increase or decrease total program costs concurrently with revenue for the CCOs and excluding the impact of COVID-19 adjustments (noted by footnote 3 in Table 3).

² “Report 14 – SFY 2024 Preliminary MississippiCAN Rate Calculation and Certification.pdf” dated October 22, 2024.

Table 3
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
Summary of SFY 2025 Rate Change Components¹

	Aggregated with CY 2022 Membership
SFY 2024 Capitation Rate - Including Pharmacy Services	\$517.87
Remove Non-Physician Administered Pharmacy Services	0.761
SFY 2024 Capitation Rate - Excluding Pharmacy Services	\$394.13
Shift CGT Estimates from Pharmacy to Physician	1.038
SFY 2024 Capitation Rate - Excluding Pharmacy Services with CGT Shift	\$409.13
Base Period Data Update	0.982
Restate CY 2022 to SFY 2024 Trends	1.001
Restate SFY 2024 Cell / Gene Therapy Coverage ²	0.981
Remove SFY 2024 Population Acuity Adjustment ³	0.970
Other Restated SFY 2024 Assumptions	0.998
Updates Relative to SFY 2024 Assumptions	0.934
SFY 2024 to SFY 2025 Utilization Trends	1.027
SFY 2024 to SFY 2025 Unit Cost Trends	1.005
SFY 2025 Population Acuity Adjustment ³	1.006
SFY 2025 Seasonal Virus Adjustment ³	1.010
SFY 2025 Hemophilia Population Carve-In ²	1.001
SFY 2025 Postpartum Coverage Extension ²	0.997
SFY 2024 to SFY 2025 Restorative Dental Reimbursement Change ²	1.001
Update SFY 2025 Admin	0.997
Remove SFY 2025 PBA Pharmacy Admin ²	0.993
Preliminary SFY 2025 Rate Change	0.968
SFY 2025 Rate Change - Excluding Program Changes²	0.995
SFY 2025 Rate Change - Excluding COVID-19 Adjustments³	0.982

¹ Rate changes exclude directed payments, the quality withhold, and the VBP.

² Program change that increases or decreases total program costs outside of the control of the CCOs.

³ COVID-19 adjustments include the population acuity adjustments and seasonal virus adjustment.

The values quoted below are all based on the program wide impact using CY 2022 membership to composite the rate cells. **The rate change components are based on SFY 2024 rates excluding pharmacy services and adjusted to show cell and gene therapy (CGT) costs as part of the physician service category (rather than pharmacy as originally projected in SFY 2024 rate development).**

- As discussed previously, SFY 2024 capitation rates were developed to project total medical and pharmacy costs, including those that will be covered by DOM's PBA for SFY 2025. For comparison purposes, we include the SFY 2024 rates with and without the PBA-eligible pharmacy services. The impact of removing estimated pharmacy category of service from the SFY 2024 rates decreases overall costs by about 23.9%.

The estimated SFY 2024 pharmacy category of service costs were developed using CY 2021 base period experience and trended to SFY 2024, including adding cost estimates for new CGT treatments to the pharmacy category of service. Based on our current understanding of how these claims will be paid in SFY 2025, these services will be paid in physician category of services. Therefore, we restated the SFY 2024 rates with CGT costs included in the physician service category for a more direct comparison to the SFY 2025 capitation rates. This change increases the SFY 2024 rates without PBA-eligible pharmacy services by 3.8%. The net impact of these two adjustments for the removal of PBA eligible pharmacy services (excluding CGTs) is a decrease of about 21.0%.

- The development of SFY 2025 capitation rates is a ground-up approach where the base data and each assumption is evaluated separate from the SFY 2024 capitation rates. However, for the purposes of explaining the rate change from SFY 2024 to SFY 2025, we isolate the impact of rebasing the data and assumptions that we updated relative to the data or assumptions used to develop the SFY 2024 values. Overall, this rebasing decreased the projection of SFY 2024 costs by 6.6% from costs projected in the SFY 2024 capitation rates.

This change contains the following sub-components:

- As stated above, SFY 2024 rates used CY 2021 data as the basis for capitation rate development. For SFY 2025, we rely on CY 2022 encounter data as the basis for rate development. The impact of changing our base data (including the associated impact of restating IBNR, TPL, missing data, and non-covered services) decreased projected costs by 1.8%.
 - Milliman restated CY 2022 to SFY 2024 trend assumptions. This included the recalculation of annual trend assumptions based on reviewing restated data, and the recalculation of fee schedule impacts based on base data for CY 2022 (rather than CY 2021); all topics are discussed in Section IV. Overall, this trend restatement resulted in a 0.1% decrease to capitation rates.
 - Several high-cost gene therapies are currently available or will become available during SFY 2025. Restating anticipated medical and non-PBA eligible pharmacy costs associated with these treatments, as well as the carve-in of Zolgensma from FFS, decreased rates by 1.9%. To date, the actual utilization of these high-cost gene therapies has been very low and the SFY 2025 estimates reflect this reduction in anticipated utilization for SFY 2025. Ultimate utilization levels are likely to be greater than or less than the estimates included in the SFY 2025 capitation rates. Therefore, a high-cost drug risk corridor has been implemented for SFY 2025 to mitigate the uncertainty in the estimation of utilization of these therapies and other high-cost pharmaceuticals.
 - The population acuity adjustments previously applied to reflect the impact of eligibility redeterminations from CY 2021 to SFY 2024 were removed to put the capitation rates on a 1.0 basis. A separate adjustment is applied to reflect population acuity changes between CY 2022 and SFY 2025. This reduces capitation rates by 3.0% overall.
 - Various other assumptions were restated, most notably the application of the preventative and diagnostic dental reimbursement increases occurring on July 1, 2021 and July 1, 2022. Now that we are utilizing CY 2022 base period data (instead of CY 2021), we no longer need to apply an adjustment for the July 1, 2021 change, and the July 1, 2022 adjustment is dampened to only apply to half the year. Relying on actual data vs. our prior assumptions reduced overall rates by approximately 0.2% across all rate cells.
- Composite utilization trend assumptions from SFY 2024 to SFY 2025 increased projected costs 2.7%. Please see Section IV for more information on trend assumptions included in SFY 2025 capitation rates.
 - Composite unit cost trend assumptions from SFY 2024 to SFY 2025 increased projected costs 0.5%. This change includes physician administered drug (PAD) trends and any fee schedule changes not modeled by DOM's payment methodology development (PMD) vendor. Please see Section IV for more information on the fee schedule changes currently modeled.
 - Throughout CY 2022, DOM transitioned individuals for whom Medicaid eligibility would have lapsed absent the CCR from the CCOs into FFS Medicaid. In addition, the continuous coverage requirement ended on March 31, 2023 and DOM started redeterminations in April 2023, with disenrollments of ineligible recipients starting in July 2023. During the official redetermination for individuals, there were multiple beneficiaries that had been moved from the CCOs into FFS initially that maintained Medicaid eligibility and subsequently were moved back into MississippiCAN, resulting in steady CCO enrollment increases throughout CY 2023 and into CY 2024. Given the changes in historical enrollment, Milliman developed a population acuity adjustment based on population risk scores to estimate the relative acuity of the base period to the projected SFY 2025 population. Across all rate cells, this population acuity adjustment increased capitation rates by 0.6%. Please see Section IV for a further description of the population acuity adjustment.
 - SFY 2024 capitation rates included an adjustment reflecting estimated changes in testing, treatment, and vaccination costs for COVID-19, influenza, and RSV. We performed a similar analysis for SFY 2025 capitation rates reviewing actual experience during CY 2023 to inform our new baseline costs for COVID-19, influenza, and RSV. The change to use these new adjustments increased the overall rate by 1.0%, as shown in Table 3.

MILLIMAN REPORT

- Starting January 1, 2024, eligible members with Hemophilia or Von Willebrand disease transitioned from FFS into MississippiCAN. Historically this population was carved-out of MississippiCAN due to the relatively high medical costs associated with these conditions, as well as the infrequent and non-uniform distribution of members across the CCOs. Milliman updated the analysis supporting this adjustment to use CY 2022 data and new projections of CGT usage for these members. Across all rate cells, this restatement increased capitation rates by approximately 0.1%.
- Per SB 2212, postpartum coverage extended from 60 days to 12 months for members who gave birth on or after April 1, 2023, such that the first enrollment month under the coverage extension was July 2023. An adjustment to account for the estimated cost differential between the prior coverage and the additional 10 months of postpartum coverage was included in the SFY 2024 capitation rates. Milliman updated this analysis for SFY 2025 and this resulted in an overall decrease in SFY 2025 capitation rates by 0.3% on a PMPM basis across all rate cells due to a higher percentage of membership in SFY 2025 in these newly covered postpartum months compared to SFY 2024 when this additional coverage was ramping up throughout the year.
- Per HB657, SFY 2025 MississippiCAN restorative dental services will be reimbursed at a rate 5.0% greater than in SFY 2024. Across all rate cells, this amounts to a slight increase to capitation rates.
- Changes to administrative expenses on a PMPM basis result in a decrease to the rate of approximately 0.3%, based upon CCO administrative expenses for CY 2022 trended to SFY 2025. A positive rate change in Table 3 indicates that the administrative costs increased as a percentage of the overall rate (i.e., administrative costs trended at a higher percentage than the overall rate). The overall PMPM for administrative expenses decreased 3.3% from the SFY 2024 allowance, comprised of a fixed administrative expense decrease from \$11.17 PMPM in the SFY 2024 rate to \$10.81 PMPM in the SFY 2025 rate, and a variable administrative expense decrease from \$26.07 in the SFY 2024 rate to \$25.21 in the SFY 2025 rate.
- As mentioned above, certain pharmacy expenses are expected to be paid by DOM's PBA rather than the CCOs. As these services will not be administered by the CCOs, Milliman reduced the SFY 2025 administrative cost levels to account for this change, based on splits of PBM related costs provided by DOM and the CCOs, which show that approximately 15% of prior PBM costs are related to duties that will be retained by the CCOs in SFY 2025. The change decreased overall capitation rates by 0.7% or an additional 7.5% (\$2.72) on a PMPM basis when aggregated using CY 2022 member months.

The rate change included in Table 3 does not include the impact of changes in directed payments from SFY 2024 to SFY 2025. The following changes in directed payments are expected for SFY 2025:

- The total MHAP payment across all MississippiCAN members increases from \$1.522 billion in SFY 2024 to \$1.540 billion in SFY 2025.
- The total MAPS payment decreases from \$39.4 million in SFY 2024 to \$29.5 million in SFY 2025.
- The TREAT payment amount increases from \$20.6 million in SFY 2024 to \$25.3 million in SFY 2025.
- The MOMS program is new in SFY 2025 and therefore does not have a comparable SFY 2024 amount.

Please see Section IV of this report for more information on changes to the directed payments for SFY 2025.

CAPITATION RATE CHANGE BY RATE CELL

Rate changes vary by capitation rate cell as shown in Table 4, which compares SFY 2025 capitation rates to SFY 2024 capitation rates, on a similar basis as Table 3. The level of detail for the rate change included in Table 3 above is shown by rate cell in Exhibit 5.

Table 4
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
Summary of Statewide SFY 2025 Rate Change¹

Rate Cell	Overall Rate Change	Excluding Program Changes²	Excluding COVID-19 Adjustments³
Non-Newborn SSI / Disabled	-6.6%	0.3%	-6.1%
Breast and Cervical Cancer	13.0%	13.6%	13.5%
MA Adult	-11.1%	-10.4%	-4.4%
Pregnant Women	-12.4%	-5.0%	-15.4%
SSI / Disabled Newborn	-13.6%	-13.2%	-15.5%
Non-SSI Newborns 0 to 2 Months	2.0%	2.5%	-0.1%
Non-SSI Newborns 3 to 12 Months	10.4%	7.6%	9.8%
Foster Care	-0.5%	0.1%	-3.8%
MYPAC	-10.1%	-9.6%	-13.6%
MA Children	2.5%	2.0%	6.0%
Quasi-CHIP	1.0%	1.6%	4.8%
Total - Aggregated with CY 2022 MMs	-3.2%	-0.5%	-1.8%

¹ Rate changes exclude directed payments, and are prior to the application of the quality withhold or VBP.

² Population acuity adjustment and seasonal virus adjustment changes have been excluded from this calculation.

³ COVID-19 adjustments include the acuity adjustments and seasonal virus impact.

DATA RELIANCE AND IMPORTANT CAVEATS

Milliman has developed certain models to estimate the values included in this report. The intent of the models was to estimate SFY 2025 capitation rates. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOPs).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting for January 2022 to December 2022 with runout through June 2023, historical and projected reimbursement information, fee schedules, and other information from DOM, MississippiCAN CCOs, Gainwell Technologies, Myers and Stauffer, and CMS to calculate the preliminary MississippiCAN capitation rates shown in this report. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2025 base data.

Differences between the capitation rate and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our report is intended for the internal use of DOM to review the preliminary MississippiCAN capitation rates for SFY 2025. The report and the models used to develop the values in this report may not be appropriate for other purposes. We anticipate the report will be shared with contracted CCOs and other interested parties. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of this report are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

Jill Bruckert and Katarina Lorenz are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

II. MISSISSIPPICAN BACKGROUND

MississippiCAN, a Coordinated Care Program for Mississippi Medicaid beneficiaries, was designed to address the following goals:

- Improve access to needed medical services – This goal is accomplished by connecting the targeted beneficiaries with a medical home, increasing access to providers, and improving beneficiaries' use of primary and preventive care services.
- Improve quality of care – This goal is accomplished by providing systems and supportive services, including disease state management and other programs that will allow beneficiaries to take increased responsibility for their health care.
- Improve efficiencies and cost effectiveness – This goal is accomplished by contracting with CCOs on a capitated basis to provide services through an efficient, cost-effective system of care.

TARGET POPULATION

MississippiCAN was implemented in all 82 counties in the State of Mississippi for all eligible beneficiaries beginning January 1, 2011 for targeted, high-cost Medicaid beneficiaries defined by these categories of eligibility (COEs):

- COE001 – SSI via SDX
- COE019 – Disabled children at home
- COE025 – Working Disabled
- COE026 – DHS CWS Foster Care
- COE027 – Breast-Cervical

On December 1, 2012, the eligible population of MississippiCAN was expanded to include all Foster Care children, Non-SSI Newborns 0 to 12 months, MA Adults, and Pregnant Women, as defined by the following categories of eligibility and age requirements:

- COE003 – DHS-IV-E-Medicaid
- COE075 – Parents / Caretakers of minor children
- COE088 – Pregnant Women, 185% FPL – Ages 8+
- Non-SSI Newborns – Ages 0 to 12 months
 - COE003 – DHS IV-E Medicaid
 - COE026 – DHS Foster Care
 - COE071 – Newborn age 0 to 1 with income at or below 185% FPL
 - COE088 – Pregnant Women, 185% FPL

Effective December 1, 2012, all MississippiCAN populations were mandatory enrolled except SSI children, disabled children at home, Foster Care children, and members of the Mississippi Band of Choctaw Indians.

Between December 2014 and July 2015, the eligible population of MississippiCAN was expanded again to include children as defined by the following categories of eligibility, age, and income requirements:

- COE072 – Children age 1 to 5 with income at or below 133% FPL
- COE073 – Children age 6 to 19 with income at or below 100% FPL
- COE074 – Children age 6 to 19 with income between 100% and 133% FPL who would have qualified for CHIP under pre-Affordable Care Act rules

Effective January 1, 2014, COE074 children previously eligible for CHIP with income eligibility between 100% and 133% FPL became Medicaid eligible rather than CHIP eligible due to income eligibility outlined in the Affordable Care Act. These children were moved into MississippiCAN effective December 1, 2014 and referred to as "Quasi-CHIP" children.

The children covered under the above COEs previously covered in the Medicaid program are called “MA Children.” DOM phased in enrollment from FFS into MississippiCAN by July 2015, with most children transitioned between May 2015 and July 2015.

Effective December 1, 2015, in conjunction with the movement of inpatient services into MississippiCAN, enrollment procedures were changed to enroll newborns in MississippiCAN on the day of their birth. Previously, newborns were not enrolled until, on average, their second month of life due to a delay in assigning a Medicaid identification number and the process to enroll them in a CCO.

Starting October 1, 2018, Severely Emotionally Disturbed (SED) Children were covered by MississippiCAN. These children are identified with the lock-in code of “SED,” which is effective for one year after determination. To receive Mississippi Youth Program Around the Clock (MYPAC) services, a child must have an SED lock-in code. This population was referred to as “SED Children” prior to SFY 2021. Starting in SFY 2021, this population is referred to as the “MYPAC” rate cell.

Effective July 1, 2023, postpartum coverage extends from 60 days to 12 months. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. After July 1, 2023, this redetermination will not occur until the end of the 12 months of postpartum coverage.

Throughout this report, we frequently apply the same adjustments to rate cells with similar demographics. The rate cell groups summarized in Table 5 identify the rate cells contained within each grouping referenced throughout this report.

Table 5 Mississippi Division of Medicaid MississippiCAN Capitation Rates Rate Cell Groupings	
Rate Cells	Rate Cell Grouping
Non-Newborn SSI / Disabled	SSI
Breast and Cervical Cancer	SSI
MA Adult	Adults
Pregnant Women	Adults
SSI / Disabled Newborn	Children
Non-SSI Newborns 0 to 2 Months	Children
Non-SSI Newborns 3 to 12 Months	Children
Foster Care	Children
MYPAC	Children
MA Children	Children
Quasi-CHIP	Children

COVERED SERVICES

When MississippiCAN was first established in January 2011, three key services were initially excluded from the program. Over time, each has been moved from being covered by FFS to MississippiCAN as follows:

- Behavioral health services – Rolled into MississippiCAN effective December 1, 2012
- Non-emergent transportation services – Rolled into MississippiCAN effective July 1, 2014
- Inpatient services – Rolled into MississippiCAN effective December 1, 2015

Effective October 1, 2018, MississippiCAN included costs for psychiatric residential treatment facility (PRTF) stays. Historically, these costs were carved out of MississippiCAN, although members were not dis-enrolled from MississippiCAN.

Starting July 1, 2019, services provided at institutions for mental disease (IMD) are covered as part of the MississippiCAN program.

Effective January 1, 2024, members diagnosed with Hemophilia or Von Willebrand disease are included in the MississippiCAN program. These members were previously carved out to the FFS program.

Effective July 1, 2023, Zolgensma will be included as a covered treatment for members with spinal muscular atrophy. Previously this drug was carved out and CCOs were reimbursed for any incurred costs.

Effective July 1, 2024, pharmacy services will no longer be paid by the CCOs and will instead be paid through DOM's PBA.

CCOs historically have not provided services not covered under MississippiCAN "in lieu of" covered services.

ENROLLMENT PERIOD

All beneficiaries have the ability to choose the CCO in which to enroll. Enrolled beneficiaries will have an open enrollment period during the 90 days following their initial enrollment in a CCO, during which they can enroll in a different CCO "without cause" and an open enrollment period from October to December of each year. During this time period, beneficiaries may choose to change their CCO.

Various "for cause" reasons for disenrollment at other times incorporate federal requirements, such as: providers that do not (for religious or moral reasons) offer needed services; not all related services are available in the plan's network; or the plan lacks providers experienced in dealing with the enrollee's health care needs.

Eligibility criteria for MississippiCAN are the same as the eligibility criteria for Mississippi Medicaid. To receive enhanced federal funding during the COVID-19 PHE, DOM paused disenrollment of members from the Mississippi Medicaid program who normally would no longer be eligible for Medicaid services. Where readily identifiable (e.g., individuals aging out of the program eligibility requirements or pregnant women reaching 60 days postpartum), individuals who would have lost normal Medicaid eligibility in the MississippiCAN program were transitioned to FFS for the remainder of the CCR. Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from CCOs into FFS Medicaid. Following the end of the CCR, these members Medicaid eligibility will be redetermined; members may be re-enrolled in managed care or may be disenrolled from Medicaid entirely. These redeterminations began in SFY 2023 and continue through SFY 2024.

The CCOs do not have the ability to directly market to targeted beneficiaries. DOM provides information about choice of CCOs and enrolls the beneficiaries into their chosen CCO. The Medicaid Fiscal Agent provides some specific services of an enrollment broker to accomplish these tasks.

III. BASE DATA DEVELOPMENT

This section of the report describes the development of the base data used for the preliminary SFY 2025 MississippiCAN capitation rates.

METHODOLOGY OVERVIEW

The base data for the SFY 2025 capitation rates was developed by summarizing eligibility, encounter claims, and financial claim data for CY 2022 MississippiCAN enrollees. Exhibit 9 contains databooks summarizing encounter data for CY 2022 for all rate cells. Please note, the total and PMPM costs shown in the 2022 databook include missing data. The total and PMPM costs in the 2022 databooks tie to the starting totals on Exhibit 1 if missing data is removed from the databook.

The remainder of this section is a high-level description of the processing for eligibility, encounter claim data, and financial claim data for CY 2022 MississippiCAN enrollees. In addition, any adjustments made to the raw data are discussed in this section and shown in Exhibit 1. Please refer to Appendices A and B of this report for additional information on the validation and processing of these data sources.

Membership

Member months by rate cell and region in CY 2022 were summarized from the detailed Medicaid eligibility data, excluding populations not covered by MississippiCAN and individuals that opted out of the program (where applicable). These enrollment counts were validated against enrollment information provided by the CCOs. In total, the enrollment in the eligibility files is 0.4% lower than reported by the CCOs.

Adjustments are applied to the starting enrollment records to reflect changes resulting from several adjustments described below, including:

- IMD removal: Per CMS guidelines, eligibility and claims are removed for members with IMD stays of over 15 days in a given month.
- MYPAC membership reallocation: Some members were not correctly assigned a 'SED' lock-in code during CY 2022. Although this does not impact overall enrollment, membership is shifted from other children rate cells to the MYPAC rate cell.
- SSI Children Formerly Moved to FFS Due to PRTF Stay: Membership and claims information for these members was pulled from FFS data and added to the CY 2022 MississippiCAN eligibility and encounter claims data.

Row (a) of Exhibit 1 includes the adjusted CY 2022 member months included in base data development.

Claim Data

DOM and Milliman go through extensive data validation processes to review CCO submitted encounter data. DOM regularly monitors encounter claims compared to cash disbursement journals (CDJs) to ensure the timeliness and completeness of submitted encounters and works with Myers and Stauffer to identify the correct original or final claim to keep in each claim string. Milliman relied on this claim status identification process to remove duplicates and identify denied claims that are anticipated to be resubmitted and accepted, as described in Appendix B.

As part of rate development, Milliman requests financial reporting data from each CCO. This financial reporting data was reconciled to each CCO's 2022 audited NAIC financial statement. After several rounds of questions to clarify, adjust, and confirm understanding of the reported financial information, Milliman compared the encounter data to the financial reporting data, for paid claims and subcapitated claims. This comparison excludes estimates for incurred but not reported (IBNR) claims and adjusts for any claims that were identified as missing from the processed encounter data. To align the financial templates and encounter data on a comparable basis, we performed this reconciliation exercise using CY 2022 data with run-out through June 2023.

As discussed above, DOM transitioned to a new data vendor during CY 2022. In the process of reviewing the CY 2022 data from the new data vendor, Gainwell, we noted several issues, including duplicate claims. We are still working with DOM and Gainwell to determine a possible resolution for this issue. Therefore, this base data report includes an adjustment to calibrate encounters to CCO reported financial levels at a high-level service category level. This adjustment is discussed in more detail below.

Additionally, starting on July 1, 2024, DOM entered into an arrangement with their PBA in which certain pharmacy claims are paid through the PBA. As such, we identified and removed the associated pharmacy claims from the CY 2022 base data for the purpose of developing SFY 2025 capitation rates. Please see Appendix B for a further description of the associated pharmacy services.

MYPAC Member Identification Adjustment

Beginning in July 2021, the assignment of the “SED” lock-in flag was applied inconsistently for some members. The lock-in flag is the primary means of identifying members in the MYPAC rate cell, and as such, using our current rate cell methodology, as outlined in Appendix A, some members were not assigned to the MYPAC rate cell and instead assigned to other children rate cells. We queried our enrollment records and claims data to identify members who should have been identified via the “SED” lock-in flag, but were not and reassigned them accordingly. We reassigned membership and corresponding claims amounts for 3,819 member months totaling approximately \$9.7 million from other children rate cells to the MYPAC rate cell.

The member months shown in row (a) of Exhibit 1 reflects the reassignment of these member months.

The adjustment to reassign the costs between rate cells is shown in Exhibit 1 in row (d).

Encounter to Financial Adjustment

In the development of the base data the following items are noted:

- As the CY 2022 financial data was reported using the SFY 2024 categories of service definitions, we compared financial to encounter data utilizing the SFY 2024 level of granularity, and the following notes reflect this classification.
- Overall, the paid amounts in the encounters reconcile reasonably well to the paid amounts shown in the CCO financial reporting for the MississippiCAN populations, particularly for inpatient, outpatient, physician, and other services. As Table 6 shows, in total encounter data was 0.32% higher than financial data.
- At a category of service and rate cell level, there was a greater variance between encounter data and financial reporting, particularly for the inpatient and dental categories of service, which may be most impacted by the duplicate claim issues noted above. Therefore, when calculating and applying the financial to encounter data adjustments we applied separate adjustments for inpatient and dental services. All other service categories receive the same adjustment.

Table 6	
Mississippi Division of Medicaid	
SFY 2025 MississippiCAN Capitation Rate Development	
Comparison of Financial and Encounter Data	
Difference of Encounters and Financials (% of Encounters)	
OP / Physician / Other Services	0.69%
IP Services	-2.13%
Dental Services	-2.92%
All Services	-0.32%

Encounter data for all three CCOs is combined to summarize CY 2022 claim experience for MississippiCAN enrollees. The financial reporting expenditures for all CCOs were combined to perform the encounter validation outlined above, as well as to develop the following adjustments to apply to the encounter data:

- Removal of costs that would be paid or recouped through a third party.

MILLIMAN REPORT

- Addition of IBNR expenses not yet included in encounters.
- Addition of claims paid by the CCOs that are not yet reflected in the encounter system.

All experience used to develop the base period data for the SFY 2025 capitation rates is on a net basis and excludes any member cost sharing.

Row (b) of Exhibit 1 includes the CY 2022 total service costs from the encounter data. Row (c) converts the total service costs to a PMPM basis. To reflect the differences between claims in the financial reporting and the encounter data, the financial to encounter data adjustments are applied on row (e) of Exhibit 1. Given duplicate claims and other encounter data issues noted by Gainwell and DOM, this adjustment calibrates overall encounter claims to levels reported in the financial templates.

Missing Data Adjustment

A separate adjustment was made to account for payments made by the CCOs that are not reflected in the detailed encounter data or cannot be reasonably applied to a specific claim (e.g., provider bonuses or settlements). These claim amounts are not included in the detailed encounter data after the processing outlined in Appendix B. Each CCO provided separate financial reporting to support and validate the amounts reported for claims not appearing in encounters. As the CY 2022 financial data was reported using the SFY 2024 categories of service definitions, we developed the adjustments utilizing the financial data at the SFY 2024 level of granularity and applied the resulting adjustment factors to all corresponding breakout categories of service. The detailed financial reporting provided by the CCOs included splits by region and rate cell, which were used to allocate missing data on Exhibit 1.

Overall, the base data is increased 0.5% on a PMPM basis for missing data.

The aggregate adjustment for all missing data described above is shown in Exhibit 1 in row (f).

IBNR Adjustment

The adjustment for IBNR claims as of June 30, 2023 uses the best estimate IBNR claims provided by each of the CCOs in their financial reporting. As the CY 2022 financial data was reported using the SFY 2024 categories of service definitions, we developed the adjustments utilizing the financial data at the SFY 2024 level of granularity and applied the resulting adjustment factors to all corresponding breakout categories of service.

We performed the following high-level reasonability checks to validate these estimates:

- Data, including IBNR estimates, was reported on a quarterly basis by each CCO. We reviewed the reported IBNR by quarter to determine that there was a reasonable pattern throughout the year (i.e., IBNR amounts held for Q1 2022 were significantly lower than Q4 2022).
- IBNR estimates among the CCOs were reviewed to validate that they were approximately the same as a percentage of total claims, where appropriate.
- IBNR estimates by category of service are approximately the same as a percentage of total claims as IBNR adjustments applied to the MississippiCAN data in prior years after accounting for differences in runout period between years.

Overall, the base data increased by 0.7% on a PMPM basis for IBNR claims.

This adjustment is shown in Exhibit 1 in row (g).

Non-Covered Services

As noted above, Milliman is aware of a known data issue related to identifying some non-covered physician services. Due to this known issue, we developed an estimate for CY 2022 non-covered physician services using percentages from the CY 2021 encounter data.

Additionally, Milliman summarized the costs of home health services exceeding CY 2022 service limits in the encounter data using the definitions provided by DOM, as detailed in Appendix B.

MILLIMAN REPORT

The combined amount for physician and home health services estimated to exceed CY 2022 service limits, which totaled approximately 0.2% of CY 2022 MississippiCAN service costs, were removed from CY 2022 base data at the rate cell level of detail. Service limits do not apply up to age 21, thus, base period costs were not adjusted for these members.

The adjustment to remove estimated non-covered services in CY 2022 is shown in Exhibit 1 in row (h).

Zolgensma Removal

In CY 2022, Zolgensma, a gene therapy used to treat Spinal Muscular Atrophy, was carved-out of managed care and reimbursed separately by DOM on a case-by-case basis. We removed three Zolgensma claims totaling approximately \$6.5 million from the CY 2022 base data as the CCOs were not at-risk for these claims in CY 2022. Across all rate cells, this reduced base data by 0.4%.

The adjustment to remove Zolgensma treatments in CY 2022 is shown in Exhibit 1 in row (i).

Note, starting on July 1, 2023, the Zolgensma carve-out was reversed and CCOs are at-risk for these treatments, subject to the High-Cost Pharmacy Risk Corridor. We include estimates of projected Zolgensma treatments as part of the gene therapy drug coverage adjustment in Exhibit 2, which is detailed in Section IV of this report.

Third-Party Liability (TPL) Recoveries

The CCOs provided Milliman with a summary of recoveries for TPL payments related to claims incurred in CY 2022 and recovered through December 2022. Using CY 2019 through CY 2021 data, Milliman reviewed the portion of total CY 2019 through CY 2021 recoveries recovered after the end of each year. The recovery patterns looked noticeably different in CY 2020 and CY 2021, possibly because of the COVID-19 pandemic. Therefore, we relied on CY 2019 data to estimate total claim recoveries for services incurred in CY 2022, but not yet reflected in the CY 2022 base data. It is assumed that these outstanding TPL recoveries will reduce ultimate CY 2022 paid totals.

We removed the total TPL amounts as a percentage of total paid claims across all rate cells and categories of services from the CY 2022 base data. Across all rate cells, these TPL recoveries amounted to a 0.2% reduction to CY 2022 base data. We do not have information to apply this estimate at either a rate cell or category of service level, and therefore apply a uniform adjustment for the estimate of TPL recoveries.

This adjustment is shown in Exhibit 1 in row (j).

IMD (Institution for Mental Disease) Stays Beyond 15 Days

Per CMS regulations, services rendered at an IMD beyond 15 days in a given month for individuals aged 21 to 64 cannot be covered by Medicaid. CMS requires all claims (not just IMD claims) incurred by members and the enrollment records for those same months be removed from base data for the month with the IMD stay exceeding 15 days. The enrollment shown in row (a) of Exhibit 1 is after the removal of these 93 member months. An additional adjustment was made to remove all claims for these members in the impacted months, resulting in approximately a 0.1% reduction to the CY 2022 encounter data.

This adjustment is shown in Exhibit 1 in row (k).

IMD Unit Cost Adjustment

Some IMD stays for 15 days or fewer for individuals aged 21 to 64 will be covered under MississippiCAN. We adjusted the unit cost for similar claims in the CY 2022 experience to use DOM's fee schedule for these services. These unit cost adjustments resulted in a cost increase of approximately \$700 in total.

This adjustment is shown in Exhibit 1 in row (l).

[SSI Children Formerly Moved to FFS Due to PRTF Stay](#)

From October 2018 through May 2022, DOM moved certain SSI children from COE 001 to COE 005, which is not a MississippiCAN covered population, due to a psychiatric residential treatment facility (PRTF) stay. In SFY 2025, these members will remain in COE 001 during their PRTF stay, and MississippiCAN CCOs will be responsible for expenses incurred during these stays.

We reviewed the encounter data along with a supplemental enrollment extract provided by DOM identifying the members impacted during CY 2022 and found 63 members totaling 316 member months that were moved to COE 005 from January to May 2022. The enrollment shown in row (a) of Exhibit 1 reflects the inclusion of these member months. An additional adjustment was made to add claims for these members in the impacted months to the Non-Newborn SSI / Disabled rate cell. Overall, the base data increased by 0.3% on a PMPM basis for this adjustment.

This adjustment is shown in Exhibit 1 in row (m).

[Adjusted CY 2022 PMPM Costs](#)

Total 2022 base period PMPM costs by rate cell are shown in the final row of Exhibit 1.

IV. PROJECTED SFY 2025 CAPITATION RATES

Many adjustments must be applied to the base period data to develop SFY 2025 capitation rates. This section describes the adjustments applied to the base period data described in Section III to develop SFY 2025 capitation rates. These adjustments are applied in eight steps:

1. Trend costs from base period to SFY 2025.
2. Apply adjustments for population, program, and reimbursement methodology changes.
3. Include an allowance for CCO non-service expenses.
4. Adjust rates to reflect differences in geographic area by rate cell.
5. Apply quality withhold.
6. Adjust for CCO specific risk scores (if applicable).
7. Retrospectively adjust for directed payments.
8. Calculate risk corridor settlements.

STEP 1: TREND COSTS FROM BASE PERIOD TO SFY 2025

Starting with the blended base data developed in Section III, we apply trend adjustments to project the base period to SFY 2025. Below, we describe each trend adjustment shown on Exhibit 2. The adjustments for non-pharmacy and pharmacy services for which the CCOs are responsible (physician administered drugs) are developed using differing methodologies, and therefore, described separately in this section.

Non-Pharmacy Trend Overview

Our general approach to trend development for non-pharmacy categories of service is to consider known recent changes in provider reimbursement, along with historical PMPM trend values. We then develop utilization / service mix trends that produce targeted PMPM trends. We utilize this approach because it is frequently difficult to directly measure changes in utilization for services other than inpatient hospital and pharmacy over time due to differences in counting utilization “units.”

Exhibits 7A to 7E include a historical trend summary of PMPM costs from January 2019 through September 2023 for each high-level population type and in total for the MississippiCAN program. This data has been normalized for the following to put it on a consistent basis across time:

- IBNR from the financial templates was added to the encounter data to review PMPM trends on a completed basis.
- Estimates of the impact of the following material program or reimbursement changes were removed for the applicable time periods. These changes are accounted for in separate adjustments in this report, and therefore, should not be included in data analyzed for trends.
 - Removal of Zolgensma claims
 - 5% assessment removal for OPPS services
 - Implementation of 5% assessment on non-OPPS services
 - OPPS reimbursement changes not related to the 5% assessment
 - PAD reimbursement changes
 - PRTF services
 - OP dental reimbursement change
 - GME carve out
 - NET reimbursement adjustment
 - Provider settlements
 - Financial to encounter adjustments
 - Emergency ambulance reimbursement increases
- PMPMs at a rate cell level were aggregated using September 2023 membership into higher level population groupings and MississippiCAN in total. This removes the impact of membership mix changes across rate cells over time on the aggregate PMPMs.

- No adjustments were made to account for population acuity changes over time.

Table 7 below shows the annualized utilization trends assumed in SFY 2025 capitation rates. Please see Exhibit 12 for a summary of unit cost changes for each service category and rate cell. For the MYPAC rate cell, utilization trends for physician services are dampened relative to the trends shown for other children rate cells to reflect the high proportion of physician services obtained through the MYPAC providers, for which flat utilization trends were assumed. The impact of MYPAC reimbursement changes is reflected through a separate MYPAC fee schedule adjustment, shown on Exhibit 12.

Table 7
Mississippi Division of Medicaid
MississippiCAN Capitation Rates
CY 2022 to SFY 2025 Utilization Trends (Annualized)

Service Category	Population				
	SSI	BCCP	Adults	Children	Newborn
Inpatient Hospital – Maternity / Deliveries	1.0%	1.0%	1.0%	1.0%	1.0%
Inpatient Hospital – Psychiatric / Substance Abuse	5.0%	3.0%	2.0%	3.0%	0.0%
Inpatient Hospital – Other	5.0%	3.0%	2.0%	3.0%	0.0%
Outpatient Hospital – Emergency Room	0.0%	0.0%	0.0%	0.0%	0.0%
Outpatient Hospital – Pharmacy	2.0%	2.0%	1.5%	2.5%	2.5%
Outpatient Hospital – Other	5.0%	3.0%	2.0%	3.0%	3.0%
Physician – Maternity / Deliveries	1.0%	1.0%	1.0%	1.0%	1.0%
Physician – Psychiatric / Substance Abuse	6.0%	3.0%	2.0%	3.0%	3.0%
Physician – Other	5.5%	4.0%	2.0%	3.0%	2.0%
Dental	4.0%	4.0%	4.0%	4.0%	4.0%
Other	3.0%	3.0%	3.0%	3.0%	3.0%

The development of the utilization and unit cost trend assumptions is described below.

Utilization Trend for Non-Pharmacy Costs

Utilization trend reflects expected changes in:

- Demand for medical services
- Intensity or mix of medical services
- Provider practice patterns
- Provider coding changes

The following data sources were used to develop the utilization trend assumptions:

- Historical MississippiCAN specific trends as shown in Exhibits 7A through 7E, with limited credibility applied to trends during the COVID-19 pandemic.
- Emerging Q1 through Q3 2023 experience as reported by the CCOs was additionally summarized to review recent claim trend patterns by population. We adjusted the emerging experience for the following:
 - Acuity changes between Q1 through Q3 2023 and the final acuity projected for SFY 2025 (based on enrollment as of March 2024) for the MA Adult, MA Children, and Quasi-CHIP rate cells.
 - Reimbursement changes effective July 1, 2023 and projected reimbursement changes effective July 1, 2024 were applied to put reimbursement on a SFY 2025 basis.
- Experience from similar programs in other states.

Table 8 below shows the adjusted Q1 through Q3 2023 PMPM costs for the largest population groups, as reported by the CCOs in their emerging CY 2023 financial template data. As described above, this data was adjusted to reflect the expected acuity of the population currently enrolled (as of March 2024) and adjusted to be on a SFY 2025 reimbursement basis. To help assess the reasonability of the trend assumptions selected above, we compared the adjusted Q1 to Q3 2023 PMPM costs for the largest populations to the projected service costs in SFY 2025 and the implied PMPM trend on an annualized basis between the emerging CY 2023 experience and projected SFY 2025 costs. The results are summarized below in Table 8.

Table 8 Mississippi Division of Medicaid CY 2023 Emerging Experience							
	Q1 2023	Q2 2023	Q3 2023	SFY 2025	Implied Annualized Trend From	Implied Annualized Trend From	Implied Annualized Trend From
Rate Cell	PMPM¹	PMPM¹	PMPM¹	PMPM²,³	Q1 2023	Q2 2023	Q3 2023
Non-Newborn SSI / Disabled	\$680.25	\$717.93	\$716.47	\$733.30	4.1%	1.3%	1.7%
MA Adult	\$301.52	\$303.63	\$305.69	\$315.73	2.5%	2.4%	2.4%
MA Children / Quasi-CHIP	\$164.51	\$155.71	\$165.99	\$169.81	1.7%	5.5%	1.7%

¹ Adjusted for acuity, reimbursement, and program changes.

² Adjusted to remove estimated CGT costs and the impact of extended postpartum coverage for pregnant women.

³ SFY 2025 PMPMs include estimated reimbursement changes from CY 2022 to SFY 2024, but do not include reimbursement changes from SFY 2024 to SFY 2025 in these preliminary rates.

The adjustment resulting from the selected utilization trends is shown in Exhibit 2 in row (b).

Unit Charge Trends for Non-Pharmacy Costs

The hospital inpatient, hospital outpatient, physician, and dental Medicaid FFS fee schedules are updated each year consistent with the following sources. DOM does not mandate provider reimbursement levels other than to require that reimbursement be at least as great as FFS for network providers. We assume that CCO reimbursement levels will move in tandem with changes to FFS reimbursement. Pursuant to SB2799 that was passed into Mississippi law on April 19, 2021, changes in reimbursement after July 1, 2021 will require legislative notification. HB657 was subsequently signed into law on April 19, 2022, allowing for changes in reimbursement rates as long as the payment methodology remains consistent. Based on direction from DOM we are modeling fee schedule changes for each service category as noted below. Coverage for new codes and prohibition for billing on discontinued codes is allowed. We assumed the net impact of these latter two issues will be budget neutral, but will reevaluate once data is available and adjust capitation rates, if needed. Unless otherwise noted, the fee schedule changes for prior years remained unchanged. The below sections discuss unit cost trends developed based on the fee schedule modeling provided by Conduent and Myers and Stauffer for inpatient, outpatient, and professional services.

- **Inpatient:** DOM reimburses hospital inpatient claims using an APR-DRG methodology based upon the 3M grouper. Due to issues with the detailed CY 2022 inpatient data as a result of the MMIS vendor transition, the unit cost trends continue to rely on the simulations provided by Conduent for SFY 2024 capitation rates showing the estimated impact of payment rate changes effective July 1, 2023 using an underlying mix of CY 2021 claims. No changes were made to the APR-DRG payment methodology for July 1, 2024.

Table 9 below shows the assumed annualized inpatient charge trends from CY 2022 to SFY 2025 by rate cell grouping including a 0% change for July 1, 2024. These trends are also shown by rate cell in the inpatient rows of the "all other" column in Exhibit 12.

Table 9 Mississippi Division of Medicaid Inpatient Unit Cost Trends for CY 2022 to SFY 2025	
Population	Inpatient
SSI	-1.83%
Adult	1.54%
Newborn ¹	3.34%
Children ²	-1.04%

¹ Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.

² Children include all other children rate cells.

Outpatient: DOM reimburses hospital outpatient claims using the Medicare APC methodology updated on July 1 of each year. We received the simulation of reimbursement changes for OPPS services effective July 1, 2024 from Myers and Stauffer, and these are used to develop our unit cost trends for SFY 2025 capitation rates. The simulations utilize a CY 2022 claims base data set, with separate projections for July 1, 2023 fee schedule changes and July 1, 2024 fee schedule updates. Not all services included in our outpatient service category are billed using the OPPS payment methodology, and therefore, we dampened the impact of the OPPS reimbursement changes to apply to applicable services only.

Table 10 shows the assumed annualized outpatient charge trends for non-pharmacy services from CY 2022 to SFY 2025 by rate cell grouping. These trends are also shown by rate cell in the non-pharmacy outpatient rows of the “all other” column in Exhibit 12.

Table 10 Mississippi Division of Medicaid Outpatient Unit Cost Trends for CY 2022 to SFY 2025	
Population	Outpatient
SSI	2.30%
Adult	2.55%
Newborn ¹	4.84%
Children ²	3.18%
¹ Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.	
² Children include all other children rate cells.	

- **Physician:** DOM generally reimburses physician services as a percentage of Mississippi Medicare fee schedules and updates the FFS fee schedules on July 1 of each year for the Medicare fee schedule changes from January 1 of the given year. We received the simulated impact of fee schedule changes between CY 2022 and SFY 2025 from Myers and Stauffer, and these updated values have been incorporated into the SFY 2025 capitation rates.

The simulations utilize a base data set of CY 2022 claims with separate projections for July 1, 2023 fee schedule changes and July 1, 2024 fee schedule updates. These finalized simulations are reflected in the SFY 2025 capitation rates. The Myers and Stauffer simulations excluded early and periodic screening, diagnostic, and treatment (EPSDT) claims. Therefore, we applied the same increase we observed for simulated claims for similar populations, to these claims.

The per-encounter FQHC and RHC reimbursement is included in the MississippiCAN capitation rates to provide a steadier cash flow to the RHCs and FQHCs that serve the MississippiCAN population. The CCOs are expected to reimburse FQHCs and RHCs at DOM’s per-encounter rates. DOM will monitor the utilization of services at FQHCs and RHCs under MississippiCAN to ensure services are not diverted from FQHCs and RHCs to other providers. Approximately 13.5% of costs in the high-level physician category of service are for FQHCs and RHCs. Rate increases of 3.8%, and 4.6% were applied to FQHC and RHC per-encounter rates effective January 1, 2023 and January 1, 2024, respectively. We assumed the per-encounter increase for FQHCs and RHCs to be 4.2% for January 1, 2025, the average of the prior two years.

We assumed that reimbursement for all other services remain flat from CY 2022 to SFY 2025. Additionally, we excluded PAD claims from this analysis given we develop and apply trends separately for those services.

Table 11 below shows the combined physician unit cost trends, excluding PADs, incorporating the Myers and Stauffer simulated changes, assumed EPSDT increases, appropriate FQHC and RHC trends, and flat unit cost trends for services with no anticipated changes. These trends are applied to the physician maternity, psychiatric, and the portion of the other physician trends not related to PADs. The total physician other trend is a blend of these trends and PAD trends.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

Table 11 Mississippi Division of Medicaid Physician Unit Cost Trends for CY 2022 to SFY 2025	
Population	Physician
SSI	-0.10%
Adult	0.59%
Newborn ¹	-0.72%
Children ²	0.53%

¹Newborn include SSI / Disabled Newborns and Non-SSI Newborns 0 to 2 Months.
²Children include all other children rate cells.

- **Other:** The simulated impact of fee schedule changes for July 1, 2023 and July 1, 2024 for durable medical equipment (DME), medical supplies, audiology, and vision were provided by Myers and Stauffer along with other professional claims. The additional claim level detail provided in this analysis allowed us to more precisely align the claims we bucket into the “other” service category with the correct fee schedule changes. These trends are shown by rate cell in the “all other services” row and “all other” column of Exhibit 12.

Fee schedules were also updated between CY 2022 and SFY 2025 for several additional services, which were modeled separately by Milliman. The impact of changes in reimbursement for each service are shown individually in Exhibit 12 and include the following services:

- Prescribed Pediatric Extended Care (PPEC)
- Private Duty Nursing (PDN)
- Behavioral Health Services (BHS)
- Ambulatory Surgical Centers (ASC)
- Autism Spectrum Disorder (ASD)
- Home Health (HH)
- Psychiatric Residential Treatment Facility (PRTF)
- Mississippi Youth Programs Around the Clock (MYPAC)
- Orthodontia

The unit cost trends for each of the above services were calculated by comparing the CY 2022 payment rates with those currently expected to be in place during SFY 2025, composited based on the mix of services during CY 2022. See Exhibit 12 for additional details regarding the base period costs and applied trend for each service and Exhibit 10 for documentation of the date of fee schedule changes incorporated into each type of service

Row (c) in Exhibit 2 includes the aggregate unit cost adjustment factors from CY 2022 to SFY 2025.

Physician Administered Drug Trends

We developed physician administered drug (PAD) trends using the following sources:

- **MississippiCAN-Specific Data** – We analyzed completed January 2022 to December 2023 experience for pharmacy claims administered in a medical setting, also referred to in this report as physician administered drugs (PADs). We analyzed historical experience in CY 2022 and CY 2023 by high level population and drug type.
- **Industry Research** – We reviewed recent drug trend reports from PBMs to benchmark the prospective list price and utilization trends used in our detailed modeling of MississippiCAN-specific data. Additionally, we conducted industry research to adjust trends for anticipated market events, including but not limited to, recent average sales price (ASP) price change, biosimilars, novel brand drugs, expanded treatable population for approved drugs (e.g., new indication or age expansion), and drug mix in MississippiCAN medical experience.
- **FDA Drug Approvals** – When developing prospective PAD trends, we consider the FDA approval of various new therapies. However, building explicit additional trend into capitation rates for these products is difficult due to a lack of information on expected pricing and uptake among the various populations. Therefore, we build in modest additional trend to reflect the expansion of new approvals for each population. We note, the historical experience reviewed in trend development also reflects the impact of FDA approvals that were new during those periods. For select high-cost pharmaceuticals we build explicit adjustments into the capitation rates, as outlined in Step 2, rather than incorporating into the PAD trend assumption.

Based on our analyses, we estimate annualized utilization and unit cost trends from CY 2022 to SFY 2025 shown in Table 12. Difference in aggregate trends by population in Table 12 are due to each population's historical trends and drug mix.

Table 12 Mississippi Division of Medicaid Pharmacy Trends for CY 2022 to SFY 2025				
	SSI	Adult	Children	Newborn
Annualized Unit Cost Trends	2.00%	1.50%	2.50%	2.50%
Annualized Utilization Trends	2.00%	1.50%	2.50%	2.50%

Seasonal Virus Trend Adjustment

We continue to monitor costs associated with COVID-19 (testing, treatment, and vaccinations), as well as costs associated with influenza and respiratory syncytial virus (RSV). We queried CY 2022 MississippiCAN costs associated with COVID-19, influenza, and RSV by population and compared them to similar costs in emerging CY 2023 data with runout through August 2024. Specific adjustments were made to ensure claims are not counted as both COVID-19 and influenza / RSV. Additionally, we excluded all maternity and delivery claims from being identified as either COVID-19 or influenza / RSV, given we would expect those claims to occur regardless.

We expect that seasonal virus costs in SFY 2025 will be more similar to levels observed in CY 2023, which is further removed from the height of the COVID-19 PHE than the base period experience in CY 2022. We observe material decreases in costs related to COVID-19, influenza, and RSV in CY 2023 compared to CY 2022 levels. Therefore, we applied high-level dampening adjustments to apply to CY 2022 COVID-19, influenza, and RSV costs to decrease them in line with observed CY 2023 levels. These dampening adjustments were calculated separately by population and for COVID-19 vs. influenza and RSV and the final resulting dampened cost is included in Table 13 below. The PMPM cost adjustments are scaled across service categories based on the historical cost distribution.

Table 13 Mississippi Division of Medicaid Seasonal Virus Trend Adjustment				
	CY 2022 PMPM Cost	CY 2023 PMPM Cost	Adjustment	CY 2022 Dampened Cost PMPM
SSI				
COVID-19	\$19.03	\$7.86	-55.0%	\$8.56
Flu / RSV	\$5.17	\$4.66	-5.0%	\$4.91
Total	\$24.20	\$12.51		\$13.47
Newborn				
COVID-19	\$18.39	\$12.35	-30.0%	\$12.87
Flu / RSV	\$25.32	\$22.88	-5.0%	\$24.05
Total	\$43.70	\$35.23		\$36.92
Children				
COVID-19	\$8.34	\$4.69	-40.0%	\$5.01
Flu / RSV	\$5.22	\$4.52	-10.0%	\$4.69
Total	\$13.56	\$9.21		\$9.70
Adults				
COVID-19	\$11.82	\$4.69	-60.0%	\$4.73
Flu / RSV	\$2.36	\$2.48	0.0%	\$2.36
Total	\$14.18	\$7.18		\$7.09

Row (d) in Exhibit 2 shows the adjustment for seasonal viruses.

STEP 2: APPLY ADJUSTMENTS FOR POPULATION, PROGRAM, AND REIMBURSEMENT METHODOLOGY CHANGES

The following adjustments are applied to reflect changes in expected costs due to changes between the base period and rating period.

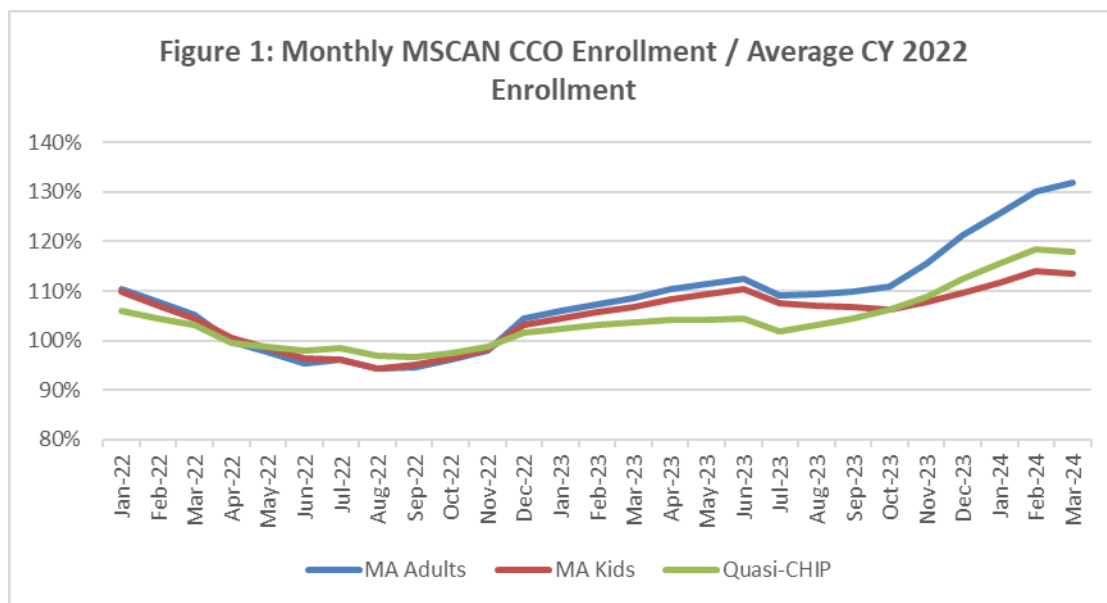
- Population Changes: Change in the mix of individuals already enrolled in MississippiCAN
- Program Changes: Changes to populations and / or services included in MississippiCAN
- Reimbursement Methodology Changes: Updates to Medicaid FFS reimbursement methodologies (assumes a parallel impact on MississippiCAN reimbursement), or changes in CCO reimbursement

Exhibit 10 summarizes the program, population, and reimbursement changes discussed in this section, the impacted rate cells for each change, and where the change is reflected in the rate development.

Population Acuity Adjustment

Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the CCR from the CCOs into FFS Medicaid. This transition from the CCOs into FFS Medicaid was concentrated in several populations where members commonly churn in and out of the Medicaid population or transition between rate cells due different income eligibility at different ages, including the MA Adults, MA Children, and Quasi-CHIP children. These transitions continued well into CY 2022, impacting the CY 2022 membership mix included in the base data used to develop SFY 2025 capitation rates.

In addition, the CCR ended on March 31, 2023, and DOM initiated eligibility redeterminations in April 2023, with disenrollments of ineligible recipients starting in July 2023 and continuing over the next 12 months. During the redetermination process, beneficiaries that had been moved from the CCOs into FFS initially that maintained Medicaid eligibility were moved back into MississippiCAN, resulting in steady CCO enrollment increases throughout CY 2023 and into CY 2024. Figure 1 shows this change in monthly enrollment compared to the average enrollment in CY 2022 for each rate cell (e.g., a ratio of 110% indicates that month's enrollment is 10% higher than the average enrollment during the CY 2022 base data).



To estimate the change in acuity due to population changes between the CY 2022 base period data and the population we expect to be enrolled during SFY 2025, we performed a risk score-based acuity analysis. We calculated risk scores for two distinct time frames:

- 1. CY 2022 (CY 2021 diagnoses and CY 2022 enrollment).
- 2. March 2024 (CY 2023 diagnoses and March 2024 enrollment used as a proxy for the population enrolled during SFY 2025).

Due to population and programmatic changes occurring in MississippiCAN since we last calculated Mississippi-specific risk scores, we did not use the custom Mississippi risk weights that have been used for risk adjustment in prior capitation rate periods. Instead, we relied on standard CDPS weights from the CDPS + Rx risk score model. We excluded pharmacy claims from the risk score model, as these claims are not included in the capitation rates for SFY 2025. Given the large changes in membership between CY 2022 and March 2024 we only looked at members that were able to be “scored,” meaning they had at least six months of enrollment during the diagnosis period.

To calculate the acuity adjustments, we compared the average risk scores for March 2024 enrollment compared to the average risk score in CY 2022 for each population. The results were very similar for MA Children and Quasi-CHIP, so the same adjustment was applied to both rate cells. The final acuity adjustments applied are a downward adjustment of 1.5% for MA Adults and an upward adjustment of 2.5% for MA Children and Quasi-CHIP, as shown in Table 14.

Table 14 Mississippi Division of Medicaid SFY 2025 MississippiCAN Capitation Rate Development Population Acuity Adjustment						
Cap Cell	CY 2022 - Scored Members		March 2024 - Scored Members		Risk Score Change	Final Acuity Adjustment
	Member Months	Average Risk Score	Member Months	Average Risk Score		
MA Adult	405,835	1.020	47,891	1.006	0.986	0.985
MA Children	2,462,797	0.947	238,373	0.972	1.027	1.025
Quasi-CHIP	275,824	0.967	27,371	0.986	1.019	1.025

Additional information about the risk scores for members enrolled in MississippiCAN during CY 2022 and March 2024, including additional splits for various time periods are shown in Tables 15 (MA Adult) and 16 (MississippiCAN children) below.

For CY 2022 MississippiCAN scored members, we reviewed the risk scores separately by quarter to assess the impact on risk scores of ongoing member eligibility redeterminations during CY 2022 when members were moved to FFS. This shows that risk scores remain relatively stable during CY 2022 as membership declines.

We similarly reviewed monthly risk scores for each scored population from December 2023 to March 2024 where we saw large membership increases as a result of member eligibility redeterminations related to the unwinding of the PHE. Tables 15 and 16 show a steady increase in membership month over month for all populations, but the impact on risk score varies by population (risk scores decrease for adults and increase for children).

Table 15 Mississippi Division of Medicaid Acuity Adjustment - MA Adult					
CY 2022 Risk Scores by Quarter					
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	CY 2022
Scored Member Months	116,213	101,521	93,607	94,494	405,835
Average Monthly Enrollment	38,738	33,840	31,202	31,498	33,820
Risk Score	1.019	1.025	1.024	1.014	1.020
December 2023 to March 2024 Risk Scores					
	December 2023	January 2024	February 2024	March 2024	
Scored Members	42,388	44,399	46,263	47,891	
Risk Scores	1.019	1.013	1.009	1.006	

Table 16					
Mississippi Division of Medicaid					
Acuity Adjustment - MA Children and Quasi-CHIP					
CY 2022 Risk Scores by Quarter					
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	CY 2022
Scored Member Months	750,429	683,691	649,991	654,510	2,738,621
Average Monthly Enrollment	250,143	227,897	216,664	218,170	228,218
Risk Score	0.941	0.949	0.954	0.949	0.949
December 2023 to March 2024 Risk Scores					
	December 2023	January 2024	February 2024	March 2024	
Scored Members	237,899	247,128	257,521	265,744	
Risk Scores	0.971	0.971	0.973	0.973	

Row (e) in Exhibit 2 shows the population acuity adjustment.

Postpartum Coverage Extension

Per SB 2212, postpartum coverage extended from 60 days to 12 months effective July 1, 2023. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. After July 1, 2023, this redetermination will not occur until the end of the 12 months of postpartum coverage. While this program change has the largest impact on the Pregnant Women rate cell, other rate cells are also expected to have minor increases in enrollment due to extending the time until eligibility redetermination to 12 months postpartum (i.e., if someone would have been disenrolled during their annual redetermination they now will remain for the additional months until 12 months postpartum). We reviewed the impact of the coverage extension on all rate cells in the MississippiCAN program and believe the PMPM impact is minimal and did not include an adjustment for any rate cell except for the Pregnant Women rate cell, given its unique eligibility requirements and historical enrollment patterns. The projected membership in Exhibit 3 includes the impact of extending postpartum coverage for all rate cells.

While this program change will add membership and service costs to the Pregnant Women rate cell, these additional months of coverage are expected to be lower on a PMPM basis than the costs included in the CY 2022 base data. We developed separate adjustments to apply to the non-delivery costs and delivery costs included in Exhibit 2.

- **Non-Delivery Costs:** The estimated PMPM cost for months 3 through 12 postpartum was developed by reviewing the relativity of the non-pharmacy PMPMs for postpartum months 1 and 2 compared to months 3 through 12 for individuals that had a delivery while in the Pregnant Women rate cell in CY 2023 and were eligible for the extended coverage effective July 1, 2023. Given the limited amount of data available and limitations on claim runout we also compared this to the PMPM relativities used in SFY 2024 capitation rate development, which was calculated based on experience in the MA Adult rate cell during CY 2021. Both data sets showed a cost relativity of roughly 75%. We then applied this relativity to the PMPM cost for postpartum months 1 and 2 for the Pregnant Women rate cell in the CY 2022 base data.
- **Delivery Costs:** Additional delivery costs will not be incurred for the additional months of membership added to the Pregnant Women rate cell. Therefore, we dampen the delivery cost PMPM to spread across the increased membership basis. The adjustment for SFY 2025 is further dampened compared to the adjustment in SFY 2024 capitation rates because the extension of coverage will be in place for a full year at the start of SFY 2025 rather than a ramp-up of additional member months during SFY 2024. Therefore, we expect a higher percentage of non-delivery months in the pregnant women rate cell in SFY 2025 compared to SFY 2024.

Table 17 below demonstrates the development of the population change factors.

Table 17
Mississippi Division of Medicaid
SFY 2025 Capitation Rate Development
Pregnant Women Rate Cell
Postpartum Extension Adjustment

		Non-Delivery Costs	Delivery Costs
Prior Eligibility: Prenatal through 60 Days Postpartum			
(A)	Member Months	96,821	96,821
(B)	Total Allowed	\$31,518,325	\$56,111,477
(C) = (B) / (A)	CY 2022 Allowed PMPM	\$325.53	\$579.54
New Eligibility: 3 through 12 Months Postpartum			
(D)	Member Months	104,491	104,491
(E)	Total Allowed	\$17,134,718	\$0
(F) = (E) / (D)	Allowed PMPM	\$163.98	\$0.00
Total Population			
(G) = (A) + (D)	Member Months	201,312	201,312
(H) = (B) + (E)	Total Allowed	\$48,653,043	\$56,111,477
(I) = (H) / (G)	Allowed PMPM	\$241.68	\$278.73
(J) = (I) / (C)	Postpartum Population Change Factor	0.742	0.481

Row (f) in Exhibit 2 shows this adjustment.

Hemophilia Population Carve-In

Starting on January 1, 2024, eligible members diagnosed with Hemophilia and Von Willebrand's disease transitioned from FFS to MississippiCAN. Historically this population has been carved-out of MississippiCAN due to the relatively high-cost associated with treatment and the infrequent and non-uniform distribution across the CCOs. DOM provided a list of 168 members with hemophilia that were transitioned from FFS to MississippiCAN on January 1, 2024. We identified 153 members in CY 2022. We included an adjustment to include these members' CY 2022 FFS claims and enrollment to their current rate cell. Additionally, we increased overall costs to reflect the additional 15 members not present in the CY 2022 and assumed these members have the same average PMPM cost as those members reflected in the CY 2022 base period data.

Row (g) in Exhibit 2 shows this adjustment.

Gene Therapy Coverage

There are several high-cost gene therapies that are currently available. We worked closely with our clinical team and the clinical team at DOM to identify eligible members and estimate potential treatment uptake percentages and total costs for treatment for each gene therapy by rate cell. Table 18 below details the assumptions and estimated SFY 2025 impact for each treatment. Additionally, please see Exhibits 14C and 14D for the full development of these amounts by rate cell.

Table 18
Mississippi Division of Medicaid
SFY 2025 Capitation Rate Development
Gene Therapy Estimates

Condition	Therapy	Number of Treatments	Pharmacy Cost per Treatment	Inpatient Cost per Treatment	Total Anticipated Treatment Cost
Beta-Thalassemia	Zynteglo	1	\$2,800,000	\$200,000	\$3,000,000
Duchene Muscular Dystrophy	Elevydis	1	\$3,200,000	\$0	\$3,200,000
Hemophilia A	Roctavian	2	\$2,900,000	\$0	\$5,800,000
Hemophilia B	Hemgenix	1	\$3,500,000	\$0	\$3,500,000
Sickle Cell Disease	Lyfgenia / Casgevy	6	\$2,650,000	\$200,000	\$17,100,000
Spinal Muscular Atrophy	Zolgensma	3	\$2,254,412	\$0	\$6,763,236
Total		14	\$2,711,660	\$100,000	\$39,363,236

Row (h) in Exhibit 2 shows this adjustment.

Gene Therapy Coverage Savings

The gene therapies listed above are assumed to significantly reduce or eliminate symptoms of the underlying condition. We queried CY 2022 claims data for potential utilizers meeting the clinical profile for each gene therapy to analyze what historical costs looked like for these members. We reviewed this information with our clinical team and determined that a majority of costs associated with the underlying condition that are likely to be alleviated by the new gene therapies are related to pharmacy services. Since pharmacy claims not administered as part of the medical benefit are not included in capitation rates for SFY 2025, we have not applied a savings adjustment to the capitation rates reflecting a cost reduction.

Preventative and Diagnostic Dental Reimbursement Change

Per SB2799 signed into law on April 19, 2021, the payment rate for preventative and diagnostic dental services was increased by 5% effective on both July 1, 2022 and July 1, 2023. We determined the proportion of CY 2022 dental claims identified as preventative or diagnostic (defined as procedure codes D0100 through D1999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on preventative and diagnostic dental services with a 0% reimbursement adjustment on other dental services.

The cumulative preventive and diagnostic dental reimbursement change is shown in row (i) in Exhibit 2.

Restorative Dental Reimbursement Change

Per HB657 signed into law on April 19, 2022, DOM increased the payment rate for restorative dental services by 5% on both July 1, 2022 and July 1, 2023 and will increase by another 5% effective on July 1, 2024. We determined the proportion of CY 2022 dental claims identified as restorative (defined as procedure codes D2000 through D2999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on the restorative services with a 0% reimbursement adjustment on other dental services, after adjusting for the preventative and diagnostic reimbursement changes discussed above.

The cumulative restorative dental reimbursement change is shown in row (j) in Exhibit 2.

Immaterial Program, Population, and Reimbursement Methodology Changes

There are several program, population, and reimbursement changes between the base period experience and SFY 2025 that we did not build an explicit adjustment into rates for, given the projected budget neutral or immaterial impact. These changes are described below.

- Tobacco Cessation – effective July 1, 2023, coverage for smoking cessation counseling services was expanded to cover up to 12 sessions per year. It is estimated that the impact to capitation rates for this change is negligible, so no adjustment was applied.

STEP 3: NON-SERVICE EXPENSE ALLOWANCE

Administrative Expenses, Premium Tax, and Targeted Margin

The administrative allowance included in the capitation rate is intended to cover administrative costs, including the following:

- Case management.
- Utilization management.
- Claim processing and other IT functions.
- Customer service.
- Provider contracting and credentialing.
- TPL and program integrity.
- Member grievances and appeals.
- Financial and other program reporting.
- Local overhead costs.
- Corporate overhead and business functions (e.g., legal, executive, human resources).

Exhibit 3 shows the build-up of the non-service expenses, comprised of the following components for SFY 2025:

- \$9.99 PMPM for fixed administrative costs.
- 5.98% of revenue less directed payments for variable administrative costs.
- 1.80% of revenue less directed payments for target underwriting margin and cost of capital.
- 3.00% for the Mississippi premium tax.

Table 19 displays the non-service expense allowance included in the SFY 2025 rates. All percentages of revenue are shown excluding directed payment revenue, which is ultimately not at risk to the CCOs.

Table 19 Mississippi Division of Medicaid SFY 2025 MississippiCAN Non-Benefit Expenses		
	% of Revenue	PMPM
Fixed Costs ¹	2.56%	\$9.99
Variable Costs ²	5.97%	\$23.31
Premium Tax ²	3.00%	\$11.71
Margin ²	1.80%	\$7.03
Total	13.33%	\$52.04

¹ Included in the rate as a PMPM, equivalent % of revenue shown.

² Included in the rate as a % of Revenue, equivalent PMPM is shown.

The administrative expense allowance for SFY 2025 was developed by trending the fixed and variable allowances from CY 2022 financial data provided by the CCOs, combined for MississippiCAN and CHIP. These reported expenses were then adjusted to limit PMPM increases to the employment cost index (ECI) trend of 5.1% between CY 2021 and CY 2022 on a CCO level, if applicable, and to adjust administrative expenses consistent with the administrative expense audits conducted by Myers and Stauffer and related party administrative expense analysis completed by DOM. Applying adjustments consistent with the audit report and related party expenses decreased the CCO reported administrative costs by roughly 3.5% (\$1.24 PMPM) and limiting the PMPM trend to 5.1% for the one CCO with higher trend decreased the reported administrative costs another 8.7% (\$3.03 PMPM). Compared to CY 2021 administrative expenses underlying the SFY 2024 capitation rate, adjusted CY 2022 administrative expenses are down 1.1% on a PMPM basis from \$36.42 to \$36.02 alongside membership decreases for the same time period of 15% to 20%.

Adjusted CY 2022 administrative expenses were trended by an annual trend of 3.8% from CY 2022 to SFY 2025. The 3.8% annual trend is a blend of actual employment cost index (ECI) data from CY 2022 through CY 2023 of 4.4% and an assumed 3.4% annual trend from CY 2023 to SFY 2025. The future 3.4% trend assumption is consistent with the average ECI annual change from CY 2018 through CY 2022. The ECI data reflects expected changes in wages and other services that comprise a majority of administrative costs. In addition, we reviewed the CMS Medicare Economic Index (MEI) that includes actual changes through June 2023 and forecasted quarterly changes afterwards. The MEI from CY 2022 through SFY 2025 has an annualized change of 3.8%, similar to our analysis with the ECI data.

Administrative costs for SFY 2025 were also adjusted to reflect the transition of certain pharmacy claims from the CCOs to the DOM contracted PBA. Based on reporting provided by the CCOs and DOM, we estimate that approximately 85% of reported CCO PBM costs incurred during CY 2022 are related to duties that will no longer be performed by the CCOs in SFY 2025 and were therefore removed, resulting in a decrease in administrative costs of roughly \$2.39 PMPM or approximately 7.5%. After the removal of these PBM fees the administrative expenses are projected to decrease by 10.7% on a PMPM basis compared to SFY 2024.

Finally, the administrative expenses are split between the MississippiCAN and CHIP programs, based on the distribution of costs in prior financial template reporting that split MississippiCAN and CHIP expenses. The final overall projected administrative cost PMPM (for fixed and variable expenses) is \$33.30 for the MississippiCAN program in SFY 2025 as shown in columns (c) and (e) of Exhibit 3.

The margin of 1.8% of revenue is applied in column (f) of Exhibit 3 and premium tax of 3.00% of revenue is applied in column (i) of Exhibit 3 for costs included in the capitation rates and Exhibit 13 for state directed payments.

STEP 4: ADJUST FOR GEOGRAPHIC AREA

CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions (as defined in Appendix A): North, Central, or South. Table 20 shows the geographic area factor adjustments that are applied based on a beneficiary's region.

Table 20 Mississippi Division of Medicaid Area Factors			
Area Factors			
Region	SSI	Adults and Deliveries	Children
North	0.878	0.995	1.020
Central	1.042	1.026	1.078
South	1.095	0.981	0.909

We developed the geographic area factors on a budget-neutral basis by blending projected claims PMPM across rate cell groupings weighted upon the statewide rate cell distribution for each region and reviewing the relative difference in PMPM cost for each region. We created three different rate cell groups (as shown in Table 5) to aggregate experience for similar rate cells, so that we could adequately reflect area factor differences among rate cells and still maintain credibility.

Exhibit 4 includes the resulting capitation rates for each region using these area factors.

STEP 5: ADJUST FOR QUALITY WITHHOLD

Continuing in SFY 2025, a 1.0% quality withhold will be placed on capitation rates for the MississippiCAN program. The terms of the withhold arrangement are outlined in the contract with the CCOs. To earn back the withhold the CCOs must achieve HEDIS scores for the following conditions that are greater than or equal to 2.0% above the baseline HEDIS scores, with a percentage of the withhold assigned to each category. The benchmarks for SFY 2025 will be set based on the average of all CCO reported scores from calendar years 2021 and 2022 (prorated based on member months).

Each of the following HEDIS measures will be used to earn back one twelfth (approximately 8.33%) of the quality withhold, for approximately 83.33% total across all HEDIS measures:

- Well-Child First 30 months (W15 metrics impact the quality withhold; W30 is reporting only for SFY 2025):
 - Six or more visits for children 15 months of age
 - Two or more visits for children 30 months of age
- Immunization for Adolescents (IMA):
 - Combination 2: Meningococcal, Tdap, and HPV
- Anti-Depressant Management-Acute (AMM-AD):
 - Effective Acute Phase Treatment
- Follow-Up After Hospitalization for Mental Illness:
 - 30 Days – Ages 6 to 17
- Prenatal and Postpartum Care (PPC-AD):
 - Timeliness of Prenatal Care
- Comprehensive Diabetes Care:
 - HbA1c Testing

- Blood Pressure Control
- Eye Exams
- Adult and Children Asthma Control – Ages 5 to 64
- Adults Pharmacotherapy Management of COPD Exacerbation: Systemic Corticosteroid

DOM will be monitoring readmission rates reported as part of the QIPP in SFY 2025. For SFY 2025, this will be included as a scored metric for the quality withhold. During SFY 25, CCOs will be required to improve their actual-to-expected (A/E) ratio compared to the baseline years by 2.0% if the baseline A/E ratio is >1.0 or not allow the A/E ratio to be >1.0 for the reporting period if the baseline A/E ratio is <1.0. During SFY 2025, CY 2020 and CY 2021 will serve as the baseline years. This PPHR measure will be used to earn back 8.33% of the quality withhold.

Consistent with SFY 2024, DOM will also be monitoring the cesarean section (C-section) rates among all births paid for by a CCO during the measurement period (CY 2024) and comparing to the baseline period (CY 2021). To earn back the final 8.33% of the withhold a CCO must improve their individual C-section rate by two (2.0) percentage points during the measurement period compared to the baseline period.

If a CCO does not have sufficient data to consider its HEDIS scores credible, DOM will not hold the CCO liable for not meeting the measurement. In this case, the portion of the incentive withheld related to that measurement will be returned to the CCO. DOM will not prorate the results for a CCO based on the outcomes of the measures attained during SFY 2025. After discussions with DOM about the metric development and expectations, we believe that a return of 100% of the withhold is reasonably achievable by the CCOs.

Exhibit 4 includes the resulting capitation rates for each region net of the quality withhold.

STEP 6: ADJUST FOR CCO-SPECIFIC RISK SCORE (IF APPLICABLE)

Risk Adjustment for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP Rate Cells

The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be further adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). Costs for the Breast and Cervical Cancer, Foster Care, and Pregnant Women populations are less variable since they tend to utilize similar services across each population. In addition, some of the population sizes are too small from which to develop custom weights specific to the covered services and MississippiCAN reimbursement levels. Therefore, we do not risk adjust these populations. Since the risk adjustment is prospective, there is no historical diagnosis information from which to develop a risk score for newborns.

The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO. Risk adjustment will be budget-neutral to DOM. This risk sharing mechanism is developed in accordance with generally accepted actuarial principles and practices.

To establish these risk scores, the CDPS + Rx risk adjuster will be run with risk weights consistent with services covered in MississippiCAN for the given time period. These risk weights are calculated using Mississippi FFS and encounter data for the Non-Newborn SSI / Disabled, MA Adult, MA Children, Quasi-CHIP, and CHIP populations. In addition, a beneficiary must have at least six months of eligibility in the data year to be scored. If a beneficiary does not have enough data, they will receive a score based on demographic information, such as age and gender. We will monitor the percentage of CCO enrollees who are not scored and adjust the methodology if necessary.

DOM's MMIS vendor changed in October 2022, and we have been working to evaluate the quality of the membership and encounter claims data after this transition. This evaluation is now complete, allowing us to utilize this data to develop updated population-specific cost weights and risk scores reflecting the populations and services covered during SFY 2025. We updated risk weights and risk scores for the first half of SFY 2025 (July through December 2024) using CY 2023 encounter and FFS data with runout through April 26, 2024, as well as June 2024 enrollment data. We have not calculated the risk scores for the second half of SFY 2025 (January through June 2025), but we plan to complete this work by the end of the year.

Table 21
Mississippi Division of Medicaid
CCO Capitation Rate Risk Adjustment Schedule
SFY 2025 Capitation Payments

Rate Cell	Capitation Payments	Diagnosis Source Data	Enrollment Source
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	July 2024 to December 2024	CY 2023 Encounter and FFS claims with runout through April 26, 2024	June 2024
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	January 2025 to June 2025	SFY 2024 Encounter and FFS claims with runout through August 30, 2024	October 2024

Risk Adjustment for the Foster Care Rate Cell

Starting in SFY 2021, the Foster Care rate cell is concurrently risk adjusted after the risk adjustment period ends. The Foster Care rate cell will be risk adjusted using a custom risk adjustment model that does not depend on the CDPS + Rx risk adjuster. After testing the predictive ability of several potential models, we determined the member's eligibility for either state or federal financial assistance was the most accurate indicator of the member's risk score. This status is captured by the money code field on DOM's enrollment records. Updated risk weights for each money code were calculated using more recent data, and reflecting changes to the covered population. These risk weights will be used for calculating foster care risk scores for SFY 2025.

Unlike the other risk-adjusted populations, risk adjustment for the Foster Care rate cell will be applied concurrently after the risk adjustment period ends. Given the small size of the Foster Care rate cell, small fluctuations in membership could have a material impact on risk adjustment if applied prospectively. Therefore, we will continue to concurrently risk adjust the Foster Care rate cell in SFY 2025.

Application of Risk Scores

A CCO's capitation rate will be determined based upon the following formula:

$$\text{CCO Capitation Rate} = \text{Base Capitation Rate} \times \text{CCO Normalized Risk Factor}$$

The base capitation rates are found in Exhibit 4.

The CCO normalized risk factor will equal the average risk factor across all beneficiaries that a CCO enrolls divided by the average risk factor for the rate cell's population. Regional risk scores will be normalized to ensure the risk adjustment process is revenue neutral across all CCOs.

STEP 8: DIRECTED PAYMENTS

DOM will process the capitation rate adjustments for multiple directed payments outside of the monthly capitation rate payment system in the form of payments to the CCOs for the actual amount paid to providers and the associated premium tax impact related to these payments. We will calculate and certify adjusted CCO-specific capitation rates at the conclusion of SFY 2025. This recertification is expected to be completed by June 2026.

MHAP Overview

Concurrent with the inclusion of inpatient hospital services in MississippiCAN capitation rates effective December 1, 2015, MHAP was established. This program helps to ensure sufficient access to inpatient and outpatient hospital services for the Medicaid population by including enhanced hospital reimbursement in the capitation rates.

MHAP is funded through a broad-based hospital assessment for facilities in Mississippi and an intergovernmental transfer (IGT) for a facility in Memphis (located within a county contiguous to Mississippi). This provider assessment is outlined in Miss. Code Ann §43-13-145.

Per CMS’s approval on January 12, 2018, beginning in SFY 2018 MHAP began to transition to directed payments according to the specifications and requirements of 42 CFR 438.6 et seq. Table 22 displays the two components of MHAP (FSA and QIPP) and the total dollars in each component from SFY 2024 to SFY 2025.

Table 22 Mississippi Division of Medicaid MississippiCAN Capitation Rates MHAP Distribution by SFY			
SFY	MHAP FSA	MHAP QIPP	Total MHAP
2024	\$733,317,426	\$788,996,459	\$1,522,313,885
2025	\$719,679,373	\$820,744,321	\$1,540,423,694

The roughly \$18 million in additional funding from SFY 2024 to SFY 2025 is comprised of an increase of roughly \$43.5 million (described in the MHAP QIPP section below) and a decrease of approximately \$25.4 million for the removal of payments to an out of state children’s hospital.

MHAP FSA

For SFY 2025, a payment of \$719.7 million is included as a directed FSA on inpatient and outpatient claims that will be paid monthly outside the capitation rates as a separate payment term.

The preliminary FSA amounts are shown in column (c) of Exhibit 13, consistent with the program design that 60% of the \$719.7 million will be paid for inpatient hospital services, and 40% will be paid for outpatient hospital services using projected SFY 2025 membership. These calculations were performed across all MississippiCAN rate cells with each of the inpatient and outpatient FSA percentage impacts applied uniformly. This results in a larger proportion of the FSA funding included in rate cells with higher inpatient and outpatient utilization.

The estimated FSA PMPM in Exhibit 13 is based on projected SFY 2025 membership and estimated utilization across all CCOs. Due to actual vs. projected CCO-specific MississippiCAN membership and claim utilization, this estimated capitation adjustment may result in an overpayment or underpayment of the FSA in SFY 2025 if no adjustments are made. The final CCO specific FSA amounts will be calculated on a PMPM basis at the end of SFY 2025, and the appropriate documentation will be provided to CMS.

The adjustments to capitation rates are consistent with the preprint that was approved by CMS for SFY 2025 on June 26, 2024 with an amendment approved by CMS on December 11, 2024. The control name for this preprint is MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630.

The MHAP FSA additive adjustment is shown in column (c) in Exhibit 13. An additional allowance for premium tax on the MHAP FSA is included in column (d) in Exhibit 13.

MHAP QIPP

Beginning in SFY 2020, a quality incentive payment program (QIPP) was included as a component of MHAP. Consistent with the preprint submitted to CMS, the QIPP will be paid as a uniform payment arrangement for SFY 2025. The goal of the QIPP is to utilize state and federal investments to improve the quality of care and health status of the Mississippi Medicaid population. The introduction of QIPP was a multi-year process with an increasing percentage of the payments linked to performance improvements achieved and maintained by the hospital industry.

For SFY 2025, the QIPP will consist of approximately \$820.7 million, which will be paid outside of the capitation rates on a quarterly basis as a separate payment term. DOM will determine the payments made to facilities based on agreed upon performance measures. Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2025 to include a QIPP PMPM for each CCO, which will include a provision for premium tax.

New for SFY 2025, additional funding of \$43.5 million is included in the expected QIPP payments related to a new VBP arrangement in which hospitals can earn bonus payments for meeting performance levels assigned to a variety of metrics. These payments will only be made to hospitals that meet the prescribed performance levels for each metric.

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

MILLIMAN REPORT

The adjustments to capitation rates are consistent with the preprint that was approved by CMS for SFY 2025 on June 26, 2024 with an amendment approved by CMS on December 11, 2024. The control name for this preprint is MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630.

The MHAP QIPP additive adjustment is shown in column (e) in Exhibit 13. An additional allowance for premium tax on the MHAP QIPP is included in column (f) in Exhibit 13.

TREAT Program

Beginning July 1, 2022, emergency ambulance reimbursement are proposed to be increased consistent with a §438.6(c) directed payment for eligible providers. Subject to CMS approval, payments for the TREAT program are estimated to be \$25.3 million for SFY 2025 and will be paid outside the capitation rate as a uniform payment arrangement.

Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2025 to include a TREAT PMPM for each CCO, which will include a provision for premium tax.

The adjustments to capitation rates are consistent with the preprint that was approved by CMS for SFY 2025 on July 22, 2024. The control name is MS_Fee_Oth_Renewal_20240701-20250630.

The TREAT additive adjustment is shown in column (g) in Exhibit 13. An additional allowance for premium tax on the TREAT payments is included in column (h) in Exhibit 13.

Mississippi MAPS Program

Beginning in SFY 2020, the Mississippi Medicaid Access to Physician Services (MAPS) program enhanced payments to physicians who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital. The term "qualifying hospital" means a Mississippi state-owned academic health science center with a Level 1 trauma center, Level 4 neonatal intensive care nursery, an organ transplant program, and more than a four hundred (400) physician multispecialty practice group.

DOM will require that CCOs provide the same supplemental percentage increase, equal to 58.63% of Medicare rates, to all qualifying providers. Payments in SFY 2025 are expected to be \$29.5 million. Similar to MHAP, capitation rates will be retroactively adjusted for SFY 2025 to include a MAPS PMPM including a provision for premium tax for each CCO and rate cell based on actual membership and utilization. The appropriate documentation will be submitted to CMS at the time of this retroactive adjustment.

This program is being made under a §438.6(c) payment arrangement consistent with the preprint that was approved with CMS for SFY 2025 on December 23, 2024. The control name is MS_Fee.VBP_AMC_Renewal_20240701-20250630.

The MAPS additive adjustment is shown in column (i) in Exhibit 13. An additional allowance for premium tax on the MAPS is included in column (j) in Exhibit 13.

MOMS Program

Beginning in SFY 2025, the Mississippi Outcomes for Maternal Safety (MOMS) program was established to address Mississippi's high rates of severe maternal morbidity (SMM). This program will support redesigned care delivery by incorporating new discharge protocols and requirements for post-discharge follow-up appointments. The MOMS initiative is based on a performance improvement model designed to incentive hospitals and outpatient providers to evaluate SMM risk and ensure timely postpartum follow-up, aiming to improve maternal health outcomes and reduce maternal morbidity. To qualify for the incentive payment, hospitals must complete a MOMS risk score assessment for each patient, assigning the appropriate risk score after delivery and at discharge. This score is crucial as it informs the timing requirement for incentive payment of ongoing post-discharge care. Hospitals will receive incentive payments for each patient where this process is successfully completed and submitted. We expect payments will be made annually after the close of the SFY 2025 time period. Capitation rates will be retroactively adjusted to include the final MOMS payment (including applicable premium tax) for each CCO and rate cell based on actual payments once known.

This program is being operated under a \$438.6(c) payment arrangement consistent with the preprint that was filed with CMS for SFY 2025 on December 2, 2024 under the control name of MS_VBP_IPH.PC.SP_New_20240701-20250630.

The MOMS additive adjustment is shown in column (k) on Exhibit 13. The applicable premium tax amount is shown in column (l) on Exhibit 13.

Table 23 below shows a summary of the directed payment amounts for SFY 2024 and SFY 2025.

Table 23 Mississippi Division of Medicaid Summary of Directed Payments by SFY		
	SFY 2024	SFY 2025
Total MHAP	\$1,522,313,885	\$1,540,423,694
MHAP FSA	\$733,317,426	\$719,679,373
MHAP QIPP	\$788,996,459	\$820,744,321
MAPS	\$39,420,290	\$29,526,177
TREAT	\$20,616,966	\$25,285,224
MOMS ¹	N/A	\$6,603,083
Total Directed Payments	\$1,582,351,141	\$1,601,838,118

¹ The preprint for the SFY 2025 MOMS program is pending CMS approval.

STEP 9: CALCULATE RISK CORRIDOR SETTLEMENTS

Subject to CMS approval, DOM will implement a symmetrical risk corridor to address the uncertainty around cell and gene therapies (CGTs) and other potential high-cost medications.

High-Cost Pharmacy Risk Corridor

Some Medicaid members have conditions requiring very expensive drug treatments. These members are infrequent and not evenly distributed among the CCOs. To help mitigate the CCO's risk, the state is continuing the high-cost pharmacy risk corridor started in SFY 2024, subject to CMS approval. The risk corridor is applicable to total drug spend and related costs due to administration and monitoring for specified products of \$250,000 or more per year at a member level. Table 24 below, as well as Exhibit 14A, include a PMPM estimate of the costs that will be covered in the high-cost pharmacy risk corridor specific to each rate cell. Please see Exhibits 14C and 14D for the detailed calculations of the high-cost pharmacy targets below. The actual costs from the CCOs will be compared to these estimated costs for the settlement calculations.

Table 24 Mississippi Division of Medicaid SFY 2025 High-Cost Pharmacy Risk Corridor	
Rate Cell	SFY 2025 High-Cost Pharmacy Target PMPM
Non-Newborn SSI / Disabled	\$35.09
Breast and Cervical Cancer	\$0.00
MA Adult	\$0.64
Pregnant Women	\$0.00
SSI / Disabled Newborn	\$0.47
Non-SSI Newborns 0 to 2 Months	\$28.38
Non-SSI Newborns 3 to 12 Months	\$17.05
Foster Care	\$5.10
MYPAC	\$0.00
MA Children	\$4.04
Quasi-CHIP	\$0.00
Total	\$8.43

Table 25 summarizes the share of gains and losses relative to the estimated high-cost pharmacy costs for each party.

Table 25 Mississippi Division of Medicaid Proposed High-Cost Pharmacy Risk Corridor Parameters		
CCO Gain / Loss	CCO Share of Gain / Loss in Corridor	DOM Share of Gain / Loss in Corridor
Less than -6.0%	0%	100%
-6.0% to -3.0%	50%	50%
-3.0% to +3.0%	100%	0%
+3.0% to +6.0%	50%	50%
Greater than +6.0%	0%	100%

The high-cost pharmacy risk corridor will be implemented using the following provisions:

- Estimated high-cost pharmacy costs are calculated separately for each rate cell based on the expected mix of high-cost products.
- Each rate cell's actual high-cost pharmacy costs will include payments made for the following:
 - All drugs billed as medical claims with a HCPCS code that starts with the letter “J.”
 - Inpatient stays for the administration and monitoring for select gene therapies and other select products. The estimated pharmacy costs included in the high-cost risk corridor include the following; however, DOM will monitor and revise the list of approved products if additional products are covered by DOM for use during SFY 2025.
 - Lyfgenia
 - Casgevy
 - Zynteglo
- The timing of the initial and final high-cost pharmacy risk corridor settlements are outlined below.
 - The initial settlement will occur after the contract year is closed, using six months of runout.
 - The final settlement will occur once the MLR audit has been completed. MLR audits are usually completed 12 to 18 months after the close of the SFY.
- The 91.3% minimum MLR provision (Federal MLR definition) in the CCO contract will apply after the high-cost pharmacy risk corridor settlement calculation.

STEP 10: OTHER PROGRAM CONSIDERATIONS

Minimum MLR Requirement

The program includes a minimum federal MLR requirement of 91.3% of revenue. The sum of medical expenses and HCQI expenses must meet or exceed 91.3% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 91.3% threshold is not met, CCOs return revenue to DOM until the threshold is met.

Value-Based Payment Incentive Program

Effective July 1, 2024, DOM will implement a value-based payment incentive program (VBP) as part of the MississippiCAN contract. In alignment with DOM's Comprehensive Quality Strategy the VBP will target three primary focus areas: maternal health, metabolic health, and mental health.

- Maternal Health. Mississippi has the highest maternal mortality rate in the country with 82 maternal deaths per 100,000 births. Mississippi also has the highest percentage of births by black mothers (42% of all births) in the country, which is significant given that black women have higher mortality rates than any other racial or ethnic group.

- **Metabolic Health.** Nationally, obesity rates have risen, and obesity is a significant contributor to a host of conditions, such as type II diabetes, hypertension, coronary artery disease, stroke, and many others. Mississippi has the sixth highest obesity rate in the country with more than 39% of its residents being obese. Additionally, the percentage of the Mississippi Medicaid population that is considered to be obese is estimated to be higher than the state average with obesity rates being higher among individuals with lower income.
- **Mental Health.** Mental health has an impact on physical health. For example, depression increases the risk for many conditions, such as diabetes, heart disease, and stroke. Mississippi was ranked 47th in the nation for access to mental health services. Additionally, mental health conditions have been shown to contribute to a large proportion of pregnancy-related deaths (23%).

The program will consist of associated quality measures, payment arrangements and amounts, as determined and defined by DOM, which promote quality in the delivery of services. DOM will leverage the Health Care Payment Learning & Action Network (LAN) Framework that characterizes payment models. Within this framework, the progression of payment models is tied to cost and quality and progress from fee-for-service models in Category 1 to population-based payments at Category 4. Similarly, the VBP will be phased in, such that a portion of incentives are tied to pay for reporting on the implementation of redesigned systems and performance measures (Category 2B) and will transition to pay for performance (Category 2C), while a portion of incentives will begin as pay for performance.

While the program launch is July 1, 2024 to align with the CCO contract start date, the first performance period will be based on CY 2024 data and will be reported in July 2025. Each subsequent program year will be based on the calendar year and reported annually in July.

For SFY 2025, the following performance measures are to be assessed and incentivized:

1. Severe Maternal Morbidity Risk Assessment – Part A: Assessment Completion, and Part B: Timely Follow-up.
2. Low-risk Cesarean Delivery (LRCD-CH).
3. Antidepressant Medication Management (AMM-AD).
4. Diabetes Screening for People with Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medication (SSD-AD).

Severe Maternal Morbidity (SMM) includes the unexpected outcomes of labor and delivery that result in significant short- or long-term consequences to a woman's health. To manage poor outcomes, Mississippi will use diagnostic information to develop a maternal health risk assessment to be used by hospitals at time of discharge. Based upon the Mississippi Outcomes for Maternal Safety (MOMS) score assigned to the beneficiary at the time of discharge, required interventions will be employed to ensure follow-up care within specified timeframes. Incentives will be based initially upon reporting on assessment and follow-up implementation activities (e.g., technology infrastructure), then transition to pay for reporting performance, and in future performance years, transition to pay for performance.

The new VBP program builds upon the current CCO incentive withhold program as a quality-based incentive (i.e., bonus) payment in addition to the CCO's monthly capitation rates. Under the VBP program, each CCO will be eligible to receive additional funds over and above base capitation rates. Monetary incentives will not exceed one-quarter percent (0.25%) above the capitation payment and, as such will not be in excess of 105% of the approved capitation payments in accordance with 42 C.F.R. § 438.6(b). The introduction of the VBP program does not impact how capitation rates were calculated for SFY 2025.

DOM will apply a weighted percentage of the eligible incentive allocation, and each measure will be evaluated separately for payment.

Pay for performance incentives will be based on statewide performance targets. Targets will be defined by DOM using nationally available benchmarks where available and align to the CCO incentive withhold program, as applicable. Failure to meet a measure target will result in no incentive being paid for that measure. There will be no partial incentive payments awarded.

The payment model will recognize the contributions of CCOs, hospitals and other providers, through the distribution of incentive payments to the CCOs that are then shared as applicable and in proportions as set by DOM. In exchange for incentives created through the VBP, CCOs, hospitals, and other providers are expected to collaborate with one another,

utilizing care management and other available tools to ensure that performance targets set by DOM are met. At DOM's discretion, additional incentives for CCOs may include priority in CCO auto-enrollment, with higher performing CCOs having the potential to be assigned auto-enrolled members at a higher percentage rate.

Upon collection of data in July of each year, DOM will review actual performance to target performance to calculate measure achievement. Based on performance achieved, incentive payment will be calculated. CCOs will receive a performance report indicating performance and payment achieved. CCOs will have an opportunity to review and request information or a reconsideration of payments applied. DOM will then finalize and release incentive payments. The timeline will align with the CCO incentive withhold program and allows six months after the calendar year to gather, review and analyze the applicable data. CCOs are then expected to share incentives with hospitals and other providers based on program requirements.

EXHIBITS 1 THROUGH 15

(Provided in Excel Format Only)

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

February 6, 2025

APPENDIX A

SFY 2025 Rate Cell Definitions

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

February 6, 2025

APPENDIX A

SFY 2025 RATE CELL DEFINITIONS

This section of our report outlines the rate cell definitions to be used for SFY 2025 for the populations addressed in this report. These definitions are summarized in Table 1 below. Capitation rate cells for SFY 2025 were kept consistent with the SFY 2024 capitation rate cells. Previously the MA Adult and Pregnant Women rate cells included an additional breakout of delivery service costs in Exhibit 2, which has been removed now that level of detail is provided for delivery costs as part of the service category breakouts.

Table 1 Mississippi Division of Medicaid Rate Cell Definitions			
Rate Cell Grouping for Assumption Development	Rate Cell	Age Requirement	Category of Eligibility (COE)
Children	SSI / Disabled Newborns	Ages 0 to 12 months (13-month duration)	001, 019
Children	Non-SSI Newborns – age 0 to 2 months	Ages 0 to 2 months (3-month duration)	003, 026, 071, 088
Children	Non-SSI Newborns – age 3 to 12 months	Ages 3 to 12 months (10-month duration)	003, 026, 071, 088
Children	MA Children	Ages 1 to 19	072, 073
Children	Quasi-CHIP	Ages 1 to 19	074
Children	MYPAC ¹	Ages 1 to 20	N/A, Lckn_cd = SED
Children	Foster Care	Ages 1+	003, 026
Adult	Pregnant Women	Ages 8 to 64	088
Adult	MA Adult	Ages 19+	075
SSI	Non-Newborn SSI / Disabled	Ages 1+	001, 019, 025
SSI	Breast and Cervical Cancer	N/A	027

¹ MYPAC rate cell is defined using the 'SED' lock-in code along with claims and eligibility information due to issues with the 'SED' lock-in code after July 1, 2021.

All rate cell eligibility excludes the following individuals not enrolled in MississippiCAN:

- Retroactive membership
- Dual eligible members
- Institutionalized beneficiaries in a long-term care facility
- Individuals in the following waiver programs: WAL, WED, WMR, or WTB

Additionally, fee-for-service (FFS) eligibility and claims data will be used to summarize experience for members with hemophilia or Von Willebrand disease in CY 2022 who will be enrolled in MississippiCAN during SFY 2025 and to review acuity differences due to enrollment shifts between FFS and MississippiCAN during the COVID-19 Public Health Emergency (PHE).

GEOGRAPHIC REGIONS

DOM uses regional payments to better reflect enrollment for CCOs that enroll a disproportionate number of members from higher-cost or lower-cost regions of the state. DOM uses the three regions of North, Central, and South based on the county where a beneficiary lives. Table 2 displays the counties included in each region.

APPENDIX A

SFY 2025 RATE CELL DEFINITIONS

Table 2 Mississippi Division of Medicaid Geographic Regions by County		
North Region	Central Region	South Region
Alcorn	Calhoun	Adams
Attala	Chickasaw	Amite
Benton	Choctaw	Covington
Bolivar	Claiborne	Forrest
Carroll	Clarke	Franklin
Coahoma	Clay	George
DeSoto	Copiah	Greene
Grenada	Hinds	Hancock
Holmes	Issaquena	Harrison
Humphreys	Jasper	Jackson
Itawamba	Kemper	Jefferson
Lafayette	Lauderdale	Jefferson Davis
Lee	Leake	Jones
LeFlore	Lowndes	Lamar
Marshall	Madison	Lawrence
Montgomery	Monroe	Lincoln
Panola	Neshoba	Marion
Pontotoc	Newton	Pearl River
Prentiss	Noxubee	Perry
Quitman	Oktibbeha	Pike
Sunflower	Rankin	Stone
Tallahatchie	Scott	Walthall
Tate	Sharkey	Wayne
Tippah	Simpson	Wilkinson
Tishomingo	Smith	
Tunica	Warren	
Union	Webster	
Washington	Winston	
Yalobusha	Yazoo	

To determine a beneficiary's county, we used the following approach:

- County code included on a beneficiary's enrollment record in a given month.
- Absent (a), we mapped zip codes in the enrollment file to counties. In cases where a zip code is present in more than one county, we assumed that a zip code maps to a given county if:
 - The zip code shows up most frequently for a given county in the enrollment file (assuming a minimum of five occurrences).
 - Census information indicating the portion of a zip code's population that resides in each county. County is assigned to a zip code based on the county that includes the largest portion of a zip code's population.

If a beneficiary could not be assigned to a region, we excluded their eligibility and claim experience from the base data. This accounts for less than 0.4% of all current MississippiCAN eligible members in CY 2022.

APPENDIX B

Data Sources and Processing

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

February 6, 2025

APPENDIX B

DATA SOURCES AND PROCESSING

A number of data sources are used to develop the base data for the SFY 2025 MississippiCAN capitation rates.

- Medicaid eligibility data
- FFS claim data
- CCO encounter data
- CCO financial data

CY 2022 experience forms the primary base data for the SFY 2025 capitation rates.

This section of the report outlines each data source and steps to process the data.

MEDICAID ELIGIBILITY

DOM's MMIS vendor provided detailed Medicaid eligibility data for CY 2022. Before analyzing claims, we pared down the eligibility data to groups that are eligible to enroll in MississippiCAN, as defined in Appendix A of our report. In order to isolate data only for this group, we applied various filters as described in the rest of this appendix.

We relied upon the 'CAN' lock-in code for each eligibility span to include individuals enrolled in MississippiCAN in the base period. This assumes that MMIS-calculated enrollment criteria in the base period is consistent with how it will be applied for SFY 2025 capitation rate payments. In addition, this removes opt-outs from voluntary populations (SSI children and Mississippi Band of Choctaw Indians) from the base data used to develop capitation rates.

In addition, adjustments were made for the removal of retroactive eligibility periods and records not able to map to a geographic area.

Removal of Retroactive Eligibility Periods

Beneficiary enrollment in the FFS program can occur retroactively. When some individuals apply and qualify for Medicaid coverage, DOM reimburses claims, which occurred during the retroactive qualification period prior to their application. DOM backdates the eligibility of the individual to accommodate the retroactive coverage.

There is also a lag between the first date of eligibility and the date of enrollment in a CCO because Medicaid eligibility begins on the first day of the month in which the application was received. Once a Medicaid beneficiary signs up for a CCO, they will be enrolled on the first day of the subsequent month. The retroactive enrollment period is not covered by the CCO, so we removed retroactive eligibility included in the data provided to us using the following criteria:

- Eligibility months prior to the date that a beneficiary was added to the Medicaid enrollment file were removed. For example, if a beneficiary is active January 15, 2022, but they were added to the enrollment file February 1, 2022, we only included data on or after February 1, 2022 to exclude any retroactivity that may have occurred.

As of December 2015, newborns are enrolled in MississippiCAN at the time of their birth. Therefore, the retroactive eligibility exclusion is not applicable to these populations.

Geographic Area

If a beneficiary could not be assigned to a region, we excluded them from the base data. This accounts for less than 0.4% of all current MississippiCAN eligible member months in CY 2022. See Appendix A for additional information on the assignment of a geographic region.

FFS DATA

FFS claims are provided by DOM's MMIS vendor. These claims include any populations and / or services not included in MississippiCAN. We reviewed the FFS data for reasonability for several considerations, including the following, and verified it was consistent with monthly DOM cost reporting:

- Monthly claim counts per member
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Monthly units and payments by rate cell

APPENDIX B

DATA SOURCES AND PROCESSING

ENCOUNTER DATA

Encounter claims are included in the data provided by DOM's MMIS vendor. This data represents the actual amounts paid to the provider, so no repricing was done as part of the development of capitation rates. A claim processed by a CCO and submitted to DOM can be identified in the data based on the `cde_claim_ffs_enc` field. A value of 'E' in this field denotes an encounter claim. Please note, field names may vary from those provided in the encounter data submission from the CCOs.

For all service categories we used CY 2022 encounter data with runout through June 2023.

Only encounter claims for members flagged as a MississippiCAN enrollee in the eligibility data were included in the base data. Encounter claims which failed to be mapped to a MississippiCAN CCO enrollee were removed.

CCO encounters are rigorously vetted by Myers and Stauffer as part of their reconciliation of encounters against CCOs' cash disbursement journals (CDJs). As part of this reconciliation, Myers and Stauffer identifies encounter claims that are duplicates, voids, or replacements for other encounter claims. Myers and Stauffer shares these findings with CCOs at a claim level to ensure they are accurately determining the final, non-duplicated version of each paid claim. As a result of their analysis, Myers and Stauffer are able to reconcile closely to the CCOs' CDJs (historically within 0.5% on a paid basis). We use summaries provided by Myers and Stauffer to identify final, non-duplicative claims consistent with their CDJ reconciliation.

Lastly, the encounter data is run through Milliman's *Health Cost Guidelines*TM (HCGs) grouper to map the encounter data into detailed categories of service. These categories of service are then rolled up into eleven high level categories of service used for rate development. This mapping from detailed category of service to broad category of service is included as Exhibit 2.

After processing the data, we review the encounter data for several considerations, including:

- Monthly encounter counts per member (including and excluding \$0 payments)
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Quarterly units and payments relative to financials by COS
- Frequency of diagnosis completion by COS

Removal of Pharmacy Benefit Administered Claims

Starting in July 2024, DOM expects to enter into an arrangement with their Pharmacy Benefits Administrator (PBA) in which certain pharmacy claims will be paid through the PBA. As such, we identified and removed the associated pharmacy claims from the CY 2022 base data for the purpose of developing SFY 2025 capitation rates. These claims were identified and removed using the follow logic:

- Claim Type equal to "P" or "Q"

FINANCIAL REPORTING DATA

For base data development, each CCO submitted a financial report reconciled to their organization's audited CY 2022 financial statements for Mississippi. Reports were submitted for CY 2022 including earned premium, claim experience with run out through June 2023 for CY 2022 data, best estimate IBNR claim amounts, subcapitated arrangements, non-service expenses, and membership. The reported membership was close in total to the MMIS enrollment, so we utilized the MMIS enrollment for rate development.

We worked with each CCO to validate that their reports were filled out consistently with the category of service and non-medical definitions used in the capitation rate development. Adjustments were made to the original submissions to help align these definitions.

APPENDIX B

DATA SOURCES AND PROCESSING

CLAIMS ABOVE STATE-PLAN COVERED SERVICE LIMITS

When processing encounter data, we identify claims above Mississippi's state-plan covered service limits. These services are provided by some CCOs as an expanded benefit. However, as they are not state-plan-covered, these services are excluded from the base data when setting capitation rates. We identified three types of benefits offered by CCOs that are above state-plan covered service limits, described below. Children receiving EPSDT services, identified as individuals under the age of 21, are exempt from the service limits described below.

- **Physician Visits** – Members are limited to 16 physician visits within a state fiscal year. This limit is applied separately for psychiatric and non-psychiatric visits.

To identify physician visits, claims are required to have a claim type of "M" (Professional). Additionally, the claim must have one of a list of specific procedure codes. Exhibits 15A and 15B show the required procedure codes for non-psychiatric and psychiatric physician visits, respectively. Due to issues identifying claims at this level of detail within the CY 2022 data we are estimating the value of physician visits above the limit based on percentages from the CY 2021 data used for SFY 2024 capitation rate development.

- **Home Health Visits** – Up to 36 home health visits per state fiscal year are covered under Mississippi's state plan. Home health visits are identified as claims with a claim type of "H" (Home Health) and a revenue code of 421, 441, 551, 571, or 589.

APPENDIX C

CMS Managed Care Rate Setting Guide Response

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

February 6, 2025

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

I. RESPONSES TO 2024-2025 CMS MANAGED CARE RATE DEVELOPMENT GUIDE

SECTION I. MEDICAID MANAGED CARE RATES

1. General Information

- Rate period – This report documents and certifies capitation rates in effect from July 1, 2024 to June 30, 2025 (SFY 2025).
- Actuarial rate certification – See Appendix D.
- Final capitation rates – See Exhibit 4.
- Program descriptions – Please refer to the following sections:
 - Section II – MississippiCAN program background
 - Appendix A – Rate cell definitions
 - Section IV: Step 5 – Background on the quality withhold applied in SFY 2025
- Medical Loss Ratio (MLR) – The program includes a minimum MLR requirement of 91.3% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses must meet or exceed 91.3% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 91.3% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices. Please see Section IV Step 10 for more information about the minimum MLR requirement. Prior MLR experience is considered when developing trends for the capitation rates. Please see Section IV Step 1 for information on trend setting.
- Federal Medical Assistance Percentage (FMAP) – DOM receives an enhanced FMAP for COVID-19 vaccination administration fees (through September 30, 2024), family planning services, breast and cervical cancer services, Indian health services, home health services, rehabilitation services, private duty nursing services, and Quasi-CHIP members that prior to the Affordable Care Act were covered under the CHIP program. Any differences in capitation rates according to covered populations are based on valid rate development standards and not based on the FMAP associated with the covered populations.
- Cross-subsidies – Rate cells do not cross-subsidize other rate cells.
- Rate change from SFY 2024 capitation rates – See Section I.
- Known rate amendments – The capitation rates included in this report will require recertification to account for the following:
 - CCO specific MHAP, MAPS, TREAT, and MOMS payments made to providers. This initial certification includes a PMPM estimate of these amounts across all CCOs in Exhibit 13. We anticipate that this adjustment will be submitted by February 2026.
 - Final charge trends for inpatient, outpatient, and certain physician services as calculated by DOM's payment methodology development vendor.
 - Population adjustments related to procedural changes in presumptive eligibility or passive enrollment starting in SFY 2025.
- Impact of COVID-19 – See Section I.

2. Data

- Service and enrollment data sources – See Appendix B.
- Validation and quality adjustments – See Section III for encounter data and financial reporting validation.

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

- Changes in data sources – SFY 2025 capitation rates use CY 2022 CCO encounter and financial data as the base period data sources. SFY 2024 capitation rates used CY 2021 CCO encounter and financial as the base period data sources. Please see section III.
- Potential Future Data improvements – We anticipate no major enhancements to data collection in the future.
- Other data adjustments – None.
- Data reliance – See Appendix E.

3. Projected Benefit Costs and Trends

- Assumptions used to project benefit costs do not vary based on the rate of federal financial participation associated with the covered populations. A summary of program, population, and reimbursement changes is included in Exhibit 10. No changes were determined to be immaterial and separate rating adjustments are applied to estimate the impact of the changes between the base data and rating period.
- Overpayments to providers – Section III summarizes recoveries for overpayments to providers by CCOs and how these recoveries are accounted for when summarizing the base data used to develop SFY 2025 capitation rates.
- Projected benefit cost trends:
 - Annual trend assumptions – Section IV: Step 1 outlines the trend assumptions from CY 2022 to the rating period. Please refer to Exhibits 7A to 7E for more information. Negative unit cost trends for CY 2022 to the rating period for inpatient hospital services shown in Table 9 are due to decreases in fee schedules over time.
 - Reimbursement changes – Section IV: Step 2 describes the reimbursement changes between the base period and rating period.
- Mental Health Parity and Addiction Equity Act – No additional services were necessary to add to the program to achieve compliance with the act.
- In-lieu-of services – CCOs do not provide any material amounts of in-lieu-of services.
- Retrospective eligibility periods – No consideration for retroactive eligibility periods is included in the base data or rate development, because such services are covered under FFS.
- Changes in covered services and benefits: There are four benefit changes between the base period and the rate year:
 - Expansion of postpartum coverage for pregnant women from 60 days to 12 months (described in Section IV, Step 2).
 - Members diagnosed with Hemophilia or Von Willebrand disease are now covered as part of the MississippiCAN program (described in Section IV, Step 2).
 - Zolgensma is included as a covered therapy after carved out prior to SFY 2024 (described in Section IV, Step 2).
 - Effective July 1, 2024 pharmacy services will be paid by DOM's pharmacy benefit administrator (PBA) (removed from base data as described in Section III).
- Other adjustments:
 - A population change adjustment was applied to reflect that some children in the Non-Newborn SSI / Disabled rate cell were historically moved into FFS after a PRTF stay. Starting in SFY 2022, these individuals will remain in the MississippiCAN program. This adjustment was applied in Section III.

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

- Area relativity factors – Please see Section IV: Step 4 for a discussion of the area factor development for the North, Central, and South regions.
- Final projected benefit costs – See Exhibit 4.
- Conditions of any litigation to which the state is subjected – Not applicable; no impact on rates.

4. Special Contract Provisions Related to Payment

- Incentive Arrangements – In SFY 2025, CCOs will have the opportunity to earn up to 0.5% of revenue based on performance in the Value Base Payment (VBP) program. Payments to CCOs will be based on their performance across three primary focus areas: maternal health, metabolic health, and mental health. Please see Section IV Step 10 for more information.
- Withhold Arrangements – A quality withhold will be implemented for the SFY 2025 capitation rates. Please see Section IV: Step 5 for a description of the quality withhold.
- Risk sharing.
 - The program includes a minimum MLR requirement of 91.3% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses, must meet or exceed 91.3% of revenue. Revenue for premium taxes are excluded from the MLR calculation. If the 91.3% threshold is not met, MCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices. Please see Section IV Step 10 for more information on the minimum MLR requirement.
 - For SFY 2025 the program is subject to a high-cost pharmacy risk corridor. Please see Section IV: Step 10 for details of the implementation of this risk corridor.
 - Any risk-sharing arrangements are consistent with pricing assumptions and no remittance / payment is calculated using pricing assumptions.
- Delivery System and Provider Payment Initiatives – Not applicable.
- State Directed Payments.

The SFY 2025 capitation rates included in this certification reflect four directed payment arrangements that will be in effect for SFY 2025 as described in Section IV, Step 8. The necessary information for the four state directed payment arrangements included in these preliminary capitation rates is summarized below.

Summary of All State Directed Payments			
Control Name of the State Directed Payment	Type of Payment	Brief Description	Is the Payment Included as a Rate Adjustment or Separate Payment Term?
MS_Fee.VBP_IPH.OPH_Am end_20240701-20250630	Uniform dollar or percentage increase	Enhanced hospital reimbursement for inpatient and outpatient hospital services for qualifying facilities	Separate payment term
MS_Fee.VBP_AMC_Renew al_20240701-20250630	Uniform dollar or percentage increase	Enhanced payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital	Separate payment term
MS_Fee_Oth_Renewal_202 40701-20250630	Uniform dollar or percentage increase	Enhanced reimbursement for ambulance providers	Separate payment term
MS_VBP_IPH.PC.SP_New_ 20240701-20250630	Uniform dollar or percentage increase	Enhanced reimbursement for hospitals and outpatient providers to improve maternal outcomes	Separate payment term

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

Summary of State Directed Payments Included as a Separate Payment Term					
Control Name of the State Directed Payment	Aggregate Amount Included in the Certification	Statement that the Actuary is Certifying the Separate Payment Term	The Magnitude on a PMPM Basis	Confirmation the Rate Development is Consistent with the Preprint	Confirmation that the State and Actuary will Submit Required Documentation at the End of the Rating Period
See Exhibit 13					
MS_Fee.VBP_IPH.OPH_Amend_20240701-20250630	FSA component of MHAP: \$719.7 million QIPP component of MHAP: \$820.7 million	Confirmed the actuarial certification covers this separate payment term	FSA component of MHAP: allocated across rate cells based on projected IP / OP spend. 60% is allocated based on projected IP spend and 40% is allocated based on projected OP spend. Ranges from \$42.26 to \$4,893.47 PMPM. QIPP component of MHAP: allocated as a fixed PMPM of \$158.91 across all rate cells.	Confirmed	Confirmed
See Exhibit 13					
MS_Fee.VBP_AMC_Renewal_20240701-20250630	\$29.5 million	Confirmed the actuarial certification covers this separate payment term	Allocated as a fixed PMPM of \$5.72 across all rate cells	Confirmed	Confirmed
See Exhibit 13					
MS_Fee_Oth_Renewal_20240701-20250630	\$25.3 million	Confirmed the actuarial certification covers this separate payment term	Allocated as a fixed PMPM of \$4.90 across all rate cells	Confirmed	Confirmed
See Exhibit 13					
MS_VBP_IPH.PC.SP_New_20240701-20250630	\$6.6 million	Confirmed the actuarial certification covers this separate payment term	Allocated as a fixed PMPM of \$1.28 across all rate cells	Confirmed	Confirmed

All services covered under the MississippiCAN program are subject to a minimum fee schedule of the FFS rate. This minimum fee schedule is set in accordance with the provisions of §438.6(c). It is our understanding that this type of minimum fee schedule does not necessitate prior approval from CMS and no preprint is required.

DOM has confirmed that there are no additional directed payments in the program that are not addressed in the certification.

DOM has also confirmed that there are no requirements regarding the reimbursement rates the managed care plans must pay to any providers unless specifically specified in the certification as a state directed payment or authorized under applicable law, regulation, or waiver.

- Pass Through Payments – Not applicable.

5. Projected Non-Benefit Costs

- Assumptions used to project non-benefit costs do not vary based on the rate of federal financial participation associated with the covered populations.
- Administrative cost data, projected costs, premium tax and margin – See Section IV: Step 3.

APPENDIX C

Responses to 2024-2025 CMS Managed Care Rate Development Guide

- Historical non-benefit costs – CY 2022 administrative costs for the three CCOs were \$34.70 PMPM, as reported on the audited financial templates. Please see Section IV: Step 3 for a description of adjustments applied to this base data to project the SFY 2022 administrative allowance.

6. Risk Adjustment and Acuity Adjustments

- Risk adjustment – See Section IV: Step 6. A custom risk adjustment model will be developed for the MA Children, Quasi-CHIP, MA Adult, and Non-Newborn SSI / Disabled rate cells using the Chronic Disability Payment System (CDPS) model.

A custom risk adjustment model will be developed for the Foster Care rate cell using information from members' enrollment information.

- Acuity Adjustments – See Section IV: Step 2 for a description of the acuity adjustment applied to reflect changes in member acuity from CY 2022 to SFY 2025.

SECTION II. MEDICAID MANAGED CARE RATES WITH LONG-TERM SERVICES

This section does not apply as MississippiCAN is not a long-term care service program.

SECTION III. NEW ADULT POPULATION CAPITATION RATES

This section does not apply as the state of Mississippi has not expanded coverage as a result of the Affordable Care Act.

APPENDIX D

Actuarial Certification of SFY 2025 MississippiCAN Capitation Rates

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi’s MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

February 6, 2025



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

jill.bruckert@milliman.com

February 6, 2025

**Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2025 MississippiCAN Capitation Rates - Update**

I, Jill A. Bruckert, am associated with the firm of Milliman, Inc., am a member of the American Academy of Actuaries, and meet its Qualification Standards for Statements of Actuarial Opinion. I was retained by the Mississippi Division of Medicaid (DOM) to perform an actuarial certification of the Mississippi Coordinated Access Network (MississippiCAN) coordinated care capitation rates for July 1, 2024 to June 30, 2025 (SFY 2025) for filing with the Centers for Medicare and Medicaid Services (CMS). This certification is an update to the SFY 2025 certification dated September 6, 2024.

I reviewed the capitation rate development and am familiar with the following regulation and guidance:

- The requirements of 42 CFR §438.3(c), 438.3(e), 438.4, 438.5, 438.6, and 438.7
- CMS "Appendix A, PAHP, PIHP, and MCO Contracts Financial Review Documentation for At-risk Capitated Contracts Ratesetting dated November 10, 2014"
- 2024 to 2025 Medicaid Managed Care Rate Development Guide
- Actuarial Standard of Practice 49 and other applicable standards of practice

I examined the actuarial assumptions and actuarial methods used in setting the capitation rates for SFY 2025 dated February 6, 2025 and accompanying this certification.

To the best of my information, knowledge, and belief, for the SFY 2025 period, the capitation rates offered by DOM are in compliance with the relevant requirements of 42 CFR 438.4. The attached actuarial report describes the capitation rate setting methodology. Please note, as outlined in the cover letter of the report, there are a number of outstanding program changes that will be incorporated into an update to SFY 2025 capitation rates.

In my opinion, the capitation rates are actuarially sound, as defined in Actuarial Standard of Practice 49, were developed in accordance with generally accepted actuarial principles and practices, and are appropriate for the populations to be covered and the services to be furnished under the contract. This certification includes all prospective health plan payments, as well as the components of the MHAP, MAPS, TREAT, and MOMS programs that will be settled retrospectively.

In making my opinion, I relied upon the accuracy of the underlying claim and eligibility data records and other information prepared by DOM and participating CCOs. I did not audit the data and calculations, but did review them for reasonableness and consistency and did not find material defects. In other respects, my examination included such review of the underlying assumptions and methods used and such tests of the calculations as I considered necessary. The reliance letter from DOM is included in Appendix E of the rate report issued on February 6, 2025.

Actuarial methods, considerations, and analyses used in forming my opinion conform to the appropriate Standards of Practice as promulgated from time-to-time by the Actuarial Standards Board, whose standards form the basis of this Statement of Opinion.

It should be emphasized that capitation rates are a projection of future costs based on a set of assumptions. Actual costs will be dependent on each contracted coordinated care organization's situation and experience.



Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2025 MississippiCAN Capitation Rates
February 6, 2025
Page 2 of 2

This Opinion assumes the reader is familiar with the MississippiCAN program, Medicaid coordinated care programs, and actuarial rating techniques. The Opinion is intended for the State of Mississippi and the Centers for Medicare and Medicaid Services and should not be relied on by other parties. The reader should be advised by actuaries or other professionals competent in the area of actuarial rate projections of the type in this Opinion, so as to properly interpret the projection results.

A handwritten signature in black ink, reading 'Jill A. Bruckert', written over a horizontal line.

Jill A. Bruckert
Member, American Academy of Actuaries
Principal and Consulting Actuary
February 6, 2025

APPENDIX E

Data Reliance Letter

State of Mississippi Division of Medicaid
SFY 2025 MississippiCAN Preliminary Rate Calculation and Certification

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2025 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

February 6, 2025

OFFICE OF THE GOVERNOR
Walter Sillers Building | 550 High Street, Suite 1000 | Jackson, Mississippi 39201



February 4, 2025

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary
Milliman, Inc.
17335 Golf Parkway, Suite 100
Brookfield, WI 53045

Re: Data Reliance for Actuarial Certification of SFY 2025 MississippiCAN Capitation Rates

Dear Jill:

I, Jennifer Wentworth, Chief of Staff for the Mississippi Division of Medicaid (DOM), hereby affirm that the data prepared and submitted to Milliman, Inc. (Milliman) for the purpose of certifying MississippiCAN capitation rates was prepared under my direction and, to the best of my knowledge and belief, is accurate, complete, and consistent with the data used to develop the capitation rates. Capitation rates are effective July 1, 2024 to June 30, 2025.

Provided data or information used in the development of the capitation rates includes:

1. Data from DOM's Medicaid Management Information Systems (MMIS) vendor (Gainwell):
 - a. Encounter claims through June 2023.
 - b. Medicaid eligibility through June 2023.
2. Data from DOM's vendor Myers and Stauffer:
 - a. Detailed encounter claim status reports, including identification of duplicative or voided claims through August 30, 2024.
3. Supporting documentation provided by DOM:
 - a. Data identification logic:
 - i. Logic for identifying members eligible for the MYPAC rate cell.
 - ii. Logic for identifying members with hemophilia.
 - iii. Logic for identifying Institution for Mental Disease (IMD) facilities.
 - iv. Logic for identifying claims above state plan covered service limits.
 - b. Reimbursement and / or program changes:
 - i. SB 2799 passed April 19, 2021.
 1. Preventative and diagnostic dental reimbursement increases of 5% effective July 1,

Jill A. Bruckert, FSA, MAAA
Milliman, Inc.
February 4, 2025
Page 2 of 4

2022 and July 1, 2023.

2. Fee schedules frozen effective July 1, 2021.
- ii. HB 657 signed into law on April 19, 2022.
 1. Restorative dental reimbursement increases of 5% effective July 1, 2022, July 1, 2023, and July 1, 2024.
 2. Ability to change fee schedules with legislative review. DOM will update reimbursement for the following provider types.
 - a. Physician fee schedules effective July 1, 2022.
 - b. Inpatient and outpatient fee schedules effective July 1, 2023.
- iii. SB 2212 signed into law on March 16, 2023.
 1. Postpartum coverage for eligible members extended from 60 days to 12 months.
- iv. Professional, inpatient DRG, and outpatient APC fee re-pricing impacts for July 2022 and July 2023 prepared by Conduent.
- v. Professional, inpatient DRG, and outpatient APC fee re-pricing impacts for July 2023 and July 2024 prepared by Myers & Stauffer.
- vi. Estimates of uptake rates of certain gene therapies used to treat Hemophilia A, Hemophilia B, Sickle Cell Disease, Beta-Thalassemia, and Duchene Muscular Dystrophy.
- vii. Confirmation that Zolgensma will be included in the capitation rate for SFY 2025.
- viii. Fee schedule updates for the following categories of service:
 1. Psychiatric Residential Treatment Facilities (PRTF) – January 2023, January 2024, and January 2025
 2. Ambulatory Surgical Center (ASC) – October 2023, January 2024, and October 2024
 3. Autism Spectrum Disorder (ASD) – January 2023
 4. Orthodontia Services – October 2023
 5. Behavioral Health Services – July 2023 and July 2024
 6. MYPAC Services – November 2023
 7. Home Health Agency (HHA) Services – October 2024
 8. Prescribed Pediatric Extended Care (PPEC) Services – October 2022

Jill A. Bruckert, FSA, MAAA
Milliman, Inc.
February 4, 2025
Page 3 of 4

9. Private Duty Nursing (PDN) Services – October 2022 and July 2023

ix. CY 2022 fee schedules for the following categories of service:

1. Psychiatric Residential Treatment Facilities (PRTF)
2. Ambulatory Surgical Center (ASC)
3. Autism Spectrum Disorder (ASD)
4. Orthodontia Services
5. Behavioral Health Services
6. MYPAC Services
7. Home Health Agency (HHA) Services
8. Prescribed Pediatric Extended Care (PPEC)
9. Private Duty Nursing (PDN)

c. Directed payments:

- i. SFY 2025 Mississippi Hospital Access Program (MHAP) total funding amount of \$1,540,423,694 along with splits for a quality incentive payment pool (QIPP) amount of \$820,744,321, the inpatient fee schedule adjustment (FSA) amount of \$431,807,624, and the outpatient FSA amount of \$287,871,749 to be used in capitation rate development.
- ii. SFY 2025 Mississippi Medicaid Access to Physician Services (MAPS) funding amount of \$29,526,177.
- iii. SFY 2025 Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) funding amount of \$25,285,224.
- iv. SFY 2025 Mississippi Outcomes for Maternal Safety (MOMS) funding amount of \$6,603,083.

d. Historical data:

- i. Files summarizing individuals in the Non-Newborn SSI / Disabled rate cell moved to FFS due to a PRTF stay in CY 2022.
- ii. MLR reports through December 2023.

e. Other data:

- i. Quality withhold parameters for SFY 2025.

Jill A. Bruckert, FSA, MAAA
Milliman, Inc.
February 4, 2025
Page 4 of 4

- ii. Value-based payment program parameters for SFY 2025.
- iii. High-cost drug risk corridor parameters for SFY 2025.
- iv. Other computer files and clarifying correspondence.

Milliman relied on DOM and their MMIS vendor for the collection and processing of the CCO encounter data. Milliman relied on Myers and Stauffer's review of encounter data for duplicative or voided claims. Milliman relied on the CCOs to provide accurate CY 2022 financial data as certified by each CCO. Milliman did not audit the CCO financial data, or the encounter data, but did assess the data for reasonableness as documented in the capitation rate report.

Jennifer Westworth

Name

Chief of Staff

Title

February 4, 2025

Date

For more information about Milliman,
please visit us at:

milliman.com

Solutions for a world at risk™

Milliman leverages deep expertise, actuarial rigor, and advanced technology to develop solutions for a world at risk. We help clients in the public and private sectors navigate urgent, complex challenges—from extreme weather and market volatility to financial insecurity and rising health costs—so they can meet their business, financial, and social objectives. Our solutions encompass insurance, financial services, healthcare, life sciences, and employee benefits. Founded in 1947, Milliman is an independent firm with offices in major cities around the globe.

milliman.com



CONTACTS

Jill Bruckert
jill.bruckert@milliman.com

Katarina Lorenz
katarina.lorenz@milliman.com

Caveats and Limitations
Mississippi Division of Medicaid
READ BEFORE PROCEEDING

Milliman has developed certain models to estimate the values included in these exhibits and appendices. The intent of the models was to estimate SFY 2025 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting for January 2022 to December 2022 with runout through June 2023, historical and projected reimbursement information, fee schedules, and other information from DOM, MississippiCAN CCOs, Change Healthcare, Myers and Stauffer, and CMS to calculate the preliminary MississippiCAN base data shown in exhibits and appendices. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2025 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our exhibits and appendices are intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2025. The exhibits and appendices and the models used to develop the values in these exhibits and appendices may not be appropriate for other purposes. We anticipate the exhibits and appendices will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of these exhibits and appendices are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of these exhibits and appendices are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, these exhibits and appendices are complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

Caveats and Limitations
Mississippi Division of Medicaid
READ BEFORE PROCEEDING

Milliman has developed certain models to estimate the values included in these exhibits and appendices. The intent of the models was to estimate SFY 2025 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting for January 2022 to December 2022 with runout through June 2023, historical and projected reimbursement information, fee schedules, and other information from DOM, MississippiCAN CCOs, Change Healthcare, Myers and Stauffer, and CMS to calculate the preliminary MississippiCAN base data shown in exhibits and appendices. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix E for a full list of the data relied upon to develop the SFY 2025 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our exhibits and appendices are intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2025. The exhibits and appendices and the models used to develop the values in these exhibits and appendices may not be appropriate for other purposes. We anticipate the exhibits and appendices will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of these exhibits and appendices are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of these exhibits and appendices are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, these exhibits and appendices are complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

December 13, 2024

Jennifer Wentworth
Chief of Staff
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Wentworth17 - MississippiCAN Capitation Risk Adjustment – Q1 to Q2 2025 Prospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2025, which are documented in a separately provided report.¹ As outlined in that report and summarized in Table 1 below, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective January 1, 2025 through June 30, 2025 (Q1 to Q2 2025) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2025.

As described in greater detail below, we develop Q1 to Q2 2025 risk scores using diagnoses from July 2023 to June 2024 (SFY 2024) and the enrollment mix for each CCO as of October 2024. In addition, we adjusted the enrollment records to identify MYPAC rate cell members that were incorrectly assigned to other children rate cells.

Please note, the Foster Care risk scores issued in this report are preliminary estimates and will be trued up to actual enrollment retrospectively. The time periods involved in truing up Foster Care risk adjustment are described in greater detail below.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q1 to Q2 2025 were developed using:

¹ "Report18 - SFY 2025 Preliminary MississippiCAN Rate Calculation and Certification.pdf," dated December 4, 2024.



- Diagnosis Period: Medical and drug diagnosis information from encounter and FFS claims incurred during SFY 2024 with runout through August 30, 2024. Pharmacy claims data was excluded from this analysis for July to September 2023, given issues with the pharmacy data during that time period.
- Enrollment Period: Demographic and enrollment information from October 2024.

Table 2 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Based on SFY 2024 Diagnosis Period and October 2024 Enrollment							
		North		Central		South	
Rate Cell	CCO	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	9,513	1.001	10,051	1.013	7,078	1.022
Non-Newborn SSI / Disabled	Molina	2,813	0.981	2,976	0.979	2,550	0.993
Non-Newborn SSI / Disabled	United	8,051	1.005	8,069	0.991	7,351	0.981
MA Adult	Magnolia	6,049	1.005	6,678	1.018	6,114	1.020
MA Adult	Molina	4,001	0.991	4,876	0.961	5,017	0.964
MA Adult	United	5,583	1.001	6,159	1.011	6,899	1.009
MA Children	Magnolia	30,731	1.008	35,409	1.012	29,328	1.006
MA Children	Molina	17,636	0.967	21,052	0.961	19,243	0.956
MA Children	United	28,593	1.012	32,266	1.012	31,076	1.022
Quasi-CHIP	Magnolia	3,842	1.004	4,409	1.018	3,305	1.010
Quasi-CHIP	Molina	2,030	0.963	2,177	0.966	2,025	0.942
Quasi-CHIP	United	3,834	1.016	4,192	0.999	3,693	1.023
Foster Care	Magnolia	1,522	0.996	1,552	0.982	2,154	0.976
Foster Care	Molina	244	1.047	299	1.101	450	1.118
Foster Care	United	490	0.988	434	0.994	677	0.997

Only MississippiCAN-eligible members enrolled in a CCO during October 2024 were considered in this analysis. Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found on the enrollment record, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data, is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information. In addition, for some populations additional variables based upon utilizer status, housing insecurity indicators, and the length of enrollment during the diagnostic period are included in the risk score calculation.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment records.

Starting in July 2021, some members in the MYPAC rate cell, which is not risk adjusted, were not correctly assigned a 'SED' lock-in flag and were instead assigned to other children rate cells, including several rate cells that are risk adjusted. We identified members that utilized MYPAC services during the risk adjustment period and recategorized these members to the MYPAC rate cell for the purposes of risk adjustment calculations.

A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members aged 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2025 for all rate cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.



Risk Score Changes

The last release of risk scores included prospective budget-neutral risk scores for Q3 to Q4 2024. These risk scores were based on June 2024 enrollment and diagnoses from January 2023 through December 2023 with runout through April 26, 2024. Changes in budget-neutral plan risk scores between the Q3 to Q4 2024 risk scores and the Q1 to Q2 2025 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes.

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column.

Table 3 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Changes in Statewide Budget Neutral Risk Scores Q3 to Q4 2024 vs. Q1 to Q2 2025				
Cohort	Risk Scores:	Q3 to Q4 2024	Q1 to Q2 2025	% Change
	Enrollment:	June 2024	October 2024	
	Diagnosis Period:	CY 2023	SFY 2023	
Non-Newborn SSI / Disabled	Magnolia	1.007	1.011	0.45%
Non-Newborn SSI / Disabled	Molina	0.997	0.984	-1.33%
Non-Newborn SSI / Disabled	United	0.993	0.993	-0.05%
MA Adult	Magnolia	1.016	1.014	-0.20%
MA Adult	Molina	0.968	0.971	0.30%
MA Adult	United	1.007	1.007	0.01%
MA Children	Magnolia	1.006	1.009	0.27%
MA Children	Molina	0.963	0.961	-0.18%
MA Children	United	1.017	1.015	-0.12%
Quasi-CHIP	Magnolia	1.005	1.011	0.57%
Quasi-CHIP	Molina	0.964	0.957	-0.67%
Quasi-CHIP	United	1.014	1.012	-0.17%
Foster Care	Magnolia	0.974	0.984	1.06%
Foster Care	Molina	1.136	1.096	-3.59%
Foster Care	United	1.000	0.993	-0.70%

Exhibit 2 allocates the change in risk scores between the last release and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable.
- Column B: Updates the risk scores shown in Column A with an additional data runout.
- Column C: Updates the risk scores shown in Column B with an updated diagnosis period.
- Column D: Updates the risk scores shown in Column C with enrollment from October 2024, the snapshot enrollment month chosen to represent enrollment for January to June 2025.

Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2 since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the last release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.



Table 4 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Statewide Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q3 to Q4 2024	98%	96%	98%	98%
Q1 to Q2 2025	99%	97%	98%	98%
MA Adult				
Q3 to Q4 2024	94%	94%	94%	94%
Q1 to Q2 2025	94%	93%	94%	94%
MA Children				
Q3 to Q4 2024	97%	96%	97%	97%
Q1 to Q2 2025	97%	96%	97%	96%
Quasi-CHIP				
Q3 to Q4 2024	97%	96%	97%	97%
Q1 to Q2 2025	98%	97%	97%	97%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Note, a single exhibit is provided for the Foster Care rate cell.

Table 5 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- Scored Members
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category
 - Count of members falling into each durational category
 - Count of members in the non-utilizer category
 - Count of members assigned to the housing insecurity category, for applicable populations
 - Disease category prevalence
 - Count of members not assigned to a CDPS + Rx category
- Unscored Members
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- Risk Adjustment Results
 - Calculation of budget neutral risk score for scored and unscored members and in total



Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell since risk scores for that population do not utilize diagnostic information.

Table 6 Mississippi Division of Medicaid Q1 to Q2 2025 MississippiCAN Risk Scores Conditions with the Top Five Disease Impacts Statewide Results				
Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, low to medium	Skeletal, medium	Psychiatric, low	Psychiatric, low
2	Cardiovascular, medium	Pregnancy, incomplete	Skeletal, very low to medium	Skeletal, very low to medium
3	Skeletal, medium	Psychiatric, low	Pulmonary, low	Pulmonary, low
4	Psychiatric, high	Gastro, low	Gastro, low	Diabetes, type 1
5	CNS, low	Pregnancy, complete	CNS, low	Gastro, low

Member-Level Risk Scores

Text files providing member-level demographic, duration, diagnosis, and other risk score category information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, durational, diagnostic, and other risk score category information for each member
- The “unscored” extract provides only demographic information for each member

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the letter² that describes the custom risk weight model developed for periods after July 2024 for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis.

Exhibits 4A to 4F display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

CCO Capitation Rate = Base Capitation Rate x CCO Budget Neutral Risk Score

² Wentworth15 - July 2024 MSCAN Risk Weight Development.pdf” dated October 31, 2024.



The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates after the application of the quality withhold and prior to the following directed payments, all of which are not risk adjusted.

- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

Next Steps – Foster Care Population

The above tables and attached exhibits contain preliminary risk scores for the Foster Care rate cell. These risk scores have been developed using the same enrollment period as the other rate cells. To calculate final risk scores for the Foster Care rate cell, we require actual enrollment from the risk adjusted period, and thus these risk scores must be calculated after the risk adjusted period has elapsed.

Table 7 summarizes the rating periods for SFY 2025 and when we anticipate providing each risk score update for the Foster Care rate cell.

Table 7 Mississippi Division of Medicaid SFY 2025 MississippiCAN Risk Adjustment Foster Care Risk Adjustment Periods		
Rating Period	Preliminary Risk Score Release Date	Final Risk Score Release Date
Q3Q4 2024	November 2024	February 2025
Q1Q2 2025	December 2024	August 2025

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q1 to Q2 2025 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from July 2023 to June 2024 with runout through August 30, 2024, along with eligibility data from October 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q1 to Q2 2025 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.



Jennifer Wentworth
Mississippi Division of Medicaid
December 13, 2024
Page 7 of 7

We are consulting actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.



Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jill Bruckert'.

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachments (Provided in Excel)

A handwritten signature in black ink, appearing to read 'Katarina Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

Caveats and Limitations
Mississippi Division of Medicaid
Q1 to Q2 2025 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q1 to Q2 2025 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters and FFS claims from July 2023 through June 2024 with runout through August 2024 and eligibility data from October 2024 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q1 to Q2 2025 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2025 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

DOM MSCAN SFY25 EMERGENCY CONTRACT

AMENDMENT 1

Exhibit 4



15800 W. Bluemound Road
Suite 100
Brookfield, WI 53005
USA
Tel +1 262 784 2250
Fax +1 262 923 3680

milliman.com

June 17, 2022

Jennifer Wentworth
Special Projects Admin, Accounting
Mississippi Office of the Governor, Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201

[Sent via email: jennifer.wentworth@medicaid.ms.gov]

Re: MississippiCAN Capitation Risk Adjustment – Q3Q4 2022 Prospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2023. A separately provided report¹ documents the development of MississippiCAN capitation rates for SFY 2023. As summarized by Table 1, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 SFY 2023 MississippiCAN Risk Adjustment Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective July 1, 2022 through December 31, 2022 (Q3Q4 2022) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2023. Risk scores for January through June 2022 (Q1Q2 2022) were provided in a separate letter in December 2022.²

Similar to Q1Q2 2022 risk scores we did not make any adjustments to our risk adjustment methodology, despite the decrease in diagnoses recorded due to the COVID-19 pandemic occurring during the diagnosis period. We reviewed the change in plan-level risk scores during the COVID-19 pandemic on a budget neutral basis and observed changes consistent with the magnitude in a typical update. Based on this review and the additional analysis documented in our prior letter, we determined that no change in methodology is necessary.

As described in greater detail below, we develop Q3Q4 2022 risk scores using the enrollment mix for each CCO as of April 2022. Starting June 2021, DOM began disenrolling MississippiCAN members who would have lost Medicaid eligibility prior to the COVID-19 public health emergency (PHE) into FFS. This rapid decrease in MississippiCAN enrollment along with uncertainty surrounding the end date for the PHE may result in the actual enrollment mix in Q3Q4 2022 for each CCO being much different than the assumed mix based on April 2022 enrollment. Thus, Milliman will consider an update to Q3Q4 2022 risk scores, once that period has concluded using actual enrollment mix in that

¹ "Report05 - State Fiscal Year 2023 MississippiCAN Preliminary Rate Calculation and Certification.pdf," dated April 20, 2022

² "Wentworth23 – Q1Q2 2022 MississippiCAN Risk Adjustment.pdf," dated December 13, 2021



period. Risk score calculations for each member would not differ from those calculated in this letter, but risk scores for each CCO would be recalculated using the actual mix of enrollees during the Q3Q4 2022 period.

Please note, the Foster Care risk scores issued in this report are preliminary estimates and will be trued up to actual enrollment retrospectively. The time periods involved in truing up Foster Care risk adjustment are described in greater detail below.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q3Q4 2022 were developed using:

- Diagnosis Period: Medical and drug diagnosis information from encounter and FFS claims incurred during CY 2021 with runout through April 2022
- Enrollment Snapshot: Demographic and enrollment information from April 2022

Only MississippiCAN-eligible members enrolled in a CCO in April 2022 were considered in this analysis. Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found in the enrollment snapshot, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information. In addition, for some populations a variable based upon the length of enrollment during the diagnostic period is included in the risk score calculation.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment snapshot.

Table 2 SFY 2023 MississippiCAN Risk Adjustment Q3Q4 2022 Prospective Risk Scores Based on CY 2021 Diagnosis Period							
		North		Central		South	
Rate Cell	CCO	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	9,978	1.000	10,910	1.032	7,528	1.031
Non-Newborn SSI / Disabled	Molina	2,261	0.998	2,462	0.973	2,234	0.983
Non-Newborn SSI / Disabled	United	8,242	1.001	8,401	0.967	7,654	0.975
MA Adult	Magnolia	3,965	1.011	4,442	1.034	5,223	1.012
MA Adult	Molina	2,524	0.966	3,063	0.951	4,363	0.945
MA Adult	United	3,667	1.011	4,383	1.000	6,382	1.028
MA Children	Magnolia	26,285	1.002	31,161	1.014	30,706	1.006
MA Children	Molina	11,332	0.938	14,083	0.929	17,629	0.936
MA Children	United	23,519	1.027	27,583	1.020	33,318	1.028
Quasi-CHIP	Magnolia	2,969	1.001	3,408	0.992	2,915	0.966
Quasi-CHIP	Molina	1,296	0.968	1,394	0.968	1,473	0.935
Quasi-CHIP	United	3,202	1.012	3,413	1.021	3,566	1.055
Foster Care	Magnolia	1,340	0.931	1,377	0.947	1,937	0.925
Foster Care	Molina	227	1.297	264	1.221	362	1.286
Foster Care	United	416	1.059	383	1.039	584	1.073



A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members age 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2023 for all rate cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.

Risk Score Changes

The prior release of risk scores included prospective budget-neutral risk scores for Q1Q2 2022. These risk scores were based on October 2021 enrollment and diagnoses from SFY 2021 with runout through October 2021. Changes in budget-neutral plan risk scores between the Q1Q2 2022 risk scores and the Q3Q4 2022 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes.

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column. Note, the significant changes in the Foster Care rate cell are driven by a change in the enrollment practices for this population over time and is the reason that Foster Care risk scores will be retrospectively adjusted for actual enrollment.

Table 3 SFY 2023 MississippiCAN Risk Adjustment Changes in Statewide Budget Neutral Risk Score Q1Q2 2022 vs. Q3Q4 2022				
Cohort	Risk Scores: Enrollment: Diagnosis Period:	Q1Q2 2022 Oct 2021 SFY 2021	Q3Q4 2022 Apr 2022 CY 2021	% Change
Non-Newborn SSI / Disabled	Magnolia	1.017	1.020	0.34%
Non-Newborn SSI / Disabled	Molina	1.016	0.984	-3.16%
Non-Newborn SSI / Disabled	United	0.975	0.981	0.55%
MA Adult	Magnolia	1.017	1.019	0.15%
MA Adult	Molina	0.965	0.952	-1.34%
MA Adult	United	1.008	1.015	0.66%
MA Children	Magnolia	1.008	1.008	-0.02%
MA Children	Molina	0.937	0.934	-0.27%
MA Children	United	1.024	1.025	0.12%
Quasi-CHIP	Magnolia	0.992	0.987	-0.57%
Quasi-CHIP	Molina	0.957	0.956	-0.04%
Quasi-CHIP	United	1.026	1.030	0.44%
Foster Care	Magnolia	0.950	0.933	-1.79%
Foster Care	Molina	1.255	1.268	1.08%
Foster Care	United	1.030	1.059	2.80%

Exhibit 2 allocates the change in risk scores between the prior release³ and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable
- Column B: Restates the risk scores shown in Column A with additional data runout
- Column C: Updates the risk scores shown in Column B with an updated diagnosis period
- Column D: Updates the risk scores shown in Column C with an updated enrollment period. This column contains the final risk scores for this release

³ "Wentworth23 – Q1Q2 2022 MississippiCAN Risk Adjustment.pdf," dated December 13, 2021



Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2 since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the prior release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.

Table 4 SFY 2023 MississippiCAN Risk Adjustment Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q1Q2 2022	99%	96%	99%	99%
Q3Q4 2022	99%	97%	99%	99%
MA Adult				
Q1Q2 2022	94%	91%	92%	93%
Q3Q4 2022	94%	93%	93%	93%
MA Children				
Q1Q2 2022	98%	96%	98%	97%
Q3Q4 2022	98%	97%	98%	98%
Quasi-CHIP				
Q1Q2 2022	98%	97%	98%	98%
Q3Q4 2022	99%	97%	98%	98%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Note, a single exhibit is provided for the Foster Care rate cell.

Table 5 SFY 2023 MississippiCAN Risk Adjustment Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- Scored Members
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category
 - Count of members falling into each durational category
 - Disease category prevalence
 - Count of members not assigned to a CDPS + Rx category



- **Unscored Members**
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- **Risk Adjustment Results**
 - Calculation of budget neutral risk score for scored and unscored members and in total

Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell since risk scores for that population do not utilize diagnostic information.

Table 6
SFY 2023 MississippiCAN Risk Adjustment
Q3Q4 2022 Prospective Risk Scores – Conditions with the Top Five Disease Impacts
Statewide Results

Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, medium low to medium	Skeletal, very low to low	Psychiatric, medium low	Psychiatric, medium low
2	Cardiovascular, medium	Psychiatric, medium low	Pulmonary, low to medium	Pulmonary, low to medium
3	Psychiatric, high	Psychiatric, low	Cardiovascular, extra low to low	Cardiovascular, extra low to low
4	AIDS, high	Pregnancy, incomplete	Gastro, low	Psychiatric, low
5	CNS, low	Cardiovascular, extra low	Psychiatric, low	Diabetes, type 2 low

Member-Level Risk Scores

Text files providing member-level demographic, duration, and diagnosis information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, durational, and diagnostic information for each member
- The “unscored” extract provides only demographic information for each member

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the following letters for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis:

- **Non-Newborn SSI / Disabled and MA Children / Quasi-CHIP** – “Clark07 - MSCAN Risk Weight Development.pdf,” dated June 25, 2019. This letter includes risk score information for the MA Adult rate cell. However, that information is superseded by the letter listed below.
- **MA Adult** – “Clark14 - MSCAN Risk Weight Development.pdf,” dated June 8, 2020.
- **Foster Care** – “Clark17 - Risk Adjustment Methodology for Foster Care Rate Cell.pdf,” dated June 18, 2020.



Exhibits 4A to 4C display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

$$\text{CCO Capitation Rate} = \text{Base Capitation Rate} \times \text{CCO Normalized Risk Factor}$$

The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates prior to the following directed payments, all of which are not risk adjusted.

- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

Next Steps – Foster Care Population

The above tables and attached exhibits contain preliminary risk scores for the Foster Care rate cell. These risk scores have been developed using the same enrollment period as the other rate cells. To calculate final risk scores for the Foster Care rate cell, we require actual enrollment from the risk adjusted period, and thus these risk scores must be calculated after the risk adjusted period has elapsed.

Table 7 summarizes the rating periods for SFY 2023 and when we anticipate providing each risk score update for the Foster Care rate cell. Notably, we plan to provide final Foster Care risk scores for the Q3Q4 2022 period in February 2023 and final risk scores for the Q1Q2 2023 period in August 2023.

Table 7 SFY 2023 MississippiCAN Risk Adjustment Foster Care Risk Adjustment Periods		
Rating Period	Preliminary Risk Score Release Date	Final Risk Score Release Date
Q3Q4 2022	June 2022	February 2023
Q1Q2 2023	December 2022	August 2023

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q3Q4 2022 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters, FFS claims, and eligibility data from January 2021 to April 2022 with runout through April 2022 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.



Jennifer Wentworth
Mississippi Office of the Governor, Division of Medicaid
June 17, 2022
Page 7 of 7

This letter is designed to document the risk scores for Q3 to Q4 2022 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2023 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

I am an Principal and Consulting Actuary for Milliman, member of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of my knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

The terms of Milliman's contract with DOM effective December 1, 2021, apply to this letter and its use.



Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink that reads "Jill A. Bruckert".

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JABF/laa

Attachments



EXHIBITS

Exhibit 1A
Mississippi Division of Medicaid
Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	9,911	0.992	1.000	67	1.046	1.013	1.000
Molina	2,190	0.990	0.998	71	1.050	1.017	0.998
United	8,129	0.993	1.001	113	1.013	0.982	1.001
Total	20,230	0.992	1.000	251	1.032	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	10,844	1.095	1.032	66	1.001	0.984	1.032
Molina	2,402	1.032	0.973	60	0.989	0.972	0.973
United	8,308	1.026	0.966	93	1.048	1.030	0.967
Total	21,554	1.061	1.000	219	1.018	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	7,459	1.141	1.031	69	1.020	0.996	1.031
Molina	2,159	1.085	0.981	75	1.073	1.047	0.983
United	7,552	1.078	0.975	102	0.991	0.968	0.975
Total	17,170	1.106	1.000	246	1.024	1.000	1.000

Exhibit 1B
Mississippi Division of Medicaid
MA Adult Risk Score Adjustment Summary - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	3,716	1.013	1.013	249	0.997	0.992	1.011
Molina	2,305	0.961	0.961	219	1.018	1.013	0.966
United	3,424	1.012	1.012	243	1.001	0.997	1.011
Total	9,445	1.000	1.000	711	1.005	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	4,113	1.035	1.038	329	0.991	0.986	1.034
Molina	2,801	0.943	0.945	262	1.015	1.010	0.951
United	4,057	0.998	1.000	326	1.010	1.006	1.000
Total	10,971	0.998	1.000	917	1.005	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	4,944	1.055	1.013	279	0.998	1.001	1.012
Molina	4,111	0.982	0.943	252	0.986	0.990	0.945
United	6,007	1.072	1.029	375	1.002	1.006	1.028
Total	15,062	1.041	1.000	906	0.996	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	25,821	1.016	1.002	464	1.014	1.011	1.002
Molina	10,870	0.948	0.936	462	0.997	0.994	0.938
United	22,977	1.041	1.028	542	0.999	0.996	1.027
Total	59,668	1.013	1.000	1,468	1.003	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	30,692	1.021	1.014	469	0.996	0.997	1.014
Molina	13,666	0.933	0.927	417	1.002	1.004	0.929
United	27,042	1.027	1.021	541	0.997	0.999	1.020
Total	71,400	1.006	1.000	1,427	0.998	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	30,231	1.037	1.006	475	0.999	1.005	1.006
Molina	17,166	0.963	0.935	463	0.983	0.990	0.936
United	32,717	1.059	1.028	601	0.997	1.004	1.028
Total	80,114	1.030	1.000	1,539	0.993	1.000	1.000

Exhibit 1D
Mississippi Division of Medicaid
Quasi-CHIP Risk Score Adjustment Summary - Q3Q4 2022 Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	2,921	1.049	1.001	48	1.054	1.001	1.001
Molina	1,245	1.012	0.965	51	1.086	1.031	0.968
United	3,133	1.063	1.013	69	1.029	0.977	1.012
Total	7,299	1.049	1.000	168	1.053	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	3,356	1.026	0.992	52	1.076	1.004	0.992
Molina	1,361	1.001	0.968	33	1.050	0.979	0.968
United	3,348	1.056	1.021	65	1.080	1.007	1.021
Total	8,065	1.034	1.000	150	1.072	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	2,885	1.077	0.965	30	1.053	0.988	0.966
Molina	1,422	1.041	0.932	51	1.068	1.002	0.935
United	3,510	1.178	1.056	56	1.071	1.005	1.055
Total	7,817	1.116	1.000	137	1.066	1.000	1.000

Exhibit 1E
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q3Q4 2022 Risk Scores
April 2022 Snapshot Period

North Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,340	0.744	0.931
Molina	227	1.035	1.297
United	416	0.846	1.059
Total	1,983	0.799	1.000

Central Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,377	0.829	0.947
Molina	264	1.068	1.221
United	383	0.909	1.039
Total	2,024	0.875	1.000

South Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	1,937	0.740	0.925
Molina	362	1.028	1.286
United	584	0.858	1.073
Total	2,883	0.800	1.000

Exhibit 2A Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.989	0.989	1.020	0.992	0.0%	3.1%	-2.7%	0.3%
Molina	0.990	0.987	1.025	0.990	-0.2%	3.8%	-3.5%	0.0%
United	0.984	0.982	1.018	0.993	-0.2%	3.7%	-2.5%	0.9%
Unscored Members								
Magnolia	1.081	1.078	0.977	1.046	-0.3%	-9.3%	7.0%	-3.3%
Molina	1.004	1.010	0.859	1.050	0.5%	-14.9%	22.2%	4.5%
United	1.016	1.010	1.129	1.013	-0.5%	11.8%	-10.2%	-0.2%
All Members								
Magnolia	0.990	0.989	1.020	0.993	0.0%	3.0%	-2.7%	0.3%
Molina	0.989	0.987	1.025	0.991	-0.2%	3.8%	-3.3%	0.2%
United	0.985	0.983	1.019	0.993	-0.2%	3.6%	-2.5%	0.9%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.078	1.078	1.120	1.095	0.0%	3.9%	-2.2%	1.6%
Molina	1.079	1.082	1.101	1.032	0.3%	1.7%	-6.2%	-4.4%
United	1.014	1.015	1.058	1.026	0.0%	4.2%	-3.0%	1.1%
Unscored Members								
Magnolia	1.004	0.997	0.805	1.001	-0.6%	-19.2%	24.3%	-0.2%
Molina	0.996	0.996	1.108	0.989	0.0%	11.3%	-10.7%	-0.6%
United	0.991	0.997	0.957	1.048	0.6%	-4.0%	9.5%	5.7%
All Members								
Magnolia	1.077	1.078	1.120	1.095	0.0%	3.9%	-2.3%	1.6%
Molina	1.078	1.081	1.101	1.032	0.3%	1.9%	-6.3%	-4.3%
United	1.014	1.015	1.058	1.026	0.0%	4.2%	-3.0%	1.2%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.128	1.127	1.175	1.141	-0.2%	4.3%	-2.9%	1.1%
Molina	1.126	1.122	1.157	1.085	-0.3%	3.1%	-6.2%	-3.6%
United	1.060	1.065	1.115	1.078	0.5%	4.7%	-3.3%	1.8%
Unscored Members								
Magnolia	1.044	1.036	0.918	1.020	-0.8%	-11.3%	11.1%	-2.3%
Molina	1.044	1.025	0.983	1.073	-1.8%	-4.1%	9.1%	2.8%
United	1.059	1.053	0.999	0.991	-0.5%	-5.1%	-0.8%	-6.3%
All Members								
Magnolia	1.127	1.125	1.175	1.139	-0.2%	4.4%	-3.0%	1.1%
Molina	1.123	1.119	1.157	1.086	-0.4%	3.4%	-6.1%	-3.3%
United	1.060	1.065	1.115	1.077	0.5%	4.7%	-3.4%	1.7%

Exhibit 2B Mississippi Division of Medicaid Impact Analysis Non-Newborn SSI / Disabled Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.002	1.003	1.000	1.000	0.1%	-0.3%	0.0%	-0.2%
Molina	1.003	1.001	1.005	0.998	-0.1%	0.4%	-0.8%	-0.5%
United	0.997	0.996	0.999	1.001	-0.1%	0.2%	0.2%	0.4%
Unscored Members								
Magnolia	1.051	1.050	0.979	1.013	-0.2%	-6.7%	3.4%	-3.7%
Molina	0.977	0.983	0.861	1.017	0.7%	-12.4%	18.1%	4.1%
United	0.988	0.984	1.132	0.982	-0.4%	15.1%	-13.3%	-0.6%
All Members								
Magnolia	1.002	1.003	1.000	1.000	0.1%	-0.3%	0.0%	-0.2%
Molina	1.002	1.001	1.005	0.998	-0.1%	0.4%	-0.7%	-0.3%
United	0.997	0.996	0.999	1.001	-0.1%	0.3%	0.2%	0.4%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.023	1.023	1.024	1.032	0.0%	0.1%	0.8%	0.9%
Molina	1.024	1.027	1.006	0.973	0.2%	-2.0%	-3.3%	-5.1%
United	0.963	0.962	0.967	0.966	0.0%	0.4%	-0.1%	0.4%
Unscored Members								
Magnolia	1.008	1.001	0.842	0.984	-0.7%	-15.9%	16.9%	-2.4%
Molina	0.999	0.999	1.158	0.972	0.0%	15.9%	-16.0%	-2.7%
United	0.995	1.000	1.000	1.030	0.6%	0.0%	2.9%	3.5%
All Members								
Magnolia	1.023	1.023	1.024	1.032	0.0%	0.1%	0.8%	0.8%
Molina	1.024	1.026	1.007	0.973	0.2%	-1.9%	-3.4%	-5.0%
United	0.963	0.963	0.967	0.967	0.0%	0.4%	0.0%	0.4%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.028	1.025	1.025	1.031	-0.3%	0.0%	0.6%	0.3%
Molina	1.025	1.021	1.009	0.981	-0.4%	-1.1%	-2.9%	-4.4%
United	0.965	0.969	0.973	0.975	0.4%	0.3%	0.2%	1.0%
Unscored Members								
Magnolia	0.995	0.997	0.934	0.996	0.3%	-6.3%	6.6%	0.1%
Molina	0.994	0.987	1.000	1.047	-0.7%	1.3%	4.7%	5.3%
United	1.008	1.014	1.016	0.968	0.6%	0.2%	-4.8%	-4.0%
All Members								
Magnolia	1.028	1.025	1.025	1.031	-0.3%	0.0%	0.6%	0.3%
Molina	1.024	1.019	1.009	0.983	-0.4%	-1.0%	-2.6%	-4.0%
United	0.966	0.970	0.973	0.975	0.4%	0.3%	0.2%	0.9%

Exhibit 2C Mississippi Division of Medicaid Impact Analysis MA Adult Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.988	0.980	0.985	1.013	-0.8%	0.5%	2.8%	2.5%
Molina	0.956	0.951	0.944	0.961	-0.5%	-0.8%	1.9%	0.5%
United	0.987	0.980	1.002	1.012	-0.7%	2.2%	1.0%	2.6%
Unscored Members								
Magnolia	0.990	0.990	0.989	0.997	0.0%	-0.1%	0.8%	0.7%
Molina	0.987	0.986	0.989	1.018	-0.1%	0.3%	2.9%	3.1%
United	1.007	1.006	0.972	1.001	0.0%	-3.4%	3.0%	-0.5%
All Members								
Magnolia	0.988	0.981	0.985	1.012	-0.7%	0.4%	2.7%	2.4%
Molina	0.959	0.954	0.944	0.966	-0.5%	-1.1%	2.4%	0.8%
United	0.988	0.982	1.002	1.012	-0.6%	2.0%	0.9%	2.4%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.005	1.003	1.021	1.035	-0.2%	1.8%	1.4%	3.0%
Molina	0.942	0.941	0.944	0.943	-0.1%	0.3%	-0.1%	0.1%
United	0.988	0.986	0.987	0.998	-0.3%	0.2%	1.1%	0.9%
Unscored Members								
Magnolia	0.994	0.994	0.880	0.991	-0.1%	-11.5%	12.7%	-0.3%
Molina	0.980	0.981	0.967	1.015	0.1%	-1.5%	5.0%	3.5%
United	1.003	1.001	1.353	1.010	-0.2%	35.2%	-25.3%	0.7%
All Members								
Magnolia	1.005	1.003	1.021	1.032	-0.2%	1.8%	1.1%	2.7%
Molina	0.945	0.944	0.944	0.949	-0.1%	0.0%	0.5%	0.5%
United	0.989	0.987	0.987	0.999	-0.3%	0.1%	1.1%	0.9%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.060	1.056	1.058	1.055	-0.4%	0.1%	-0.3%	-0.5%
Molina	0.991	0.990	0.982	0.982	-0.2%	-0.8%	0.0%	-1.0%
United	1.047	1.041	1.066	1.072	-0.6%	2.4%	0.5%	2.3%
Unscored Members								
Magnolia	0.993	0.994	0.831	0.998	0.1%	-16.4%	20.1%	0.4%
Molina	0.978	0.978	1.009	0.986	0.0%	3.2%	-2.2%	0.8%
United	0.996	0.993	1.121	1.002	-0.2%	12.9%	-10.6%	0.7%
All Members								
Magnolia	1.055	1.052	1.057	1.051	-0.3%	0.6%	-0.6%	-0.4%
Molina	0.991	0.989	0.982	0.982	-0.2%	-0.8%	0.0%	-0.9%
United	1.043	1.037	1.066	1.068	-0.6%	2.8%	0.2%	2.3%

Exhibit 2D Mississippi Division of Medicaid Impact Analysis MA Adult Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.008	1.007	1.004	1.013	-0.1%	-0.3%	0.8%	0.4%
Molina	0.976	0.978	0.962	0.961	0.2%	-1.6%	-0.1%	-1.5%
United	1.007	1.007	1.022	1.012	0.0%	1.4%	-0.9%	0.5%
Unscored Members								
Magnolia	0.995	0.995	1.009	0.992	0.1%	1.3%	-1.7%	-0.3%
Molina	0.992	0.991	1.009	1.013	0.0%	1.8%	0.4%	2.2%
United	1.011	1.011	0.991	0.997	0.0%	-2.0%	0.5%	-1.5%
All Members								
Magnolia	1.008	1.007	1.004	1.011	-0.1%	-0.2%	0.7%	0.4%
Molina	0.978	0.979	0.962	0.966	0.1%	-1.7%	0.4%	-1.2%
United	1.008	1.008	1.022	1.011	0.0%	1.4%	-1.0%	0.4%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.023	1.023	1.034	1.038	0.0%	1.0%	0.4%	1.4%
Molina	0.959	0.960	0.955	0.945	0.1%	-0.5%	-1.1%	-1.5%
United	1.006	1.006	0.999	1.000	-0.1%	-0.6%	0.1%	-0.7%
Unscored Members								
Magnolia	1.001	1.001	0.905	0.986	0.0%	-9.5%	8.9%	-1.4%
Molina	0.986	0.988	0.995	1.010	0.2%	0.7%	1.5%	2.4%
United	1.009	1.008	1.393	1.006	-0.1%	38.2%	-27.8%	-0.4%
All Members								
Magnolia	1.022	1.022	1.033	1.034	0.0%	1.1%	0.0%	1.2%
Molina	0.961	0.962	0.955	0.951	0.1%	-0.7%	-0.5%	-1.1%
United	1.007	1.006	0.999	1.000	-0.1%	-0.7%	0.1%	-0.6%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.023	1.023	1.017	1.013	0.0%	-0.6%	-0.4%	-1.0%
Molina	0.957	0.959	0.944	0.943	0.3%	-1.6%	-0.2%	-1.5%
United	1.011	1.009	1.025	1.029	-0.2%	1.6%	0.4%	1.8%
Unscored Members								
Magnolia	1.005	1.006	0.822	1.001	0.1%	-18.3%	21.9%	-0.3%
Molina	0.989	0.989	0.997	0.990	0.1%	0.8%	-0.8%	0.1%
United	1.007	1.005	1.109	1.006	-0.1%	10.3%	-9.3%	-0.1%
All Members								
Magnolia	1.022	1.022	1.017	1.012	0.1%	-0.5%	-0.5%	-1.0%
Molina	0.960	0.962	0.944	0.945	0.2%	-1.8%	0.1%	-1.5%
United	1.010	1.008	1.025	1.028	-0.2%	1.7%	0.2%	1.7%

Exhibit 2E Mississippi Division of Medicaid Impact Analysis MA Children Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.978	0.977	1.002	1.016	-0.1%	2.5%	1.4%	3.8%
Molina	0.912	0.912	0.928	0.948	0.0%	1.8%	2.1%	3.9%
United	1.000	0.997	1.023	1.041	-0.3%	2.6%	1.8%	4.1%
Unscored Members								
Magnolia	0.999	0.999	1.006	1.014	0.0%	0.7%	0.8%	1.5%
Molina	0.988	0.988	0.946	0.997	0.0%	-4.2%	5.4%	0.9%
United	0.999	0.999	0.891	0.999	0.0%	-10.8%	12.1%	-0.1%
All Members								
Magnolia	0.979	0.978	1.002	1.015	-0.1%	2.5%	1.3%	3.8%
Molina	0.915	0.915	0.928	0.950	0.0%	1.4%	2.3%	3.8%
United	1.000	0.997	1.023	1.040	-0.3%	2.6%	1.7%	4.0%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.992	0.990	1.007	1.021	-0.3%	1.7%	1.4%	2.9%
Molina	0.911	0.906	0.918	0.933	-0.6%	1.3%	1.6%	2.4%
United	0.994	0.994	1.009	1.027	0.0%	1.5%	1.8%	3.3%
Unscored Members								
Magnolia	1.006	1.005	0.913	0.996	-0.1%	-9.2%	9.1%	-1.0%
Molina	0.990	0.991	0.896	1.002	0.1%	-9.6%	11.8%	1.2%
United	0.989	0.989	0.961	0.997	0.1%	-2.9%	3.8%	0.9%
All Members								
Magnolia	0.992	0.990	1.007	1.020	-0.3%	1.7%	1.3%	2.8%
Molina	0.914	0.909	0.918	0.935	-0.5%	1.0%	1.9%	2.3%
United	0.994	0.994	1.009	1.026	0.0%	1.5%	1.7%	3.3%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.017	1.016	1.029	1.037	-0.1%	1.4%	0.7%	2.0%
Molina	0.947	0.946	0.958	0.963	-0.1%	1.3%	0.5%	1.7%
United	1.043	1.040	1.053	1.059	-0.2%	1.2%	0.6%	1.6%
Unscored Members								
Magnolia	0.998	0.998	0.869	0.999	0.0%	-12.9%	14.9%	0.1%
Molina	0.990	0.990	0.947	0.983	0.0%	-4.3%	3.8%	-0.7%
United	1.000	1.000	1.078	0.997	0.0%	7.8%	-7.4%	-0.2%
All Members								
Magnolia	1.016	1.015	1.029	1.036	-0.1%	1.4%	0.7%	1.9%
Molina	0.949	0.948	0.958	0.964	-0.1%	1.1%	0.6%	1.6%
United	1.041	1.039	1.053	1.058	-0.2%	1.3%	0.5%	1.6%

Exhibit 2F Mississippi Division of Medicaid Impact Analysis MA Children Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.004	1.005	1.006	1.002	0.1%	0.1%	-0.4%	-0.2%
Molina	0.936	0.938	0.932	0.936	0.2%	-0.6%	0.4%	-0.1%
United	1.026	1.025	1.027	1.028	-0.1%	0.2%	0.1%	0.1%
Unscored Members								
Magnolia	1.003	1.003	1.038	1.011	0.0%	3.4%	-2.6%	0.8%
Molina	0.993	0.992	0.976	0.994	0.0%	-1.7%	1.9%	0.1%
United	1.004	1.004	0.919	0.996	0.0%	-8.5%	8.4%	-0.8%
All Members								
Magnolia	1.004	1.005	1.006	1.002	0.1%	0.1%	-0.3%	-0.1%
Molina	0.939	0.940	0.932	0.938	0.2%	-0.9%	0.6%	-0.1%
United	1.026	1.024	1.027	1.027	-0.1%	0.2%	0.0%	0.1%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.015	1.015	1.017	1.014	-0.1%	0.2%	-0.3%	-0.1%
Molina	0.933	0.929	0.927	0.927	-0.4%	-0.2%	0.0%	-0.6%
United	1.018	1.020	1.019	1.021	0.2%	-0.1%	0.1%	0.3%
Unscored Members								
Magnolia	1.012	1.011	0.985	0.997	-0.1%	-2.5%	1.2%	-1.4%
Molina	0.996	0.997	0.968	1.004	0.0%	-2.9%	3.8%	0.8%
United	0.994	0.995	1.037	0.999	0.0%	4.3%	-3.7%	0.4%
All Members								
Magnolia	1.015	1.015	1.017	1.014	-0.1%	0.2%	-0.3%	-0.1%
Molina	0.935	0.932	0.927	0.929	-0.3%	-0.5%	0.2%	-0.6%
United	1.017	1.019	1.019	1.020	0.2%	0.0%	0.1%	0.3%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.004	1.005	1.005	1.006	0.0%	0.1%	0.1%	0.2%
Molina	0.935	0.936	0.936	0.935	0.1%	0.0%	-0.1%	0.0%
United	1.029	1.029	1.028	1.028	-0.1%	0.0%	0.0%	-0.1%
Unscored Members								
Magnolia	1.002	1.002	0.891	1.005	0.0%	-11.1%	12.8%	0.3%
Molina	0.994	0.994	0.971	0.990	0.0%	-2.3%	1.9%	-0.5%
United	1.004	1.004	1.105	1.004	0.0%	10.0%	-9.1%	0.0%
All Members								
Magnolia	1.004	1.004	1.005	1.006	0.0%	0.1%	0.1%	0.2%
Molina	0.938	0.938	0.936	0.936	0.1%	-0.2%	0.1%	-0.1%
United	1.029	1.028	1.028	1.028	-0.1%	0.0%	-0.1%	-0.1%

Exhibit 2G Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.014	1.015	1.030	1.049	0.0%	1.5%	1.9%	3.5%
Molina	0.983	0.982	1.007	1.012	-0.1%	2.5%	0.6%	3.0%
United	1.033	1.031	1.058	1.063	-0.2%	2.6%	0.4%	2.9%
Unscored Members								
Magnolia	1.021	1.024	N/A	1.054	0.3%	N/A	N/A	3.2%
Molina	1.080	1.080	N/A	1.086	0.0%	N/A	N/A	0.5%
United	1.070	1.070	N/A	1.029	0.0%	N/A	N/A	-3.8%
All Members								
Magnolia	1.014	1.015	1.030	1.049	0.0%	1.4%	1.9%	3.5%
Molina	0.985	0.985	1.007	1.015	-0.1%	2.2%	0.8%	3.0%
United	1.034	1.032	1.058	1.062	-0.2%	2.5%	0.4%	2.7%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.009	1.010	1.031	1.026	0.0%	2.1%	-0.5%	1.6%
Molina	0.984	0.984	1.007	1.001	0.0%	2.4%	-0.6%	1.7%
United	1.038	1.039	1.055	1.056	0.1%	1.5%	0.1%	1.7%
Unscored Members								
Magnolia	1.013	1.010	1.144	1.076	-0.2%	13.2%	-5.9%	6.3%
Molina	1.062	1.062	N/A	1.050	0.0%	N/A	N/A	-1.1%
United	1.062	1.062	1.046	1.080	0.0%	-1.6%	3.3%	1.7%
All Members								
Magnolia	1.009	1.010	1.031	1.027	0.0%	2.1%	-0.4%	1.7%
Molina	0.986	0.986	1.007	1.002	0.0%	2.2%	-0.5%	1.6%
United	1.039	1.039	1.055	1.056	0.1%	1.5%	0.1%	1.7%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	1.078	1.080	1.085	1.077	0.1%	0.4%	-0.7%	-0.1%
Molina	1.016	1.015	1.042	1.041	-0.2%	2.7%	-0.1%	2.4%
United	1.137	1.142	1.166	1.178	0.4%	2.2%	1.0%	3.6%
Unscored Members								
Magnolia	1.032	1.034	0.983	1.053	0.2%	-4.9%	7.2%	2.1%
Molina	1.033	1.035	N/A	1.068	0.2%	N/A	N/A	3.4%
United	1.058	1.058	N/A	1.071	0.0%	N/A	N/A	1.2%
All Members								
Magnolia	1.077	1.079	1.085	1.077	0.1%	0.5%	-0.7%	0.0%
Molina	1.018	1.016	1.042	1.043	-0.2%	2.5%	0.1%	2.4%
United	1.136	1.140	1.166	1.177	0.4%	2.3%	0.9%	3.6%

Exhibit 2H Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q1Q2 2022 to Q3Q4 2022 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.998	0.999	0.992	1.001	0.1%	-0.6%	0.8%	0.3%
Molina	0.967	0.967	0.970	0.965	0.0%	0.4%	-0.5%	-0.2%
United	1.016	1.015	1.020	1.013	-0.1%	0.5%	-0.6%	-0.3%
Unscored Members								
Magnolia	0.964	0.966	N/A	1.001	0.2%	N/A	N/A	3.7%
Molina	1.020	1.019	N/A	1.031	-0.1%	N/A	N/A	1.1%
United	1.010	1.009	N/A	0.977	-0.1%	N/A	N/A	-3.3%
All Members								
Magnolia	0.997	0.998	0.992	1.001	0.1%	-0.6%	0.8%	0.4%
Molina	0.968	0.968	0.970	0.968	0.0%	0.2%	-0.3%	-0.1%
United	1.016	1.015	1.020	1.012	-0.1%	0.5%	-0.7%	-0.3%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.993	0.993	0.995	0.992	0.0%	0.2%	-0.3%	-0.1%
Molina	0.968	0.967	0.972	0.968	-0.1%	0.5%	-0.4%	0.0%
United	1.021	1.021	1.018	1.021	0.0%	-0.4%	0.3%	0.0%
Unscored Members								
Magnolia	0.967	0.966	1.015	1.004	-0.1%	5.1%	-1.1%	3.8%
Molina	1.014	1.014	N/A	0.979	0.1%	N/A	N/A	-3.4%
United	1.014	1.015	0.927	1.007	0.1%	-8.7%	8.7%	-0.7%
All Members								
Magnolia	0.992	0.992	0.995	0.992	0.0%	0.2%	-0.2%	0.0%
Molina	0.969	0.969	0.972	0.968	-0.1%	0.3%	-0.3%	-0.1%
United	1.021	1.021	1.018	1.021	0.0%	-0.4%	0.3%	0.0%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Oct 2021	Oct 2021	Oct 2021	Apr 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	SFY 2021	SFY 2021	CY 2021	CY 2021				
Scored Members								
Magnolia	0.987	0.986	0.975	0.965	-0.1%	-1.1%	-1.0%	-2.2%
Molina	0.930	0.926	0.936	0.932	-0.4%	1.0%	-0.4%	0.3%
United	1.041	1.042	1.048	1.056	0.2%	0.6%	0.7%	1.5%
Unscored Members								
Magnolia	0.990	0.991	1.000	0.988	0.1%	0.9%	-1.2%	-0.2%
Molina	0.991	0.992	N/A	1.002	0.1%	N/A	N/A	1.1%
United	1.015	1.014	N/A	1.005	-0.1%	N/A	N/A	-1.0%
All Members								
Magnolia	0.987	0.986	0.975	0.966	0.0%	-1.2%	-1.0%	-2.1%
Molina	0.932	0.929	0.936	0.935	-0.3%	0.8%	-0.1%	0.3%
United	1.040	1.042	1.048	1.055	0.2%	0.6%	0.7%	1.4%

Exhibit 3A

Mississippi Division of Medicaid

Risk Adjustment Results

Non-Newborn SSI / Disabled - North Region - Q3Q4 2022 Prospective Risk Scores

CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.077	N/A	9,911	100.00%	N/A	2,190	100.00%	N/A	8,129	100.00%	N/A	20,230	100.00%
Demographic Categories													
Age 1 to 4	0.087	N/A	298	3.01%	N/A	150	6.85%	N/A	262	3.22%	N/A	710	3.51%
Age 5 to 14 Female	0.089	N/A	502	5.07%	N/A	109	4.98%	N/A	439	5.40%	N/A	1,050	5.19%
Age 5 to 14 Male	0.067	N/A	1,130	11.40%	N/A	251	11.46%	N/A	893	10.99%	N/A	2,274	11.24%
Age 15 to 24 Female	0.108	N/A	456	4.60%	N/A	117	5.34%	N/A	422	5.19%	N/A	995	4.92%
Age 15 to 24 Male	0.000	N/A	827	8.34%	N/A	249	11.37%	N/A	760	9.35%	N/A	1,836	9.08%
Age 25 to 44 Female	0.206	N/A	1,159	11.69%	N/A	224	10.23%	N/A	910	11.19%	N/A	2,293	11.33%
Age 25 to 44 Male	0.053	N/A	1,200	12.11%	N/A	225	10.27%	N/A	1,006	12.38%	N/A	2,431	12.02%
Age 45 to 64 Female	0.109	N/A	2,541	25.64%	N/A	390	17.81%	N/A	1,922	23.64%	N/A	4,853	23.99%
Age 45 to 64 Male	0.111	N/A	1,777	17.93%	N/A	474	21.64%	N/A	1,501	18.46%	N/A	3,752	18.55%
Age 65 and Older Male and Female	0.006	N/A	21	0.21%	N/A	1	0.05%	N/A	14	0.17%	N/A	36	0.18%
Duration Categories													
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	28	0.28%	N/A	37	1.69%	N/A	45	0.55%	N/A	110	0.54%
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	34	0.34%	N/A	27	1.23%	N/A	46	0.57%	N/A	107	0.53%
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	9,849	99.37%	N/A	2,126	97.08%	N/A	8,038	98.88%	N/A	20,013	98.93%
Disease Categories													
Cancer, very high	4.640	12	50	0.50%	4	21	0.96%	7	54	0.66%	8	125	0.62%
Cancer, high	1.263	23	116	1.17%	13	34	1.55%	30	73	0.90%	26	223	1.10%
Cancer, medium	0.649	27	192	1.94%	31	34	1.55%	23	200	2.46%	27	426	2.11%
Cancer, low	0.148	46	95	0.96%	47	22	1.00%	46	106	1.30%	45	223	1.10%
Cardiovascular, very high	1.401	34	49	0.49%	32	11	0.50%	32	46	0.57%	34	106	0.52%
Cardiovascular, medium	0.570	2	1,022	10.31%	2	208	9.50%	2	733	9.02%	2	1,963	9.70%
Cardiovascular, medium - child	0.188	49	59	0.60%	46	21	0.96%	49	50	0.62%	49	130	0.64%
Cardiovascular, low	0.192	19	910	9.18%	20	195	8.90%	19	741	9.12%	20	1,846	9.13%
Cardiovascular, extra low	0.106	6	3,162	31.90%	8	609	27.81%	6	2,534	31.17%	6	6,305	31.17%
Cerebrovascular, low	0.153	44	158	1.59%	42	46	2.10%	43	140	1.72%	44	344	1.70%
CNS, medium to high	0.589	18	298	3.01%	17	67	3.06%	17	248	3.05%	19	613	3.03%
CNS, high - child	1.358	40	26	0.26%	44	4	0.18%	44	15	0.18%	42	45	0.22%
CNS, low	0.218	5	1,711	17.26%	6	343	15.66%	4	1,397	17.19%	5	3,451	17.06%
DD, low to medium	0.153	39	353	3.56%	37	78	3.56%	34	379	4.66%	38	810	4.00%
Diabetes, type 1 high	1.267	47	10	0.10%	49	2	0.09%	45	14	0.17%	46	26	0.13%
Diabetes, type 1 medium	0.683	33	128	1.29%	35	21	0.96%	32	100	1.23%	32	249	1.23%
Diabetes, type 2 medium	0.416	9	630	6.36%	18	93	4.25%	13	417	5.13%	10	1,140	5.64%
Diabetes, type 2 low	0.177	16	1,097	11.07%	24	189	8.63%	16	857	10.54%	18	2,143	10.59%
Eye, low	0.142	48	86	0.87%	48	21	0.96%	48	69	0.85%	48	176	0.87%
Eye, very low	0.107	31	934	9.42%	38	109	4.98%	35	538	6.62%	33	1,581	7.82%
Genital, extra low	0.070	43	377	3.80%	43	83	3.79%	42	317	3.90%	43	777	3.84%
Gastro, medium to high	0.523	8	539	5.44%	7	125	5.71%	9	429	5.28%	9	1,093	5.40%
Gastro, high - child	1.264	30	91	0.92%	26	24	1.10%	29	76	0.93%	30	191	0.94%
Gastro, low	0.127	10	1,893	19.10%	16	319	14.57%	12	1,435	17.65%	12	3,647	18.03%
Hematological, very high to extra high	1.633	24	89	0.90%	33	9	0.41%	22	84	1.03%	23	182	0.90%
Hematological, medium	0.705	32	127	1.28%	30	37	1.69%	31	105	1.29%	31	269	1.33%
Hematological, low	0.491	38	111	1.12%	36	28	1.28%	36	114	1.40%	37	253	1.25%
AIDS, high	1.699	4	232	2.34%	3	58	2.65%	5	176	2.17%	4	466	2.30%
HIV, medium	1.210	42	24	0.24%	41	6	0.27%	41	22	0.27%	41	52	0.26%
Infectious, low to medium	0.435	21	351	3.54%	14	98	4.47%	24	291	3.58%	21	740	3.66%
Metabolic, high	1.035	22	143	1.44%	27	28	1.28%	20	137	1.69%	22	308	1.52%
Metabolic, high - child	0.158	51	32	0.32%	50	7	0.32%	51	35	0.43%	51	74	0.37%
Metabolic, medium	0.396	25	351	3.54%	21	92	4.20%	26	289	3.56%	24	732	3.62%
Metabolic, very low	0.138	26	998	10.07%	25	221	10.09%	25	840	10.33%	25	2,059	10.18%
Pregnancy, incomplete	0.395	45	36	0.36%	45	11	0.50%	50	20	0.25%	47	67	0.33%
Psychiatric, high	0.677	3	602	6.07%	5	126	5.75%	3	536	6.59%	3	1,264	6.25%
Psychiatric, medium low to medium	0.264	1	2,559	25.81%	1	579	26.44%	1	2,206	27.14%	1	5,344	26.42%
Psychiatric, low	0.167	14	1,240	12.51%	15	250	11.42%	14	1,016	12.50%	14	2,506	12.39%
Pulmonary, very high	1.167	13	193	1.95%	10	46	2.10%	21	121	1.49%	13	360	1.78%
Pulmonary, very high - child	1.465	37	39	0.39%	29	18	0.82%	38	34	0.42%	36	91	0.45%
Pulmonary, high	0.593	50	16	0.16%	51	0	0.00%	47	18	0.22%	50	34	0.17%
Pulmonary, medium	0.475	17	382	3.85%	12	100	4.57%	15	340	4.18%	16	822	4.06%
Pulmonary, low	0.178	7	1,871	18.88%	9	333	15.21%	8	1,321	16.25%	7	3,525	17.42%
Renal, extra high	3.856	20	40	0.40%	23	9	0.41%	10	55	0.68%	15	104	0.51%
Renal, very high	0.489	28	252	2.54%	28	55	2.51%	27	217	2.67%	28	524	2.59%
Renal, low to medium	0.132	36	436	4.40%	39	80	3.65%	39	333	4.10%	39	849	4.20%
Skeletal, medium	0.308	15	642	6.48%	19	122	5.57%	18	469	5.77%	17	1,233	6.09%
Skeletal, very low to low	0.149	11	1,604	16.18%	11	326	14.89%	11	1,229	15.12%	11	3,159	15.62%
Skin, low - high	0.254	41	132	1.33%	40	32	1.46%	40	125	1.54%	40	289	1.43%
Skin, very low	0.090	35	750	7.57%	34	161	7.35%	37	590	7.26%	35	1,501	7.42%
Substance abuse, very low to low	0.153	29	769	7.76%	22	228	10.41%	28	661	8.13%	29	1,658	8.20%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,864	18.81%	N/A	460	21.00%	N/A	1,474	18.13%	N/A	3,798	18.77%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	1	1.49%	N/A	2	2.82%	N/A	5	4.42%	N/A	8	3.19%
Age 5 to 14 Female	0.660	N/A	3	4.48%	N/A	1	1.41%	N/A	3	2.65%	N/A	7	2.79%
Age 5 to 14 Male	0.572	N/A	4	5.97%	N/A	6	8.45%	N/A	8	7.08%	N/A	18	7.17%
Age 15 to 24 Female	0.746	N/A	5	7.46%	N/A	2	2.82%	N/A	6	5.31%	N/A	13	5.18%
Age 15 to 24 Male	0.523	N/A	4	5.97%	N/A	6	8.45%	N/A	9	7.96%	N/A	19	7.57%
Age 25 to 44 Female	1.154	N/A	8	11.94%	N/A	13	18.31%	N/A	16	14.16%	N/A	37	14.74%
Age 25 to 44 Male	0.821	N/A	5	7.46%	N/A	6	8.45%	N/A	18	15.93%	N/A	29	11.55%
Age 45 to 64 Female	1.314	N/A	13	19.40%	N/A	17	23.94%	N/A	24	21.24%	N/A	54	21.51%
Age 45 to 64 Male	1.185	N/A	24	35.82%	N/A	18	25.35%	N/A	24	21.24%	N/A	66	26.29%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%

Risk Adjustment Results				
Scored Members		Magnolia	Molina	United
Member Months		9,911	2,190	8,129
Unadjusted Plan Factor		0.992	0.990	0.993
Budget Neutral Plan Factor		1.000	0.998	1.001
Unscored Members		Total		
Member Months		67	71	113
Unadjusted Plan Factor		1.046	1.050	1.013
Budget Neutral Plan Factor		1.013	1.017	0.982
Total Members		Total		
Member Months		9,978	2,261	8,242
Unadjusted Plan Factor		0.993	0.993	0.993
Budget Neutral Plan Factor		1.000	0.998	1.001

Exhibit 3B

Mississippi Division of Medicaid

Risk Adjustment Results

Non-Newborn SSI / Disabled - Central Region - Q3Q4 2022 Prospective Risk Scores

CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.077	N/A	10,844	100.00%	N/A	2,402	100.00%	N/A	8,308	100.00%	N/A	21,554	100.00%
Demographic Categories													
Age 1 to 4	0.087	N/A	356	3.28%	N/A	191	7.95%	N/A	311	3.74%	N/A	858	3.98%
Age 5 to 14 Female	0.089	N/A	551	5.08%	N/A	119	4.95%	N/A	442	5.32%	N/A	1,112	5.16%
Age 5 to 14 Male	0.067	N/A	1,243	11.46%	N/A	269	11.20%	N/A	962	11.58%	N/A	2,474	11.48%
Age 15 to 24 Female	0.108	N/A	528	4.87%	N/A	143	5.95%	N/A	444	5.34%	N/A	1,115	5.17%
Age 15 to 24 Male	0.000	N/A	977	9.01%	N/A	259	10.78%	N/A	762	9.17%	N/A	1,998	9.27%
Age 25 to 44 Female	0.206	N/A	1,245	11.48%	N/A	177	7.37%	N/A	879	10.58%	N/A	2,301	10.68%
Age 25 to 44 Male	0.053	N/A	1,267	11.68%	N/A	289	12.03%	N/A	1,038	12.49%	N/A	2,594	12.03%
Age 45 to 64 Female	0.109	N/A	2,608	24.05%	N/A	403	16.78%	N/A	1,810	21.79%	N/A	4,821	22.37%
Age 45 to 64 Male	0.111	N/A	2,002	18.46%	N/A	549	22.86%	N/A	1,627	19.58%	N/A	4,178	19.38%
Age 65 and Older Male and Female	0.006	N/A	67	0.62%	N/A	3	0.12%	N/A	33	0.40%	N/A	103	0.48%
Duration Categories													
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	35	0.32%	N/A	27	1.12%	N/A	46	0.55%	N/A	108	0.50%
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	49	0.45%	N/A	39	1.62%	N/A	53	0.64%	N/A	141	0.65%
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	10,760	99.23%	N/A	2,336	97.25%	N/A	8,209	98.81%	N/A	21,305	98.84%
Disease Categories													
Cancer, very high	4.640	11	60	0.55%	3	32	1.33%	17	36	0.43%	10	128	0.59%
Cancer, high	1.263	25	126	1.16%	17	34	1.42%	21	110	1.32%	23	270	1.25%
Cancer, medium	0.649	28	230	2.12%	30	40	1.67%	23	209	2.52%	25	479	2.22%
Cancer, low	0.148	46	131	1.21%	45	28	1.17%	48	66	0.79%	46	225	1.04%
Cardiovascular, very high	1.401	32	81	0.75%	41	7	0.29%	32	49	0.59%	32	137	0.64%
Cardiovascular, medium	0.570	3	1,073	9.89%	4	221	9.20%	3	734	8.83%	3	2,028	9.41%
Cardiovascular, medium - child	0.188	50	51	0.47%	50	15	0.62%	50	47	0.57%	50	113	0.52%
Cardiovascular, low	0.192	22	919	8.47%	15	235	9.78%	24	698	8.40%	22	1,852	8.59%
Cardiovascular, extra low	0.106	7	3,576	32.98%	9	642	26.73%	6	2,584	31.10%	6	6,802	31.56%
Cerebrovascular, low	0.153	43	276	2.55%	40	66	2.75%	43	173	2.08%	43	515	2.39%
CNS, medium to high	0.589	16	412	3.80%	14	80	3.33%	13	295	3.55%	15	787	3.65%
CNS, high - child	1.358	39	42	0.39%	46	3	0.12%	42	25	0.30%	41	70	0.32%
CNS, low	0.218	5	2,049	18.90%	6	454	18.90%	5	1,525	18.36%	5	4,028	18.69%
DD, low to medium	0.153	36	497	4.58%	32	127	5.29%	34	380	4.57%	35	1,004	4.66%
Diabetes, type 1 high	1.267	45	21	0.19%	43	7	0.29%	49	7	0.08%	45	35	0.16%
Diabetes, type 1 medium	0.683	34	131	1.21%	34	21	0.87%	36	81	0.97%	34	233	1.08%
Diabetes, type 2 medium	0.416	10	774	7.14%	20	99	4.12%	11	432	5.20%	11	1,305	6.05%
Diabetes, type 2 low	0.177	21	1,111	10.25%	24	197	8.20%	20	895	10.77%	20	2,203	10.22%
Eye, low	0.142	47	129	1.19%	48	23	0.96%	46	80	0.96%	47	232	1.08%
Eye, very low	0.107	30	1,101	10.15%	35	126	5.25%	33	556	6.69%	33	1,783	8.27%
Genital, extra low	0.070	44	412	3.80%	44	75	3.12%	44	309	3.72%	44	796	3.69%
Gastro, medium to high	0.523	9	645	5.95%	7	156	6.49%	7	463	5.57%	8	1,264	5.86%
Gastro, high - child	1.264	33	88	0.81%	29	21	0.87%	30	66	0.79%	31	175	0.81%
Gastro, low	0.127	12	2,054	18.94%	19	327	13.61%	16	1,320	15.89%	12	3,701	17.17%
Hematological, very high to extra high	1.633	20	124	1.14%	31	13	0.54%	22	84	1.01%	21	221	1.03%
Hematological, medium	0.705	31	165	1.52%	28	39	1.62%	31	114	1.37%	30	318	1.48%
Hematological, low	0.491	38	146	1.35%	33	39	1.62%	38	96	1.16%	37	281	1.30%
AIDS, high	1.699	4	322	2.97%	5	62	2.58%	4	244	2.94%	4	628	2.91%
HIV, medium	1.210	41	39	0.36%	38	9	0.37%	40	35	0.42%	40	83	0.39%
Infectious, low to medium	0.435	24	373	3.44%	21	94	3.91%	29	246	2.96%	26	713	3.31%
Metabolic, high	1.035	19	196	1.81%	22	38	1.58%	19	159	1.91%	19	393	1.82%
Metabolic, high - child	0.158	51	55	0.51%	51	10	0.42%	51	46	0.55%	51	111	0.51%
Metabolic, medium	0.396	29	373	3.44%	26	86	3.58%	26	283	3.41%	29	742	3.44%
Metabolic, very low	0.138	26	1,126	10.38%	25	251	10.45%	28	784	9.44%	27	2,161	10.03%
Pregnancy, incomplete	0.395	49	28	0.26%	47	9	0.37%	49	28	0.34%	49	65	0.30%
Psychiatric, high	0.677	2	1,045	9.64%	2	226	9.41%	2	757	9.11%	2	2,028	9.41%
Psychiatric, medium low to medium	0.264	1	3,200	29.51%	1	602	25.06%	1	2,248	27.06%	1	6,050	28.07%
Psychiatric, low	0.167	18	1,252	11.55%	12	304	12.66%	10	1,127	13.57%	17	2,683	12.45%
Pulmonary, very high	1.167	13	214	1.97%	23	30	1.25%	15	145	1.75%	16	389	1.80%
Pulmonary, very high - child	1.465	40	35	0.32%	37	8	0.33%	39	30	0.36%	39	73	0.34%
Pulmonary, high	0.593	48	23	0.21%	49	5	0.21%	45	24	0.29%	48	52	0.24%
Pulmonary, medium	0.475	17	459	4.23%	11	122	5.08%	18	351	4.22%	18	932	4.32%
Pulmonary, low	0.178	8	1,935	17.84%	10	346	14.40%	8	1,328	15.98%	9	3,609	16.74%
Renal, extra high	3.856	6	99	0.91%	8	18	0.75%	9	55	0.66%	7	172	0.80%
Renal, very high	0.489	27	315	2.90%	27	68	2.83%	27	225	2.71%	28	608	2.82%
Renal, low to medium	0.132	35	581	5.36%	39	79	3.29%	37	367	4.42%	38	1,027	4.76%
Skeletal, medium	0.308	14	807	7.44%	18	136	5.66%	14	561	6.75%	14	1,504	6.98%
Skeletal, very low to low	0.149	15	1,644	15.16%	13	327	13.61%	12	1,185	14.26%	13	3,156	14.64%
Skin, low - high	0.254	42	180	1.66%	42	37	1.54%	41	144	1.73%	42	361	1.67%
Skin, very low	0.090	37	831	7.66%	36	131	5.45%	35	617	7.43%	36	1,579	7.33%
Substance abuse, very low to low	0.153	23	1,069	9.86%	16	282	11.74%	25	829	9.98%	24	2,180	10.11%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,683	15.52%	N/A	469	19.53%	N/A	1,478	17.79%	N/A	3,630	16.84%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	0	0.00%	N/A	3	5.00%	N/A	2	2.15%	N/A	5	2.28%
Age 5 to 14 Female	0.660	N/A	5	7.58%	N/A	3	5.00%	N/A	2	2.15%	N/A	10	4.57%
Age 5 to 14 Male	0.572	N/A	7	10.61%	N/A	7	11.67%	N/A	8	8.60%	N/A	22	10.05%
Age 15 to 24 Female	0.746	N/A	2	3.03%	N/A	5	8.33%	N/A	0	0.00%	N/A	7	3.20%
Age 15 to 24 Male	0.523	N/A	4	6.06%	N/A	5	8.33%	N/A	12	12.90%	N/A	21	9.59%
Age 25 to 44 Female	1.154	N/A	7	10.61%	N/A	8	13.33%	N/A	9	9.68%	N/A	24	10.96%
Age 25 to 44 Male	0.821	N/A	9	13.64%	N/A	4	6.67%	N/A	6	6.45%	N/A	19	8.68%
Age 45 to 64 Female	1.314	N/A	14	21.21%	N/A	12	20.00%	N/A	29	31.18%	N/A	55	25.11%
Age 45 to 64 Male	1.185	N/A	18	27.27%	N/A	13	21.67%	N/A	25	26.88%	N/A	56	25.57%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%

Risk Adjustment Results				
Scored Members		Magnolia	Molina	United
Member Months		10,844	2,402	8,308
Unadjusted Plan Factor		1.095	1.032	1.026
Budget Neutral Plan Factor		1.032	0.973	0.966
Unscored Members				
Member Months		66	60	93
Unadjusted Plan Factor		1.001	0.989	1.048
Budget Neutral Plan Factor		0.984	0.972	1.030
Total Members				
Member Months		10,910	2,462	8,401
Unadjusted Plan Factor		1.095	1.032	1.026
Budget Neutral Plan Factor		1.032	0.973	0.967

Exhibit 3C

Mississippi Division of Medicaid

Risk Adjustment Results

Non-Newborn SSI / Disabled - South Region - Q3Q4 2022 Prospective Risk Scores

CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.077	N/A	7,459	100.00%	N/A	2,159	100.00%	N/A	7,552	100.00%	N/A	17,170	100.00%
Demographic Categories													
Age 1 to 4	0.087	N/A	265	3.55%	N/A	145	6.72%	N/A	240	3.18%	N/A	650	3.79%
Age 5 to 14 Female	0.089	N/A	428	5.74%	N/A	102	4.72%	N/A	417	5.52%	N/A	947	5.52%
Age 5 to 14 Male	0.067	N/A	949	12.72%	N/A	230	10.65%	N/A	911	12.06%	N/A	2,090	12.17%
Age 15 to 24 Female	0.108	N/A	347	4.65%	N/A	156	7.23%	N/A	370	4.90%	N/A	873	5.08%
Age 15 to 24 Male	0.000	N/A	581	7.79%	N/A	247	11.44%	N/A	654	8.66%	N/A	1,482	8.63%
Age 25 to 44 Female	0.206	N/A	738	9.89%	N/A	176	8.15%	N/A	778	10.30%	N/A	1,692	9.85%
Age 25 to 44 Male	0.053	N/A	772	10.35%	N/A	189	8.75%	N/A	821	10.87%	N/A	1,782	10.38%
Age 45 to 64 Female	0.109	N/A	1,969	26.40%	N/A	461	21.35%	N/A	1,867	24.72%	N/A	4,297	25.03%
Age 45 to 64 Male	0.111	N/A	1,386	18.58%	N/A	451	20.89%	N/A	1,475	19.53%	N/A	3,312	19.29%
Age 65 and Older Male and Female	0.006	N/A	24	0.32%	N/A	2	0.09%	N/A	19	0.25%	N/A	45	0.26%
Duration Categories													
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	30	0.40%	N/A	40	1.85%	N/A	40	0.53%	N/A	110	0.64%
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	25	0.34%	N/A	49	2.27%	N/A	52	0.69%	N/A	126	0.73%
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	7,404	99.26%	N/A	2,070	95.88%	N/A	7,460	98.78%	N/A	16,934	98.63%
Disease Categories													
Cancer, very high	4.640	9	52	0.70%	3	24	1.11%	12	43	0.57%	8	119	0.69%
Cancer, high	1.263	21	110	1.47%	19	35	1.62%	22	104	1.38%	22	249	1.45%
Cancer, medium	0.649	29	140	1.88%	32	32	1.49%	25	172	2.28%	29	344	2.00%
Cancer, low	0.148	46	111	1.49%	46	22	1.02%	46	93	1.23%	46	226	1.32%
Cardiovascular, very high	1.401	32	54	0.72%	34	14	0.65%	38	35	0.46%	33	103	0.60%
Cardiovascular, medium	0.570	2	772	10.35%	2	238	11.02%	2	730	9.67%	2	1,740	10.13%
Cardiovascular, medium - child	0.188	51	33	0.44%	51	8	0.37%	51	27	0.36%	51	68	0.40%
Cardiovascular, low	0.192	19	772	10.35%	21	205	9.50%	20	759	10.05%	20	1,736	10.11%
Cardiovascular, extra low	0.106	8	2,338	31.34%	8	589	27.28%	7	2,340	30.99%	7	5,267	30.68%
Cerebrovascular, low	0.153	43	197	2.64%	42	47	2.18%	43	164	2.17%	43	408	2.38%
CNS, medium to high	0.589	17	305	4.09%	16	82	3.80%	14	305	4.04%	16	692	4.03%
CNS, high - child	1.358	42	25	0.34%	43	4	0.19%	41	26	0.34%	42	55	0.32%
CNS, low	0.218	4	1,557	20.87%	5	389	18.02%	4	1,477	19.56%	4	3,423	19.94%
DD, low to medium	0.153	35	415	5.56%	36	95	4.40%	33	408	5.40%	35	918	5.35%
Diabetes, type 1 high	1.267	41	27	0.36%	44	4	0.19%	45	13	0.17%	44	44	0.26%
Diabetes, type 1 medium	0.683	34	103	1.38%	38	20	0.93%	32	100	1.32%	32	223	1.30%
Diabetes, type 2 medium	0.416	11	509	6.82%	12	130	6.02%	15	427	5.65%	13	1,066	6.21%
Diabetes, type 2 low	0.177	24	739	9.91%	24	168	7.78%	23	713	9.44%	24	1,620	9.44%
Eye, low	0.142	47	65	0.87%	50	11	0.51%	48	59	0.78%	48	135	0.79%
Eye, very low	0.107	33	697	9.34%	40	112	5.19%	37	470	6.22%	36	1,279	7.45%
Genital, extra low	0.070	45	312	4.18%	45	71	3.29%	44	285	3.77%	45	668	3.89%
Gastro, medium to high	0.523	6	564	7.56%	6	159	7.36%	5	561	7.43%	5	1,284	7.48%
Gastro, high - child	1.264	31	60	0.80%	31	17	0.79%	31	63	0.83%	31	140	0.82%
Gastro, low	0.127	14	1,562	20.94%	17	376	17.42%	16	1,379	18.26%	15	3,317	19.32%
Hematological, very high to extra high	1.633	25	73	0.98%	29	15	0.69%	27	64	0.85%	25	152	0.89%
Hematological, medium	0.705	30	127	1.70%	26	41	1.90%	30	118	1.56%	30	286	1.67%
Hematological, low	0.491	38	117	1.57%	33	40	1.85%	35	110	1.46%	37	267	1.56%
AIDS, high	1.699	5	178	2.39%	7	48	2.22%	6	162	2.15%	6	388	2.26%
HIV, medium	1.210	44	19	0.25%	30	18	0.83%	39	32	0.42%	41	69	0.40%
Infectious, low to medium	0.435	22	302	4.05%	18	108	5.00%	19	342	4.53%	21	752	4.38%
Metabolic, high	1.035	23	127	1.70%	23	36	1.67%	24	121	1.60%	23	284	1.65%
Metabolic, high - child	0.158	50	43	0.58%	49	11	0.51%	50	43	0.57%	50	97	0.56%
Metabolic, medium	0.396	26	289	3.87%	25	73	3.38%	26	264	3.50%	26	626	3.65%
Metabolic, very low	0.138	28	783	10.50%	27	202	9.36%	29	685	9.07%	28	1,670	9.73%
Pregnancy, incomplete	0.395	48	21	0.28%	48	6	0.28%	49	21	0.28%	49	48	0.28%
Psychiatric, high	0.677	3	604	8.10%	4	161	7.46%	3	568	7.52%	3	1,333	7.76%
Psychiatric, medium low to medium	0.264	1	2,325	31.17%	1	591	27.37%	1	2,286	30.27%	1	5,202	30.30%
Psychiatric, low	0.167	16	1,109	14.87%	15	293	13.57%	13	1,180	15.63%	14	2,582	15.04%
Pulmonary, very high	1.167	10	195	2.61%	10	52	2.41%	9	186	2.46%	10	433	2.52%
Pulmonary, very high - child	1.465	39	29	0.39%	39	9	0.42%	42	19	0.25%	40	57	0.33%
Pulmonary, high	0.593	49	12	0.16%	47	5	0.23%	47	18	0.24%	47	35	0.20%
Pulmonary, medium	0.475	18	367	4.92%	11	122	5.65%	17	363	4.81%	17	852	4.96%
Pulmonary, low	0.178	7	1,406	18.85%	9	343	15.89%	8	1,297	17.17%	9	3,046	17.74%
Renal, extra high	3.856	12	54	0.72%	22	10	0.46%	21	37	0.49%	18	101	0.59%
Renal, very high	0.489	27	229	3.07%	28	55	2.55%	28	211	2.79%	27	495	2.88%
Renal, low to medium	0.132	37	446	5.98%	37	107	4.96%	36	401	5.31%	38	954	5.56%
Skeletal, medium	0.308	13	660	8.85%	13	162	7.50%	11	649	8.59%	11	1,471	8.57%
Skeletal, very low to low	0.149	15	1,296	17.37%	14	331	15.33%	10	1,425	18.87%	12	3,052	17.78%
Skin, low - high	0.254	40	150	2.01%	41	47	2.18%	40	145	1.92%	39	342	1.99%
Skin, very low	0.090	36	697	9.34%	35	185	8.57%	34	687	9.10%	34	1,569	9.14%
Substance abuse, very low to low	0.153	20	948	12.71%	20	286	13.25%	18	999	13.23%	19	2,233	13.01%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,178	15.79%	N/A	427	19.78%	N/A	1,234	16.34%	N/A	2,839	16.53%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	0	0.00%	N/A	4	5.33%	N/A	0	0.00%	N/A	4	1.63%
Age 5 to 14 Female	0.660	N/A	4	5.80%	N/A	2	2.67%	N/A	2	1.96%	N/A	8	3.25%
Age 5 to 14 Male	0.572	N/A	5	7.25%	N/A	5	6.67%	N/A	10	9.80%	N/A	20	8.13%
Age 15 to 24 Female	0.746	N/A	5	7.25%	N/A	2	2.67%	N/A	5	4.90%	N/A	12	4.88%
Age 15 to 24 Male	0.523	N/A	5	7.25%	N/A	5	6.67%	N/A	12	11.76%	N/A	22	8.94%
Age 25 to 44 Female	1.154	N/A	12	17.39%	N/A	11	14.67%	N/A	9	8.82%	N/A	32	13.01%
Age 25 to 44 Male	0.821	N/A	8	11.59%	N/A	6	8.00%	N/A	13	12.75%	N/A	27	10.98%
Age 45 to 64 Female	1.314	N/A	20	28.99%	N/A	21	28.00%	N/A	20	19.61%	N/A	61	24.80%
Age 45 to 64 Male	1.185	N/A	10	14.49%	N/A	19	25.33%	N/A	31	30.39%	N/A	60	24.39%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	7,459	2,159	7,552	17,170
Unadjusted Plan Factor	1.141	1.085	1.078	1.106
Budget Neutral Plan Factor	1.031	0.981	0.975	1.000
Unscored Members				
Member Months	69	75	102	246
Unadjusted Plan Factor	1.020	1.073	0.991	1.024
Budget Neutral Plan Factor	0.996	1.047	0.968	1.000
Total Members				
Member Months	7,528	2,234	7,654	17,416
Unadjusted Plan Factor	1.139	1.086	1.077	1.105
Budget Neutral Plan Factor	1.031	0.983	0.975	1.000

Exhibit 3D
Mississippi Division of Medicaid
Risk Adjustment Results
MA Adult - North Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

		Scored Members											
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	3,716	100.00%	N/A	2,305	100.00%	N/A	3,424	100.00%	N/A	9,445	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	248	6.67%	N/A	275	11.93%	N/A	314	9.17%	N/A	837	8.86%
Age 15 to 24 Male	0.000	N/A	8	0.22%	N/A	7	0.30%	N/A	6	0.18%	N/A	21	0.22%
Age 25 to 44 Female	0.236	N/A	2,780	74.81%	N/A	1,668	72.36%	N/A	2,484	72.55%	N/A	6,932	73.39%
Age 25 to 44 Male	0.058	N/A	230	6.19%	N/A	160	6.94%	N/A	213	6.22%	N/A	603	6.38%
Age 45 and Older Female	0.245	N/A	373	10.04%	N/A	155	6.72%	N/A	336	9.81%	N/A	864	9.15%
Age 45 and Older Male	0.365	N/A	77	2.07%	N/A	40	1.74%	N/A	71	2.07%	N/A	188	1.99%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	283	7.62%	N/A	238	10.33%	N/A	267	7.80%	N/A	788	8.34%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	61	1.64%	N/A	67	2.91%	N/A	89	2.60%	N/A	217	2.30%
Diagnosis Period Duration, 12 Months	0.000	N/A	3,372	90.74%	N/A	2,000	86.77%	N/A	3,068	89.60%	N/A	8,440	89.36%
Disease Categories													
Cancer, high to very high	3.752	14	21	0.57%	14	11	0.48%	8	25	0.73%	10	57	0.60%
Cancer, medium	0.997	25	34	0.91%	21	24	1.04%	23	34	0.99%	23	92	0.97%
Cancer, low	0.364	37	17	0.46%	37	8	0.35%	37	13	0.38%	38	38	0.40%
Cardiovascular, very high	1.914	40	1	0.03%	38	1	0.04%	38	2	0.06%	39	4	0.04%
Cardiovascular, medium	0.601	11	145	3.90%	11	80	3.47%	11	130	3.80%	11	355	3.76%
Cardiovascular, low	0.315	18	183	4.92%	19	94	4.08%	17	158	4.61%	18	435	4.61%
Cardiovascular, extra low	0.122	2	1,097	29.52%	4	560	24.30%	4	893	26.08%	4	2,550	27.00%
CNS, medium to high	0.836	28	30	0.81%	30	15	0.65%	25	39	1.14%	27	84	0.89%
CNS, low	0.419	9	239	6.43%	6	141	6.12%	6	244	7.13%	7	624	6.61%
Diabetes, type 1 high	2.432	36	3	0.08%	36	2	0.09%	39	1	0.03%	37	6	0.06%
Diabetes, type 1 medium	1.612	16	37	1.00%	18	19	0.82%	20	26	0.76%	19	82	0.87%
Diabetes, type 2 medium	1.043	15	69	1.86%	17	30	1.30%	15	61	1.78%	15	160	1.69%
Diabetes, type 2 low	0.375	7	293	7.88%	8	142	6.16%	9	233	6.80%	8	668	7.07%
DD, low to medium	0.613	39	5	0.13%	40	2	0.09%	40	0	0.00%	40	7	0.07%
Eye, very low to low	0.324	23	108	2.91%	32	37	1.61%	30	69	2.02%	29	214	2.27%
Genital, extra low	0.118	27	249	6.70%	27	166	7.20%	27	230	6.72%	26	645	6.83%
Gastro, medium to high	0.933	8	109	2.93%	7	58	2.52%	10	86	2.51%	9	253	2.68%
Gastro, low	0.224	3	579	15.58%	9	234	10.15%	5	459	13.41%	5	1,272	13.47%
Hematological, low to extra high	0.318	33	50	1.35%	31	38	1.65%	31	61	1.78%	33	149	1.58%
AIDS, high	1.445	13	59	1.59%	15	28	1.21%	14	49	1.43%	14	136	1.44%
HIV, medium	1.320	38	3	0.08%	39	1	0.04%	35	10	0.29%	36	14	0.15%
Infectious, low to medium	0.578	17	100	2.69%	16	62	2.69%	19	76	2.22%	17	238	2.52%
Metabolic, high	0.857	32	23	0.62%	26	25	1.08%	26	33	0.96%	28	81	0.86%
Metabolic, medium	0.393	34	39	1.05%	35	13	0.56%	34	40	1.17%	34	92	0.97%
Metabolic, very low	0.138	29	170	4.57%	29	92	3.99%	33	135	3.94%	31	397	4.20%
Pregnancy, complete	0.160	19	326	8.77%	13	296	12.84%	16	334	9.75%	16	956	10.12%
Pregnancy, incomplete	0.997	5	121	3.26%	1	104	4.51%	3	130	3.80%	2	355	3.76%
Psychiatric, high	0.972	26	33	0.89%	23	23	1.00%	28	26	0.76%	25	82	0.87%
Psychiatric, medium	0.513	24	67	1.80%	24	43	1.87%	22	73	2.13%	22	183	1.94%
Psychiatric, medium low	0.321	4	393	10.58%	3	233	10.11%	2	427	12.47%	3	1,053	11.15%
Psychiatric, low	0.212	6	526	14.16%	5	313	13.58%	7	468	13.67%	6	1,307	13.84%
Pulmonart, medium to high	0.600	20	86	2.31%	22	38	1.65%	18	76	2.22%	20	200	2.12%
Pulmonary, low	0.227	10	394	10.60%	12	209	9.07%	12	329	9.61%	13	932	9.87%
Renal, medium to extra high	0.855	31	26	0.70%	28	16	0.69%	29	27	0.79%	30	69	0.73%
Renal, low	0.304	30	76	2.05%	33	32	1.39%	32	62	1.81%	32	170	1.80%
Skeletal, medium	0.586	12	147	3.96%	10	89	3.86%	13	126	3.68%	12	362	3.83%
Skeletal, very low to low	0.362	1	531	14.29%	2	263	11.41%	1	506	14.78%	1	1,300	13.76%
Skin, low to high	0.941	35	12	0.32%	34	7	0.30%	36	13	0.38%	35	32	0.34%
Skin, very low	0.132	22	269	7.24%	25	163	7.07%	24	251	7.33%	24	683	7.23%
Substance abuse, low	0.289	21	153	4.12%	20	95	4.12%	21	134	3.91%	21	382	4.04%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,106	29.76%	N/A	734	31.84%	N/A	995	29.06%	N/A	2,835	30.02%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	15	6.02%	N/A	18	8.22%	N/A	19	7.82%	N/A	52	7.31%
Age 15 to 24 Male	0.514	N/A	2	0.80%	N/A	2	0.91%	N/A	2	0.82%	N/A	6	0.84%
Age 25 to 44 Female	0.989	N/A	164	65.86%	N/A	152	69.41%	N/A	155	63.79%	N/A	471	66.24%
Age 25 to 44 Male	0.770	N/A	36	14.46%	N/A	15	6.85%	N/A	33	13.58%	N/A	84	11.81%
Age 45 and Older Female	1.353	N/A	23	9.24%	N/A	22	10.05%	N/A	28	11.52%	N/A	73	10.27%
Age 45 and Older Male	1.362	N/A	9	3.61%	N/A	10	4.57%	N/A	6	2.47%	N/A	25	3.52%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		3,716	2,305	3,424
Unadjusted Plan Factor		1.013	0.961	1.012
Budget Neutral Plan Factor		1.013	0.961	1.012
Unscored Members				
Member Months		249	219	243
Unadjusted Plan Factor		0.997	1.018	1.001
Budget Neutral Plan Factor		0.992	1.013	0.997
Total Members				
Member Months		3,965	2,524	3,667
Unadjusted Plan Factor		1.012	0.966	1.012
Budget Neutral Plan Factor		1.011	0.966	1.011

Exhibit 3E
Mississippi Division of Medicaid
Risk Adjustment Results
MA Adult - Central Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	4,113	100.00%	N/A	2,801	100.00%	N/A	4,057	100.00%	N/A	10,971	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	254	6.18%	N/A	294	10.50%	N/A	323	7.96%	N/A	871	7.94%
Age 15 to 24 Male	0.000	N/A	6	0.15%	N/A	9	0.32%	N/A	14	0.35%	N/A	29	0.26%
Age 25 to 44 Female	0.236	N/A	3,113	75.69%	N/A	2,138	76.33%	N/A	2,971	73.23%	N/A	8,222	74.94%
Age 25 to 44 Male	0.058	N/A	203	4.94%	N/A	147	5.25%	N/A	224	5.52%	N/A	574	5.23%
Age 45 and Older Female	0.245	N/A	450	10.94%	N/A	154	5.50%	N/A	440	10.85%	N/A	1,044	9.52%
Age 45 and Older Male	0.365	N/A	87	2.12%	N/A	59	2.11%	N/A	85	2.10%	N/A	231	2.11%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	257	6.25%	N/A	234	8.35%	N/A	335	8.26%	N/A	826	7.53%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	68	1.65%	N/A	64	2.28%	N/A	117	2.88%	N/A	249	2.27%
Diagnosis Period Duration, 12 Months	0.000	N/A	3,788	92.10%	N/A	2,503	89.36%	N/A	3,605	88.86%	N/A	9,896	90.20%
Disease Categories													
Cancer, high to very high	3.752	18	15	0.36%	21	7	0.25%	27	8	0.20%	23	30	0.27%
Cancer, medium	0.997	25	39	0.95%	26	20	0.71%	24	35	0.86%	25	94	0.86%
Cancer, low	0.364	39	15	0.36%	38	5	0.18%	39	17	0.42%	39	37	0.34%
Cardiovascular, very high	1.914	37	4	0.10%	40	0	0.00%	37	6	0.15%	38	10	0.09%
Cardiovascular, medium	0.601	12	157	3.82%	8	104	3.71%	12	140	3.45%	12	401	3.66%
Cardiovascular, low	0.315	21	163	3.96%	18	89	3.18%	19	152	3.75%	19	404	3.68%
Cardiovascular, extra low	0.122	3	1,261	30.66%	5	707	25.24%	4	1,146	28.25%	4	3,114	28.38%
CNS, medium to high	0.836	29	36	0.88%	32	16	0.57%	30	31	0.76%	30	83	0.76%
CNS, low	0.419	7	302	7.34%	10	139	4.96%	8	268	6.61%	7	709	6.46%
Diabetes, type 1 high	2.432	38	3	0.07%	34	4	0.14%	38	3	0.07%	37	10	0.09%
Diabetes, type 1 medium	1.612	16	40	0.97%	25	14	0.50%	18	34	0.84%	18	88	0.80%
Diabetes, type 2 medium	1.043	13	87	2.12%	15	44	1.57%	13	79	1.95%	13	210	1.91%
Diabetes, type 2 low	0.375	9	306	7.44%	12	147	5.25%	7	301	7.42%	9	754	6.87%
DD, low to medium	0.613	40	3	0.07%	39	1	0.04%	40	1	0.02%	40	5	0.05%
Eye, very low to low	0.324	26	120	2.92%	27	54	1.93%	31	80	1.97%	27	254	2.32%
Genital, extra low	0.118	28	279	6.78%	22	214	7.64%	26	276	6.80%	26	769	7.01%
Gastro, medium to high	0.933	8	123	2.99%	7	73	2.61%	10	108	2.66%	8	304	2.77%
Gastro, low	0.224	6	624	15.17%	6	331	11.82%	6	571	14.07%	6	1,526	13.91%
Hematological, low to extra high	0.318	31	78	1.90%	29	49	1.75%	29	83	2.05%	31	210	1.91%
AIDS, high	1.445	14	58	1.41%	13	37	1.32%	15	50	1.23%	14	145	1.32%
HIV, medium	1.320	36	10	0.24%	37	5	0.18%	36	10	0.25%	36	25	0.23%
Infectious, low to medium	0.578	23	74	1.80%	20	46	1.64%	20	81	2.00%	22	201	1.83%
Metabolic, high	0.857	34	22	0.53%	31	17	0.61%	32	23	0.57%	32	62	0.57%
Metabolic, medium	0.393	32	55	1.34%	36	19	0.68%	35	40	0.99%	34	114	1.04%
Metabolic, very low	0.138	33	155	3.77%	33	83	2.96%	33	130	3.20%	33	368	3.35%
Pregnancy, complete	0.160	17	354	8.61%	9	391	13.96%	16	387	9.54%	16	1,132	10.32%
Pregnancy, incomplete	0.997	4	145	3.53%	1	128	4.57%	5	138	3.40%	2	411	3.75%
Psychiatric, high	0.972	19	55	1.34%	19	28	1.00%	22	42	1.04%	20	125	1.14%
Psychiatric, medium	0.513	22	93	2.26%	23	48	1.71%	21	91	2.24%	21	232	2.11%
Psychiatric, medium low	0.321	2	511	12.42%	3	284	10.14%	2	448	11.04%	3	1,243	11.33%
Psychiatric, low	0.212	5	662	16.10%	4	427	15.24%	3	672	16.56%	5	1,761	16.05%
Pulmonart, medium to high	0.600	20	88	2.14%	17	65	2.32%	17	93	2.29%	17	246	2.24%
Pulmonary, low	0.227	11	438	10.65%	11	252	9.00%	11	434	10.70%	11	1,124	10.25%
Renal, medium to extra high	0.855	27	43	1.05%	28	20	0.71%	28	33	0.81%	28	96	0.88%
Renal, low	0.304	30	93	2.26%	30	50	1.79%	25	110	2.71%	29	253	2.31%
Skeletal, medium	0.586	10	179	4.35%	14	89	3.18%	9	180	4.44%	10	448	4.08%
Skeletal, very low to low	0.362	1	576	14.00%	2	311	11.10%	1	522	12.87%	1	1,409	12.84%
Skin, low to high	0.941	35	20	0.49%	35	9	0.32%	34	17	0.42%	35	46	0.42%
Skin, very low	0.132	24	310	7.54%	24	185	6.60%	23	288	7.10%	24	783	7.14%
Substance abuse, low	0.289	15	255	6.20%	16	140	5.00%	14	264	6.51%	15	659	6.01%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,132	27.52%	N/A	874	31.20%	N/A	1,220	30.07%	N/A	3,226	29.40%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	21	6.38%	N/A	15	5.73%	N/A	25	7.67%	N/A	61	6.65%
Age 15 to 24 Male	0.514	N/A	2	0.61%	N/A	4	1.53%	N/A	3	0.92%	N/A	9	0.98%
Age 25 to 44 Female	0.989	N/A	234	71.12%	N/A	175	66.79%	N/A	210	64.42%	N/A	619	67.50%
Age 25 to 44 Male	0.770	N/A	40	12.16%	N/A	26	9.92%	N/A	38	11.66%	N/A	104	11.34%
Age 45 and Older Female	1.353	N/A	23	6.99%	N/A	33	12.60%	N/A	34	10.43%	N/A	90	9.81%
Age 45 and Older Male	1.362	N/A	9	2.74%	N/A	9	3.44%	N/A	16	4.91%	N/A	34	3.71%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		4,113	2,801	4,057
Unadjusted Plan Factor		1.035	0.943	0.998
Budget Neutral Plan Factor		1.038	0.945	1.000
Unscored Members				
Member Months		329	262	326
Unadjusted Plan Factor		0.991	1.015	1.010
Budget Neutral Plan Factor		0.986	1.010	1.006
Total Members				
Member Months		4,442	3,063	4,383
Unadjusted Plan Factor		1.032	0.949	0.999
Budget Neutral Plan Factor		1.034	0.951	1.000

Exhibit 3F
Mississippi Division of Medicaid
Risk Adjustment Results
MA Adult - South Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	4,944	100.00%	N/A	4,111	100.00%	N/A	6,007	100.00%	N/A	15,062	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	313	6.33%	N/A	410	9.97%	N/A	451	7.51%	N/A	1,174	7.79%
Age 15 to 24 Male	0.000	N/A	10	0.20%	N/A	20	0.49%	N/A	16	0.27%	N/A	46	0.31%
Age 25 to 44 Female	0.236	N/A	3,530	71.40%	N/A	2,932	71.32%	N/A	4,242	70.62%	N/A	10,704	71.07%
Age 25 to 44 Male	0.058	N/A	443	8.96%	N/A	344	8.37%	N/A	508	8.46%	N/A	1,295	8.60%
Age 45 and Older Female	0.245	N/A	523	10.58%	N/A	304	7.39%	N/A	590	9.82%	N/A	1,417	9.41%
Age 45 and Older Male	0.365	N/A	125	2.53%	N/A	101	2.46%	N/A	200	3.33%	N/A	426	2.83%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	347	7.02%	N/A	336	8.17%	N/A	416	6.93%	N/A	1,099	7.30%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	112	2.27%	N/A	139	3.38%	N/A	180	3.00%	N/A	431	2.86%
Diagnosis Period Duration, 12 Months	0.000	N/A	4,485	90.72%	N/A	3,636	88.45%	N/A	5,411	90.08%	N/A	13,532	89.84%
Disease Categories													
Cancer, high to very high	3.752	23	14	0.28%	24	9	0.22%	22	23	0.38%	22	46	0.31%
Cancer, medium	0.997	32	36	0.73%	23	40	0.97%	24	58	0.97%	25	134	0.89%
Cancer, low	0.364	37	26	0.53%	39	19	0.46%	38	37	0.62%	38	82	0.54%
Cardiovascular, very high	1.914	39	3	0.06%	36	7	0.17%	39	4	0.07%	39	14	0.09%
Cardiovascular, medium	0.601	12	197	3.98%	12	132	3.21%	13	214	3.56%	13	543	3.61%
Cardiovascular, low	0.315	17	246	4.98%	16	189	4.60%	16	297	4.94%	16	732	4.86%
Cardiovascular, extra low	0.122	7	1,237	25.02%	7	902	21.94%	6	1,571	26.15%	8	3,710	24.63%
CNS, medium to high	0.836	27	49	0.99%	29	30	0.73%	25	66	1.10%	28	145	0.96%
CNS, low	0.419	4	426	8.62%	6	302	7.35%	5	524	8.72%	5	1,252	8.31%
Diabetes, type 1 high	2.432	36	6	0.12%	32	8	0.19%	37	6	0.10%	36	20	0.13%
Diabetes, type 1 medium	1.612	20	43	0.87%	19	30	0.73%	17	56	0.93%	20	129	0.86%
Diabetes, type 2 medium	1.043	14	100	2.02%	21	42	1.02%	14	119	1.98%	14	261	1.73%
Diabetes, type 2 low	0.375	13	307	6.21%	14	194	4.72%	12	376	6.26%	12	877	5.82%
DD, low to medium	0.613	40	6	0.12%	40	5	0.12%	40	4	0.07%	40	15	0.10%
Eye, very low to low	0.324	26	133	2.69%	31	63	1.53%	29	135	2.25%	29	331	2.20%
Genital, extra low	0.118	28	331	6.69%	25	282	6.86%	27	439	7.31%	27	1,052	6.98%
Gastro, medium to high	0.933	5	185	3.74%	5	159	3.87%	3	270	4.49%	4	614	4.08%
Gastro, low	0.224	6	765	15.47%	8	435	10.58%	7	820	13.65%	7	2,020	13.41%
Hematological, low to extra high	0.318	30	115	2.33%	28	81	1.97%	32	111	1.85%	31	307	2.04%
AIDS, high	1.445	15	57	1.15%	15	44	1.07%	18	62	1.03%	15	163	1.08%
HIV, medium	1.320	38	6	0.12%	38	9	0.22%	36	17	0.28%	37	32	0.21%
Infectious, low to medium	0.578	16	140	2.83%	18	99	2.41%	20	154	2.56%	18	393	2.61%
Metabolic, high	0.857	29	43	0.87%	35	18	0.44%	30	51	0.85%	32	112	0.74%
Metabolic, medium	0.393	35	56	1.13%	33	45	1.09%	34	71	1.18%	35	172	1.14%
Metabolic, very low	0.138	34	182	3.68%	34	125	3.04%	33	212	3.53%	33	519	3.45%
Pregnancy, complete	0.160	21	381	7.71%	13	477	11.60%	19	560	9.32%	19	1,418	9.41%
Pregnancy, incomplete	0.997	8	149	3.01%	1	175	4.26%	9	163	2.71%	6	487	3.23%
Psychiatric, high	0.972	22	58	1.17%	26	31	0.75%	26	55	0.92%	24	144	0.96%
Psychiatric, medium	0.513	18	143	2.89%	17	112	2.72%	15	190	3.16%	17	445	2.95%
Psychiatric, medium low	0.321	2	660	13.35%	3	491	11.94%	2	888	14.78%	2	2,039	13.54%
Psychiatric, low	0.212	3	925	18.71%	4	743	18.07%	4	1,186	19.74%	3	2,854	18.95%
Pulmonart, medium to high	0.600	19	121	2.45%	20	75	1.82%	21	144	2.40%	21	340	2.26%
Pulmonary, low	0.227	10	526	10.64%	10	408	9.92%	11	622	10.35%	11	1,556	10.33%
Renal, medium to extra high	0.855	25	55	1.11%	27	35	0.85%	28	56	0.93%	26	146	0.97%
Renal, low	0.304	31	120	2.43%	30	81	1.97%	31	138	2.30%	30	339	2.25%
Skeletal, medium	0.586	9	243	4.92%	9	164	3.99%	10	277	4.61%	9	684	4.54%
Skeletal, very low to low	0.362	1	738	14.93%	2	470	11.43%	1	973	16.20%	1	2,181	14.48%
Skin, low to high	0.941	33	32	0.65%	37	13	0.32%	35	27	0.45%	34	72	0.48%
Skin, very low	0.132	24	386	7.81%	22	307	7.47%	23	500	8.32%	23	1,193	7.92%
Substance abuse, low	0.289	11	412	8.33%	11	307	7.47%	8	582	9.69%	10	1,301	8.64%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,435	29.03%	N/A	1,307	31.79%	N/A	1,573	26.19%	N/A	4,315	28.65%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	30	10.75%	N/A	24	9.52%	N/A	25	6.67%	N/A	79	8.72%
Age 15 to 24 Male	0.514	N/A	4	1.43%	N/A	3	1.19%	N/A	2	0.53%	N/A	9	0.99%
Age 25 to 44 Female	0.989	N/A	172	61.65%	N/A	155	61.51%	N/A	222	59.20%	N/A	549	60.60%
Age 25 to 44 Male	0.770	N/A	35	12.54%	N/A	40	15.87%	N/A	66	17.60%	N/A	141	15.56%
Age 45 and Older Female	1.353	N/A	23	8.24%	N/A	20	7.94%	N/A	35	9.33%	N/A	78	8.61%
Age 45 and Older Male	1.362	N/A	15	5.38%	N/A	10	3.97%	N/A	25	6.67%	N/A	50	5.52%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		4,944	4,111	6,007
Unadjusted Plan Factor		1.055	0.982	1.072
Budget Neutral Plan Factor		1.013	0.943	1.029
Unscored Members				
Member Months		279	252	375
Unadjusted Plan Factor		0.998	0.986	1.002
Budget Neutral Plan Factor		1.001	0.990	1.006
Total Members				
Member Months		5,223	4,363	6,382
Unadjusted Plan Factor		1.051	0.982	1.068
Budget Neutral Plan Factor		1.012	0.945	1.028

Exhibit 3G
Mississippi Division of Medicaid
Risk Adjustment Results
MA Children - North Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	25,821	100.00%	N/A	10,870	100.00%	N/A	22,977	100.00%	N/A	59,668	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	3,618	14.01%	N/A	2,140	19.69%	N/A	3,413	14.85%	N/A	9,171	15.37%
Age 1 to 5 Female	0.068	N/A	3,628	14.05%	N/A	2,105	19.37%	N/A	3,420	14.88%	N/A	9,153	15.34%
Age 6 to 12 Male	0.047	N/A	4,788	18.54%	N/A	1,898	17.46%	N/A	4,102	17.85%	N/A	10,788	18.08%
Age 6 to 12 Female	0.049	N/A	5,019	19.44%	N/A	2,004	18.44%	N/A	4,199	18.27%	N/A	11,222	18.81%
Age 13 to 18 Male	0.000	N/A	4,322	16.74%	N/A	1,336	12.29%	N/A	3,907	17.00%	N/A	9,565	16.03%
Age 13 to 18 Female	0.297	N/A	4,446	17.22%	N/A	1,387	12.76%	N/A	3,936	17.13%	N/A	9,769	16.37%
Disease Categories													
Cancer, very high	27.677	41	0	0.00%	22	1	0.01%	32	1	0.00%	32	2	0.00%
Cancer, high	4.235	27	11	0.04%	33	1	0.01%	22	16	0.07%	27	28	0.05%
Cancer, medium	3.414	19	24	0.09%	26	5	0.05%	20	22	0.10%	20	51	0.09%
Cancer, low	0.629	38	5	0.02%	37	0	0.00%	40	4	0.02%	41	9	0.02%
Cardiovascular, very high	5.998	36	1	0.00%	37	0	0.00%	34	4	0.02%	35	5	0.01%
Cardiovascular, medium	0.760	21	93	0.36%	19	48	0.44%	24	74	0.32%	21	215	0.36%
Cardiovascular, extra low to low	0.593	3	1,292	5.00%	3	432	3.97%	3	1,220	5.31%	3	2,944	4.93%
Cerebrovascular, low	0.316	39	6	0.02%	35	6	0.06%	38	10	0.04%	40	22	0.04%
CNS, high	10.392	29	4	0.02%	37	0	0.00%	18	8	0.03%	26	12	0.02%
CNS, medium	1.647	32	12	0.05%	30	6	0.06%	27	29	0.13%	30	47	0.08%
CNS, low	0.575	9	367	1.42%	10	152	1.40%	10	350	1.52%	9	869	1.46%
DD, low to medium	2.162	22	29	0.11%	25	8	0.07%	21	34	0.15%	22	71	0.12%
Diabetes, type 2 low	2.030	5	181	0.70%	8	55	0.51%	7	148	0.64%	7	384	0.64%
Eye, very low to low	0.349	25	146	0.57%	28	39	0.36%	30	107	0.47%	29	292	0.49%
Genital, extra low	0.361	26	136	0.53%	21	78	0.72%	26	134	0.58%	25	348	0.58%
Gastro, high	5.482	23	11	0.04%	17	8	0.07%	17	20	0.09%	17	39	0.07%
Gastro, medium	1.521	18	55	0.21%	20	19	0.17%	23	43	0.19%	19	117	0.20%
Gastro, low	0.386	4	1,020	3.95%	4	441	4.06%	5	928	4.04%	4	2,389	4.00%
Hematological, low to extra high	0.598	17	150	0.58%	18	69	0.63%	19	130	0.57%	18	349	0.58%
AIDS, high	1.527	20	47	0.18%	27	10	0.09%	28	26	0.11%	23	83	0.14%
HIV, medium	1.204	37	4	0.02%	36	1	0.01%	36	6	0.03%	37	11	0.02%
Infectious, low to medium	0.197	28	234	0.91%	23	125	1.15%	29	197	0.86%	28	556	0.93%
Metabolic, medium to high	1.382	13	126	0.49%	15	39	0.36%	14	120	0.52%	15	285	0.48%
Metabolic, very low	0.506	10	362	1.40%	9	207	1.90%	11	380	1.65%	10	949	1.59%
Pregnancy, incomplete	2.708	11	67	0.26%	16	19	0.17%	16	54	0.24%	16	140	0.23%
Psychiatric, high	2.650	34	4	0.02%	32	3	0.03%	33	10	0.04%	34	17	0.03%
Psychiatric, medium	1.509	8	191	0.74%	5	96	0.88%	4	244	1.06%	5	531	0.89%
Psychiatric, medium low	1.218	1	2,972	11.51%	1	883	8.12%	1	2,690	11.71%	1	6,545	10.97%
Psychiatric, low	0.619	6	539	2.09%	7	197	1.81%	6	551	2.40%	6	1,287	2.16%
Pulmonary, high	7.062	16	20	0.08%	11	12	0.11%	9	34	0.15%	11	66	0.11%
Pulmonary, low to medium	0.502	2	2,666	10.32%	2	922	8.48%	2	2,274	9.90%	2	5,862	9.82%
Renal, extra high	13.306	33	1	0.00%	37	0	0.00%	41	0	0.00%	36	1	0.00%
Renal, very high	1.565	31	15	0.06%	29	7	0.06%	31	19	0.08%	31	41	0.07%
Renal, medium	0.837	40	1	0.00%	34	3	0.03%	37	6	0.03%	39	10	0.02%
Renal, low	0.295	24	189	0.73%	24	73	0.67%	25	165	0.72%	24	427	0.72%
Skeletal, medium	0.567	15	294	1.14%	12	122	1.12%	12	311	1.35%	12	727	1.22%
Skeletal, low	0.437	14	395	1.53%	13	152	1.40%	13	395	1.72%	13	942	1.58%
Skeletal, very low	0.278	7	1,181	4.57%	6	445	4.09%	8	1,070	4.66%	8	2,696	4.52%
Skin, high	1.516	35	4	0.02%	37	0	0.00%	39	2	0.01%	38	6	0.01%
Skin, very low to low	0.188	12	962	3.73%	14	335	3.08%	15	854	3.72%	14	2,151	3.60%
Substance abuse, very low to low	0.381	30	64	0.25%	31	25	0.23%	35	46	0.20%	33	135	0.23%
Population Statistics													
No Classified Disease Categories	N/A	N/A	16,472	63.79%	N/A	7,335	67.48%	N/A	14,443	62.86%	N/A	38,250	64.10%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	65	14.01%	N/A	69	14.94%	N/A	93	17.16%	N/A	227	15.46%
Age 1 to 5 Female	0.833	N/A	67	14.44%	N/A	77	16.67%	N/A	76	14.02%	N/A	220	14.99%
Age 6 to 12 Male	1.046	N/A	84	18.10%	N/A	101	21.86%	N/A	93	17.16%	N/A	278	18.94%
Age 6 to 12 Female	0.896	N/A	78	16.81%	N/A	95	20.56%	N/A	135	24.91%	N/A	308	20.98%
Age 13 to 18 Male	1.007	N/A	86	18.53%	N/A	53	11.47%	N/A	57	10.52%	N/A	196	13.35%
Age 13 to 18 Female	1.292	N/A	84	18.10%	N/A	67	14.50%	N/A	88	16.24%	N/A	239	16.28%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		25,821	10,870	22,977
Unadjusted Plan Factor		1.016	0.948	1.041
Budget Neutral Plan Factor		1.002	0.936	1.028
Unscored Members				
Member Months		464	462	542
Unadjusted Plan Factor		1.014	0.997	0.999
Budget Neutral Plan Factor		1.011	0.994	0.996
Total Members				
Member Months		26,285	11,332	23,519
Unadjusted Plan Factor		1.015	0.950	1.040
Budget Neutral Plan Factor		1.002	0.938	1.027

Exhibit 3H
Mississippi Division of Medicaid
Risk Adjustment Results
MA Children - Central Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	30,692	100.00%	N/A	13,666	100.00%	N/A	27,042	100.00%	N/A	71,400	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	4,467	14.55%	N/A	2,685	19.65%	N/A	4,085	15.11%	N/A	11,237	15.74%
Age 1 to 5 Female	0.068	N/A	4,178	13.61%	N/A	2,658	19.45%	N/A	4,040	14.94%	N/A	10,876	15.23%
Age 6 to 12 Male	0.047	N/A	5,554	18.10%	N/A	2,366	17.31%	N/A	4,877	18.03%	N/A	12,797	17.92%
Age 6 to 12 Female	0.049	N/A	5,767	18.79%	N/A	2,433	17.80%	N/A	4,934	18.25%	N/A	13,134	18.39%
Age 13 to 18 Male	0.000	N/A	5,182	16.88%	N/A	1,779	13.02%	N/A	4,496	16.63%	N/A	11,457	16.05%
Age 13 to 18 Female	0.297	N/A	5,544	18.06%	N/A	1,745	12.77%	N/A	4,610	17.05%	N/A	11,899	16.67%
Disease Categories													
Cancer, very high	27.677	40	0	0.00%	37	0	0.00%	24	2	0.01%	33	2	0.00%
Cancer, high	4.235	30	9	0.03%	32	2	0.01%	34	5	0.02%	31	16	0.02%
Cancer, medium	3.414	15	40	0.13%	18	13	0.10%	20	27	0.10%	18	80	0.11%
Cancer, low	0.629	39	3	0.01%	37	0	0.00%	40	2	0.01%	41	5	0.01%
Cardiovascular, very high	5.998	40	0	0.00%	37	0	0.00%	32	4	0.01%	35	4	0.01%
Cardiovascular, medium	0.760	26	71	0.23%	27	23	0.17%	25	69	0.26%	25	163	0.23%
Cardiovascular, extra low to low	0.593	3	1,474	4.80%	3	442	3.23%	3	1,317	4.87%	3	3,233	4.53%
Cerebrovascular, low	0.316	38	7	0.02%	36	5	0.04%	39	6	0.02%	40	18	0.03%
CNS, high	10.392	28	4	0.01%	20	4	0.03%	30	3	0.01%	28	11	0.02%
CNS, medium	1.647	29	25	0.08%	26	12	0.09%	22	36	0.13%	26	73	0.10%
CNS, low	0.575	8	462	1.51%	7	219	1.60%	9	429	1.59%	8	1,110	1.55%
DD, low to medium	2.162	19	46	0.15%	25	10	0.07%	19	43	0.16%	20	99	0.14%
Diabetes, type 2 low	2.030	6	205	0.67%	6	67	0.49%	5	209	0.77%	6	481	0.67%
Eye, very low to low	0.349	24	166	0.54%	28	50	0.37%	28	120	0.44%	27	336	0.47%
Genital, extra low	0.361	23	170	0.55%	22	84	0.61%	27	132	0.49%	23	386	0.54%
Gastro, high	5.482	22	13	0.04%	19	8	0.06%	21	13	0.05%	21	34	0.05%
Gastro, medium	1.521	20	54	0.18%	21	24	0.18%	18	68	0.25%	19	146	0.20%
Gastro, low	0.386	4	1,251	4.08%	4	616	4.51%	4	1,156	4.27%	4	3,023	4.23%
Hematological, low to extra high	0.598	17	212	0.69%	17	80	0.59%	16	192	0.71%	16	484	0.68%
AIDS, high	1.527	27	29	0.09%	29	9	0.07%	31	17	0.06%	29	55	0.08%
HIV, medium	1.204	34	7	0.02%	33	7	0.05%	35	14	0.05%	34	28	0.04%
Infectious, low to medium	0.197	25	289	0.94%	23	152	1.11%	26	251	0.93%	24	692	0.97%
Metabolic, medium to high	1.382	13	137	0.45%	15	53	0.39%	13	133	0.49%	13	323	0.45%
Metabolic, very low	0.506	11	449	1.46%	8	244	1.79%	12	369	1.36%	11	1,062	1.49%
Pregnancy, incomplete	2.708	18	45	0.15%	16	18	0.13%	17	39	0.14%	17	102	0.14%
Psychiatric, high	2.650	31	10	0.03%	31	5	0.04%	29	15	0.06%	30	30	0.04%
Psychiatric, medium	1.509	7	226	0.74%	9	78	0.57%	7	200	0.74%	7	504	0.71%
Psychiatric, medium low	1.218	1	3,712	12.09%	1	1,088	7.96%	1	3,195	11.81%	1	7,995	11.20%
Psychiatric, low	0.619	5	718	2.34%	5	238	1.74%	6	640	2.37%	5	1,596	2.24%
Pulmonary, high	7.062	16	18	0.06%	14	11	0.08%	11	30	0.11%	15	59	0.08%
Pulmonary, low to medium	0.502	2	3,386	11.03%	2	1,233	9.02%	2	2,938	10.86%	2	7,557	10.58%
Renal, extra high	13.306	33	1	0.00%	37	0	0.00%	41	0	0.00%	38	1	0.00%
Renal, very high	1.565	36	4	0.01%	34	3	0.02%	36	8	0.03%	36	15	0.02%
Renal, medium	0.837	37	6	0.02%	35	4	0.03%	37	7	0.03%	37	17	0.02%
Renal, low	0.295	21	261	0.85%	24	85	0.62%	23	199	0.74%	22	545	0.76%
Skeletal, medium	0.567	10	440	1.43%	13	141	1.03%	10	395	1.46%	10	976	1.37%
Skeletal, low	0.437	12	493	1.61%	12	184	1.35%	14	419	1.55%	12	1,096	1.54%
Skeletal, very low	0.278	9	948	3.09%	10	390	2.85%	8	891	3.29%	9	2,229	3.12%
Skin, high	1.516	35	5	0.02%	37	0	0.00%	38	3	0.01%	39	8	0.01%
Skin, very low to low	0.188	14	945	3.08%	11	429	3.14%	15	917	3.39%	14	2,291	3.21%
Substance abuse, very low to low	0.381	32	64	0.21%	30	36	0.26%	33	60	0.22%	32	160	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	19,539	63.66%	N/A	9,406	68.83%	N/A	17,220	63.68%	N/A	46,165	64.66%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
		Demographic Categories											
Age 1 to 5 Male	0.953	N/A	75	15.99%	N/A	73	17.51%	N/A	81	14.97%	N/A	229	16.05%
Age 1 to 5 Female	0.833	N/A	84	17.91%	N/A	56	13.43%	N/A	92	17.01%	N/A	232	16.26%
Age 6 to 12 Male	1.046	N/A	84	17.91%	N/A	95	22.78%	N/A	100	18.48%	N/A	279	19.55%
Age 6 to 12 Female	0.896	N/A	81	17.27%	N/A	73	17.51%	N/A	100	18.48%	N/A	254	17.80%
Age 13 to 18 Male	1.007	N/A	78	16.63%	N/A	63	15.11%	N/A	90	16.64%	N/A	231	16.19%
Age 13 to 18 Female	1.292	N/A	67	14.29%	N/A	57	13.67%	N/A	78	14.42%	N/A	202	14.16%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		30,692	13,666	27,042
Unadjusted Plan Factor		1.021	0.933	1.027
Budget Neutral Plan Factor		1.014	0.927	1.021
Unscored Members				
Member Months		469	417	541
Unadjusted Plan Factor		0.996	1.002	0.997
Budget Neutral Plan Factor		0.997	1.004	0.999
Total Members				
Member Months		31,161	14,083	27,583
Unadjusted Plan Factor		1.020	0.935	1.026
Budget Neutral Plan Factor		1.014	0.929	1.020

Exhibit 31
Mississippi Division of Medicaid
Risk Adjustment Results
MA Children - South Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	30,231	100.00%	N/A	17,166	100.00%	N/A	32,717	100.00%	N/A	80,114	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	4,587	15.17%	N/A	3,536	20.60%	N/A	4,943	15.11%	N/A	13,066	16.31%
Age 1 to 5 Female	0.068	N/A	4,414	14.60%	N/A	3,376	19.67%	N/A	4,807	14.69%	N/A	12,597	15.72%
Age 6 to 12 Male	0.047	N/A	5,662	18.73%	N/A	3,001	17.48%	N/A	6,100	18.64%	N/A	14,763	18.43%
Age 6 to 12 Female	0.049	N/A	5,759	19.05%	N/A	3,012	17.55%	N/A	6,051	18.49%	N/A	14,822	18.50%
Age 13 to 18 Male	0.000	N/A	4,796	15.86%	N/A	2,126	12.38%	N/A	5,356	16.37%	N/A	12,278	15.33%
Age 13 to 18 Female	0.297	N/A	5,013	16.58%	N/A	2,115	12.32%	N/A	5,460	16.69%	N/A	12,588	15.71%
Disease Categories													
Cancer, very high	27.677	41	0	0.00%	41	0	0.00%	32	1	0.00%	33	1	0.00%
Cancer, high	4.235	26	14	0.05%	19	12	0.07%	19	27	0.08%	21	53	0.07%
Cancer, medium	3.414	21	26	0.09%	25	10	0.06%	16	41	0.13%	19	77	0.10%
Cancer, low	0.629	38	8	0.03%	37	4	0.02%	40	4	0.01%	40	16	0.02%
Cardiovascular, very high	5.998	37	1	0.00%	33	2	0.01%	37	1	0.00%	35	4	0.00%
Cardiovascular, medium	0.760	22	102	0.34%	24	45	0.26%	24	99	0.30%	24	246	0.31%
Cardiovascular, extra low to low	0.593	3	1,582	5.23%	3	645	3.76%	3	1,846	5.64%	3	4,073	5.08%
Cerebrovascular, low	0.316	40	5	0.02%	40	5	0.03%	39	11	0.03%	41	21	0.03%
CNS, high	10.392	34	1	0.00%	29	2	0.01%	29	5	0.02%	30	8	0.01%
CNS, medium	1.647	28	24	0.08%	28	18	0.10%	27	35	0.11%	28	77	0.10%
CNS, low	0.575	9	410	1.36%	11	233	1.36%	10	477	1.46%	10	1,120	1.40%
DD, low to medium	2.162	20	43	0.14%	27	14	0.08%	21	44	0.13%	22	101	0.13%
Diabetes, type 2 low	2.030	7	185	0.61%	8	74	0.43%	7	209	0.64%	7	468	0.58%
Eye, very low to low	0.349	24	188	0.62%	26	88	0.51%	28	153	0.47%	27	429	0.54%
Genital, extra low	0.361	27	152	0.50%	22	105	0.61%	23	218	0.67%	26	475	0.59%
Gastro, high	5.482	16	28	0.09%	16	17	0.10%	26	12	0.04%	17	57	0.07%
Gastro, medium	1.521	19	70	0.23%	23	23	0.13%	20	70	0.21%	20	163	0.20%
Gastro, low	0.386	4	1,409	4.66%	4	907	5.28%	5	1,599	4.89%	4	3,915	4.89%
Hematological, low to extra high	0.598	17	211	0.70%	17	130	0.76%	18	204	0.62%	16	545	0.68%
AIDS, high	1.527	29	24	0.08%	32	8	0.05%	31	26	0.08%	29	58	0.07%
HIV, medium	1.204	35	8	0.03%	38	2	0.01%	35	6	0.02%	38	16	0.02%
Infectious, low to medium	0.197	25	304	1.01%	18	271	1.58%	25	369	1.13%	25	944	1.18%
Metabolic, medium to high	1.382	11	163	0.54%	10	101	0.59%	9	207	0.63%	9	471	0.59%
Metabolic, very low	0.506	13	432	1.43%	9	281	1.64%	13	492	1.50%	12	1,205	1.50%
Pregnancy, incomplete	2.708	18	41	0.14%	21	14	0.08%	17	51	0.16%	18	106	0.13%
Psychiatric, high	2.650	31	7	0.02%	31	5	0.03%	30	19	0.06%	31	31	0.04%
Psychiatric, medium	1.509	5	311	1.03%	5	149	0.87%	4	415	1.27%	5	875	1.09%
Psychiatric, medium low	1.218	1	3,910	12.93%	1	1,560	9.09%	1	4,492	13.73%	1	9,962	12.43%
Psychiatric, low	0.619	6	658	2.18%	6	344	2.00%	6	829	2.53%	6	1,831	2.29%
Pulmonary, high	7.062	15	23	0.08%	13	16	0.09%	15	20	0.06%	15	59	0.07%
Pulmonary, low to medium	0.502	2	2,986	9.88%	2	1,407	8.20%	2	3,122	9.54%	2	7,515	9.38%
Renal, extra high	13.306	32	1	0.00%	30	1	0.01%	41	0	0.00%	34	2	0.00%
Renal, very high	1.565	33	7	0.02%	35	5	0.03%	38	3	0.01%	36	15	0.02%
Renal, medium	0.837	36	8	0.03%	39	2	0.01%	34	16	0.05%	37	26	0.03%
Renal, low	0.295	23	251	0.83%	20	131	0.76%	22	310	0.95%	23	692	0.86%
Skeletal, medium	0.567	12	394	1.30%	14	192	1.12%	11	456	1.39%	13	1,042	1.30%
Skeletal, low	0.437	14	500	1.65%	15	247	1.44%	14	553	1.69%	14	1,300	1.62%
Skeletal, very low	0.278	8	1,126	3.72%	7	596	3.47%	8	1,250	3.82%	8	2,972	3.71%
Skin, high	1.516	39	3	0.01%	36	5	0.03%	36	4	0.01%	39	12	0.01%
Skin, very low to low	0.188	10	1,248	4.13%	12	700	4.08%	12	1,370	4.19%	11	3,318	4.14%
Substance abuse, very low to low	0.381	30	73	0.24%	34	26	0.15%	33	68	0.21%	32	167	0.21%
Population Statistics													
No Classified Disease Categories	N/A	N/A	18,891	62.49%	N/A	11,454	66.72%	N/A	20,118	61.49%	N/A	50,463	62.99%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	82	17.26%	N/A	87	18.79%	N/A	93	15.47%	N/A	262	17.02%
Age 1 to 5 Female	0.833	N/A	81	17.05%	N/A	89	19.22%	N/A	90	14.98%	N/A	260	16.89%
Age 6 to 12 Male	1.046	N/A	92	19.37%	N/A	88	19.01%	N/A	117	19.47%	N/A	297	19.30%
Age 6 to 12 Female	0.896	N/A	81	17.05%	N/A	94	20.30%	N/A	135	22.46%	N/A	310	20.14%
Age 13 to 18 Male	1.007	N/A	69	14.53%	N/A	48	10.37%	N/A	77	12.81%	N/A	194	12.61%
Age 13 to 18 Female	1.292	N/A	70	14.74%	N/A	57	12.31%	N/A	89	14.81%	N/A	216	14.04%

Risk Adjustment Results				
Scored Members		Magnolia	Molina	United
Member Months		30,231	17,166	32,717
Unadjusted Plan Factor		1.037	0.963	1.059
Budget Neutral Plan Factor		1.006	0.935	1.028
Unscored Members				
Member Months		475	463	601
Unadjusted Plan Factor		0.999	0.983	0.997
Budget Neutral Plan Factor		1.005	0.990	1.004
Total Members				
Member Months		30,706	17,629	33,318
Unadjusted Plan Factor		1.036	0.964	1.058
Budget Neutral Plan Factor		1.006	0.936	1.028

Exhibit 3J

Mississippi Division of Medicaid

Risk Adjustment Results

Quasi-CHIP - North Region - Q3Q4 2022 Prospective Risk Scores

CY 2021 Diagnosis Period - April 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	2,921	100.00%	N/A	1,245	100.00%	N/A	3,133	100.00%	N/A	7,299	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	752	25.74%	N/A	345	27.71%	N/A	794	25.34%	N/A	1,891	25.91%
Age 6 to 12 Female	0.049	N/A	793	27.15%	N/A	340	27.31%	N/A	793	25.31%	N/A	1,926	26.39%
Age 13 to 18 Male	0.000	N/A	649	22.22%	N/A	269	21.61%	N/A	761	24.29%	N/A	1,679	23.00%
Age 13 to 18 Female	0.297	N/A	727	24.89%	N/A	291	23.37%	N/A	785	25.06%	N/A	1,803	24.70%
Disease Categories													
Cancer, very high	27.677	37	0	0.00%	32	0	0.00%	36	0	0.00%	38	0	0.00%
Cancer, high	4.235	29	1	0.03%	20	1	0.08%	29	1	0.03%	28	3	0.04%
Cancer, medium	3.414	15	5	0.17%	16	2	0.16%	27	2	0.06%	16	9	0.12%
Cancer, low	0.629	37	0	0.00%	32	0	0.00%	36	0	0.00%	38	0	0.00%
Cardiovascular, very high	5.998	37	0	0.00%	32	0	0.00%	36	0	0.00%	38	0	0.00%
Cardiovascular, medium	0.760	20	12	0.41%	26	3	0.24%	21	12	0.38%	23	27	0.37%
Cardiovascular, extra low to low	0.593	3	150	5.14%	3	53	4.26%	3	160	5.11%	3	363	4.97%
Cerebrovascular, low	0.316	37	0	0.00%	32	0	0.00%	35	3	0.10%	37	3	0.04%
CNS, high	10.392	19	1	0.03%	32	0	0.00%	19	1	0.03%	22	2	0.03%
CNS, medium	1.647	24	4	0.14%	21	2	0.16%	16	8	0.26%	20	14	0.19%
CNS, low	0.575	9	47	1.61%	10	18	1.45%	13	30	0.96%	12	95	1.30%
DD, low to medium	2.162	17	6	0.21%	17	3	0.24%	22	4	0.13%	18	13	0.18%
Diabetes, type 2 low	2.030	4	28	0.96%	4	12	0.96%	5	29	0.93%	4	69	0.95%
Eye, very low to low	0.349	26	17	0.58%	29	4	0.32%	26	20	0.64%	27	41	0.56%
Genital, extra low	0.361	28	14	0.48%	27	5	0.40%	28	12	0.38%	29	31	0.42%
Gastro, high	5.482	27	1	0.03%	19	1	0.08%	18	2	0.06%	21	4	0.05%
Gastro, medium	1.521	16	10	0.34%	13	5	0.40%	14	10	0.32%	14	25	0.34%
Gastro, low	0.386	8	81	2.77%	7	36	2.89%	8	94	3.00%	8	211	2.89%
Hematological, low to extra high	0.598	25	10	0.34%	25	4	0.32%	20	17	0.54%	25	31	0.42%
AIDS, high	1.527	23	5	0.17%	22	2	0.16%	24	5	0.16%	26	12	0.16%
HIV, medium	1.204	35	1	0.03%	32	0	0.00%	36	0	0.00%	36	1	0.01%
Infectious, low to medium	0.197	36	5	0.17%	31	2	0.16%	33	8	0.26%	35	15	0.21%
Metabolic, medium to high	1.382	10	17	0.58%	12	6	0.48%	9	24	0.77%	9	47	0.64%
Metabolic, very low	0.506	18	21	0.72%	18	11	0.88%	17	26	0.83%	17	58	0.79%
Pregnancy, incomplete	2.708	22	3	0.10%	24	1	0.08%	15	5	0.16%	19	9	0.12%
Psychiatric, high	2.650	32	1	0.03%	32	0	0.00%	31	1	0.03%	32	2	0.03%
Psychiatric, medium	1.509	6	27	0.92%	8	9	0.72%	7	28	0.89%	7	64	0.88%
Psychiatric, medium low	1.218	1	394	13.49%	1	158	12.69%	1	440	14.04%	1	992	13.59%
Psychiatric, low	0.619	7	57	1.95%	5	31	2.49%	4	109	3.48%	5	197	2.70%
Pulmonary, high	7.062	14	3	0.10%	14	1	0.08%	25	1	0.03%	15	5	0.07%
Pulmonary, low to medium	0.502	2	276	9.45%	2	91	7.31%	2	302	9.64%	2	669	9.17%
Renal, extra high	13.306	37	0	0.00%	32	0	0.00%	36	0	0.00%	38	0	0.00%
Renal, very high	1.565	34	1	0.03%	28	1	0.08%	30	2	0.06%	30	4	0.05%
Renal, medium	0.837	33	2	0.07%	32	0	0.00%	32	2	0.06%	33	4	0.05%
Renal, low	0.295	21	28	0.96%	23	10	0.80%	23	27	0.86%	24	65	0.89%
Skeletal, medium	0.567	11	40	1.37%	11	18	1.45%	10	54	1.72%	11	112	1.53%
Skeletal, low	0.437	12	50	1.71%	9	28	2.25%	11	69	2.20%	10	147	2.01%
Skeletal, very low	0.278	5	152	5.20%	6	53	4.26%	6	163	5.20%	6	368	5.04%
Skin, high	1.516	31	2	0.07%	32	0	0.00%	36	0	0.00%	34	2	0.03%
Skin, very low to low	0.188	13	114	3.90%	15	37	2.97%	12	132	4.21%	13	283	3.88%
Substance abuse, very low to low	0.381	30	10	0.34%	30	2	0.16%	34	3	0.10%	31	15	0.21%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,853	63.44%	N/A	812	65.22%	N/A	1,894	60.45%	N/A	4,559	62.46%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.833	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	1.046	N/A	17	35.42%	N/A	11	21.57%	N/A	16	23.19%	N/A	44	26.19%
Age 6 to 12 Female	0.896	N/A	14	29.17%	N/A	14	27.45%	N/A	28	40.58%	N/A	56	33.33%
Age 13 to 18 Male	1.007	N/A	6	12.50%	N/A	8	15.69%	N/A	11	15.94%	N/A	25	14.88%
Age 13 to 18 Female	1.292	N/A	11	22.92%	N/A	18	35.29%	N/A	14	20.29%	N/A	43	25.60%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		2,921	1,245	3,133
Unadjusted Plan Factor		1.049	1.012	1.063
Budget Neutral Plan Factor		1.001	0.965	1.013
Unscored Members				
Member Months		48	51	69
Unadjusted Plan Factor		1.054	1.086	1.029
Budget Neutral Plan Factor		1.001	1.031	0.977
Total Members				
Member Months		2,969	1,296	3,202
Unadjusted Plan Factor		1.049	1.015	1.062
Budget Neutral Plan Factor		1.001	0.968	1.012

Exhibit 3K
Mississippi Division of Medicaid
Risk Adjustment Results
Quasi-CHIP - Central Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

		Scored Members											
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.539	N/A	3,356	100.00%	N/A	1,361	100.00%	N/A	3,348	100.00%	N/A	8,065	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	804	23.96%	N/A	352	25.86%	N/A	828	24.73%	N/A	1,984	24.60%
Age 6 to 12 Female	0.049	N/A	843	25.12%	N/A	356	26.16%	N/A	812	24.25%	N/A	2,011	24.93%
Age 13 to 18 Male	0.000	N/A	864	25.74%	N/A	304	22.34%	N/A	847	25.30%	N/A	2,015	24.98%
Age 13 to 18 Female	0.297	N/A	845	25.18%	N/A	349	25.64%	N/A	861	25.72%	N/A	2,055	25.48%
Disease Categories													
Cancer, very high	27.677	35	0	0.00%	31	0	0.00%	38	0	0.00%	40	0	0.00%
Cancer, high	4.235	35	0	0.00%	21	1	0.07%	31	1	0.03%	29	2	0.02%
Cancer, medium	3.414	19	3	0.09%	14	2	0.15%	15	6	0.18%	16	11	0.14%
Cancer, low	0.629	34	1	0.03%	31	0	0.00%	38	0	0.00%	39	1	0.01%
Cardiovascular, very high	5.998	35	0	0.00%	31	0	0.00%	26	1	0.03%	32	1	0.01%
Cardiovascular, medium	0.760	29	3	0.09%	18	6	0.44%	36	1	0.03%	31	10	0.12%
Cardiovascular, extra low to low	0.593	3	168	5.01%	4	43	3.16%	3	179	5.35%	3	390	4.84%
Cerebrovascular, low	0.316	33	2	0.06%	29	2	0.15%	37	1	0.03%	36	5	0.06%
CNS, high	10.392	35	0	0.00%	31	0	0.00%	19	1	0.03%	28	1	0.01%
CNS, medium	1.647	21	5	0.15%	31	0	0.00%	29	3	0.09%	26	8	0.10%
CNS, low	0.575	11	44	1.31%	13	13	0.96%	13	41	1.22%	11	98	1.22%
DD, low to medium	2.162	15	7	0.21%	20	2	0.15%	17	8	0.24%	17	17	0.21%
Diabetes, type 2 low	2.030	5	24	0.72%	3	14	1.03%	4	29	0.87%	5	67	0.83%
Eye, very low to low	0.349	24	18	0.54%	25	6	0.44%	21	25	0.75%	22	49	0.61%
Genital, extra low	0.361	23	18	0.54%	28	2	0.15%	24	18	0.54%	25	38	0.47%
Gastro, high	5.482	14	3	0.09%	31	0	0.00%	27	1	0.03%	20	4	0.05%
Gastro, medium	1.521	20	6	0.18%	16	4	0.29%	30	3	0.09%	21	13	0.16%
Gastro, low	0.386	6	94	2.80%	6	43	3.16%	10	82	2.45%	8	219	2.72%
Hematological, low to extra high	0.598	17	23	0.69%	22	6	0.44%	20	17	0.51%	19	46	0.57%
AIDS, high	1.527	26	2	0.06%	17	3	0.22%	23	5	0.15%	24	10	0.12%
HIV, medium	1.204	35	0	0.00%	26	1	0.07%	38	0	0.00%	38	1	0.01%
Infectious, low to medium	0.197	31	5	0.15%	30	3	0.22%	34	7	0.21%	34	15	0.19%
Metabolic, medium to high	1.382	12	17	0.51%	10	9	0.66%	12	20	0.60%	10	46	0.57%
Metabolic, very low	0.506	18	23	0.69%	19	9	0.66%	18	24	0.72%	18	56	0.69%
Pregnancy, incomplete	2.708	22	3	0.09%	9	5	0.37%	9	12	0.36%	13	20	0.25%
Psychiatric, high	2.650	28	1	0.03%	31	0	0.00%	28	2	0.06%	30	3	0.04%
Psychiatric, medium	1.509	7	23	0.69%	11	7	0.51%	6	27	0.81%	6	57	0.71%
Psychiatric, medium low	1.218	1	447	13.32%	1	165	12.12%	1	459	13.71%	1	1,071	13.28%
Psychiatric, low	0.619	4	90	2.68%	5	37	2.72%	5	94	2.81%	4	221	2.74%
Pulmonary, high	7.062	16	2	0.06%	31	0	0.00%	11	4	0.12%	15	6	0.07%
Pulmonary, low to medium	0.502	2	364	10.85%	2	112	8.23%	2	330	9.86%	2	806	9.99%
Renal, extra high	13.306	35	0	0.00%	31	0	0.00%	38	0	0.00%	40	0	0.00%
Renal, very high	1.565	30	1	0.03%	23	2	0.15%	25	4	0.12%	27	7	0.09%
Renal, medium	0.837	32	1	0.03%	31	0	0.00%	35	1	0.03%	35	2	0.02%
Renal, low	0.295	25	21	0.63%	24	9	0.66%	22	28	0.84%	23	58	0.72%
Skeletal, medium	0.567	9	53	1.58%	8	26	1.91%	7	71	2.12%	7	150	1.86%
Skeletal, low	0.437	10	60	1.79%	15	15	1.10%	14	51	1.52%	12	126	1.56%
Skeletal, very low	0.278	8	117	3.49%	7	58	4.26%	8	125	3.73%	9	300	3.72%
Skin, high	1.516	35	0	0.00%	31	0	0.00%	33	1	0.03%	37	1	0.01%
Skin, very low to low	0.188	13	112	3.34%	12	40	2.94%	16	102	3.05%	14	254	3.15%
Substance abuse, very low to low	0.381	27	7	0.21%	27	3	0.22%	32	4	0.12%	33	14	0.17%
Population Statistics													
No Classified Disease Categories	N/A	N/A	2,136	63.65%	N/A	899	66.05%	N/A	2,138	63.86%	N/A	5,173	64.14%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.833	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	1.046	N/A	14	26.92%	N/A	11	33.33%	N/A	23	35.38%	N/A	48	32.00%
Age 6 to 12 Female	0.896	N/A	11	21.15%	N/A	9	27.27%	N/A	14	21.54%	N/A	34	22.67%
Age 13 to 18 Male	1.007	N/A	12	23.08%	N/A	6	18.18%	N/A	9	13.85%	N/A	27	18.00%
Age 13 to 18 Female	1.292	N/A	15	28.85%	N/A	7	21.21%	N/A	19	29.23%	N/A	41	27.33%

Risk Adjustment Results				
Scored Members		Magnolia	Molina	United
Member Months		3,356	1,361	3,348
Unadjusted Plan Factor		1.026	1.001	1.056
Budget Neutral Plan Factor		0.992	0.968	1.021
Unscored Members				
Member Months		52	33	65
Unadjusted Plan Factor		1.076	1.050	1.080
Budget Neutral Plan Factor		1.004	0.979	1.007
Total Members				
Member Months		3,408	1,394	3,413
Unadjusted Plan Factor		1.027	1.002	1.056
Budget Neutral Plan Factor		0.992	0.968	1.021

Exhibit 3L
Mississippi Division of Medicaid
Risk Adjustment Results
Quasi-CHIP - South Region - Q3Q4 2022 Prospective Risk Scores
CY 2021 Diagnosis Period - April 2022 Snapshot Period

		Scored Members											
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	2,885	100.00%	N/A	1,422	100.00%	N/A	3,510	100.00%	N/A	7,817	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	732	25.37%	N/A	400	28.13%	N/A	830	23.65%	N/A	1,962	25.10%
Age 6 to 12 Female	0.049	N/A	687	23.81%	N/A	389	27.36%	N/A	864	24.62%	N/A	1,940	24.82%
Age 13 to 18 Male	0.000	N/A	709	24.58%	N/A	311	21.87%	N/A	931	26.52%	N/A	1,951	24.96%
Age 13 to 18 Female	0.297	N/A	757	26.24%	N/A	322	22.64%	N/A	885	25.21%	N/A	1,964	25.12%
Disease Categories													
Cancer, very high	27.677	32	0	0.00%	30	0	0.00%	12	1	0.03%	18	1	0.01%
Cancer, high	4.235	23	1	0.03%	30	0	0.00%	18	5	0.14%	21	6	0.08%
Cancer, medium	3.414	32	0	0.00%	20	1	0.07%	17	7	0.20%	20	8	0.10%
Cancer, low	0.629	31	1	0.03%	30	0	0.00%	35	2	0.06%	35	3	0.04%
Cardiovascular, very high	5.998	32	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Cardiovascular, medium	0.760	25	5	0.17%	27	2	0.14%	30	7	0.20%	29	14	0.18%
Cardiovascular, extra low to low	0.593	3	171	5.93%	3	63	4.43%	3	268	7.64%	3	502	6.42%
Cerebrovascular, low	0.316	30	2	0.07%	29	1	0.07%	36	1	0.03%	38	4	0.05%
CNS, high	10.392	32	0	0.00%	11	1	0.07%	37	0	0.00%	30	1	0.01%
CNS, medium	1.647	22	3	0.10%	21	2	0.14%	22	8	0.23%	23	13	0.17%
CNS, low	0.575	13	35	1.21%	14	14	0.98%	11	57	1.62%	11	106	1.36%
DD, low to medium	2.162	16	5	0.17%	12	4	0.28%	15	12	0.34%	14	21	0.27%
Diabetes, type 2 low	2.030	6	26	0.90%	6	8	0.56%	6	33	0.94%	6	67	0.86%
Eye, very low to low	0.349	24	12	0.42%	30	0	0.00%	28	19	0.54%	28	31	0.40%
Genital, extra low	0.361	20	17	0.59%	19	11	0.77%	26	21	0.60%	26	49	0.63%
Gastro, high	5.482	32	0	0.00%	30	0	0.00%	13	5	0.14%	19	5	0.06%
Gastro, medium	1.521	14	11	0.38%	18	3	0.21%	23	7	0.20%	15	21	0.27%
Gastro, low	0.386	7	92	3.19%	8	37	2.60%	7	138	3.93%	7	267	3.42%
Hematological, low to extra high	0.598	18	17	0.59%	22	5	0.35%	27	12	0.34%	25	34	0.43%
AIDS, high	1.527	27	1	0.03%	25	1	0.07%	32	2	0.06%	32	4	0.05%
HIV, medium	1.204	32	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Infectious, low to medium	0.197	26	8	0.28%	28	3	0.21%	33	9	0.26%	34	20	0.26%
Metabolic, medium to high	1.382	12	15	0.52%	13	6	0.42%	16	18	0.51%	13	39	0.50%
Metabolic, very low	0.506	17	21	0.73%	24	5	0.35%	19	36	1.03%	16	62	0.79%
Pregnancy, incomplete	2.708	15	5	0.17%	23	1	0.07%	25	3	0.09%	22	9	0.12%
Psychiatric, high	2.650	32	0	0.00%	30	0	0.00%	31	2	0.06%	33	2	0.03%
Psychiatric, medium	1.509	4	44	1.53%	5	14	0.98%	4	62	1.77%	4	120	1.54%
Psychiatric, medium low	1.218	1	469	16.26%	1	244	17.16%	1	668	19.03%	1	1,381	17.67%
Psychiatric, low	0.619	5	94	3.26%	4	44	3.09%	5	132	3.76%	5	270	3.45%
Pulmonary, high	7.062	19	1	0.03%	15	1	0.07%	20	2	0.06%	17	4	0.05%
Pulmonary, low to medium	0.502	2	235	8.15%	2	88	6.19%	2	329	9.37%	2	652	8.34%
Renal, extra high	13.306	32	0	0.00%	30	0	0.00%	21	1	0.03%	27	1	0.01%
Renal, very high	1.565	32	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Renal, medium	0.837	32	0	0.00%	30	0	0.00%	34	2	0.06%	36	2	0.03%
Renal, low	0.295	21	20	0.69%	17	18	1.27%	24	32	0.91%	24	70	0.90%
Skeletal, medium	0.567	9	52	1.80%	7	26	1.83%	9	73	2.08%	9	151	1.93%
Skeletal, low	0.437	10	58	2.01%	10	24	1.69%	10	86	2.45%	10	168	2.15%
Skeletal, very low	0.278	8	117	4.06%	9	47	3.31%	8	158	4.50%	8	322	4.12%
Skin, high	1.516	29	1	0.03%	30	0	0.00%	37	0	0.00%	37	1	0.01%
Skin, very low to low	0.188	11	114	3.95%	16	35	2.46%	14	138	3.93%	12	287	3.67%
Substance abuse, very low to low	0.381	28	4	0.14%	26	4	0.28%	29	14	0.40%	31	22	0.28%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,779	61.66%	N/A	920	64.70%	N/A	2,000	56.98%	N/A	4,699	60.11%

Unscored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.833	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	1.046	N/A	9	30.00%	N/A	16	31.37%	N/A	19	33.93%	N/A	44	32.12%
Age 6 to 12 Female	0.896	N/A	6	20.00%	N/A	11	21.57%	N/A	13	23.21%	N/A	30	21.90%
Age 13 to 18 Male	1.007	N/A	9	30.00%	N/A	11	21.57%	N/A	9	16.07%	N/A	29	21.17%
Age 13 to 18 Female	1.292	N/A	6	20.00%	N/A	13	25.49%	N/A	15	26.79%	N/A	34	24.82%

Risk Adjustment Results				
Scored Members		Magnolia	Molina	United
Member Months		2,885	1,422	3,510
Unadjusted Plan Factor		1.077	1.041	1.178
Budget Neutral Plan Factor		0.965	0.932	1.056
Unscored Members				
Member Months		30	51	56
Unadjusted Plan Factor		1.053	1.068	1.071
Budget Neutral Plan Factor		0.988	1.002	1.005
Total Members				
Member Months		2,915	1,473	3,566
Unadjusted Plan Factor		1.077	1.043	1.177
Budget Neutral Plan Factor		0.966	0.935	1.055

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
April 2022 Snapshot Period

North Region

Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	281	20.97%	108	47.58%	139	33.41%	528	26.63%
Money Code 3	Receiving IV-E Assistance	0.743	116	8.66%	46	20.26%	39	9.38%	201	10.14%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	874	65.22%	62	27.31%	201	48.32%	1,137	57.34%
Other	All other Money Codes	0.000	69	5.15%	11	4.85%	37	8.89%	117	5.90%
Unadjusted Plan Factor			0.744		1.035		0.846		0.799	
Member Months			1,340		227		416		1,983	
Budget Neutral Plan Factor			0.931		1.297		1.059		1.000	

Central Region

Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	372	27.02%	129	48.86%	138	36.03%	639	31.57%
Money Code 3	Receiving IV-E Assistance	0.743	193	14.02%	62	23.48%	60	15.67%	315	15.56%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	745	54.10%	63	23.86%	150	39.16%	958	47.33%
Other	All other Money Codes	0.000	67	4.87%	10	3.79%	35	9.14%	112	5.53%
Unadjusted Plan Factor			0.829		1.068		0.909		0.875	
Member Months			1,377		264		383		2,024	
Budget Neutral Plan Factor			0.947		1.221		1.039		1.000	

South Region

Description			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	325	16.78%	145	40.06%	177	30.31%	647	22.44%
Money Code 3	Receiving IV-E Assistance	0.743	252	13.01%	101	27.90%	87	14.90%	440	15.26%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	1,251	64.58%	105	29.01%	266	45.55%	1,622	56.26%
Other	All other Money Codes	0.000	109	5.63%	11	3.04%	54	9.25%	174	6.04%
Unadjusted Plan Factor			0.740		1.028		0.858		0.800	
Member Months			1,937		362		584		2,883	
Budget Neutral Plan Factor			0.925		1.286		1.073		1.000	

Exhibit 4A
Mississippi Division of Medicaid
Custom Risk Adjustment Weights Effective October 2018
Non-Newborn SSI / Disabled

	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.077	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 1 to 4	0.087	1.113
Age 5 to 14 Female	0.089	0.660
Age 5 to 14 Male	0.067	0.572
Age 15 to 24 Female	0.108	0.746
Age 15 to 24 Male	-	0.523
Age 25 to 44 Female	0.206	1.154
Age 25 to 44 Male	0.053	0.821
Age 45 to 64 Female	0.109	1.314
Age 45 to 64 Male	0.111	1.185
Age 65 and Older Male and Female	0.006	1.046
Duration Categories		
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A
Diagnosis Period Duration, 10 to 12 Months	-	N/A
Disease Categories		
Cancer, very high	4.640	N/A
Cancer, high	1.263	N/A
Cancer, medium	0.649	N/A
Cancer, low	0.148	N/A
Cardiovascular, very high	1.401	N/A
Cardiovascular, medium	0.570	N/A
Cardiovascular, medium - child	0.188	N/A
Cardiovascular, low	0.192	N/A
Cardiovascular, extra low	0.106	N/A
Cerebrovascular, low	0.153	N/A
CNS, medium to high	0.589	N/A
CNS, high - child	1.358	N/A
CNS, low	0.218	N/A
DD, low to medium	0.153	N/A
Diabetes, type 1 high	1.267	N/A
Diabetes, type 1 medium	0.683	N/A
Diabetes, type 2 medium	0.416	N/A
Diabetes, type 2 low	0.177	N/A
Eye, low	0.142	N/A
Eye, very low	0.107	N/A
Genital, extra low	0.070	N/A
Gastro, medium to high	0.523	N/A
Gastro, high - child	1.264	N/A
Gastro, low	0.127	N/A
Hematological, very high to extra high	1.633	N/A
Hematological, medium	0.705	N/A
Hematological, low	0.491	N/A
AIDS, high	1.699	N/A
HIV, medium	1.210	N/A
Infectious, low to medium	0.435	N/A
Metabolic, high	1.035	N/A
Metabolic, high - child	0.158	N/A
Metabolic, medium	0.396	N/A
Metabolic, very low	0.138	N/A
Pregnancy, incomplete	0.395	N/A
Psychiatric, high	0.677	N/A
Psychiatric, medium low to medium	0.264	N/A
Psychiatric, low	0.167	N/A
Pulmonary, very high	1.167	N/A
Pulmonary, very high - child	1.465	N/A
Pulmonary, high	0.593	N/A
Pulmonary, medium	0.475	N/A

Exhibit 4A
Mississippi Division of Medicaid
Custom Risk Adjustment Weights Effective October 2018
Non-Newborn SSI / Disabled

	Scored Member Cost Weights	Unscored Member Cost Weights
Pulmonary, low	0.178	N/A
Renal, extra high	3.856	N/A
Renal, very high	0.489	N/A
Renal, low to medium	0.132	N/A
Skeletal, medium	0.308	N/A
Skeletal, very low to low	0.149	N/A
Skin, low - high	0.254	N/A
Skin, very low	0.090	N/A
Substance abuse, very low to low	0.153	N/A

Exhibit 4B
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
Non-Newborn SSI / Disabled

<u>CDPS + Rx Abbreviation</u>	<u>CDPS + Rx Description</u>	<u>MississippiCAN Risk Weight Category</u>	<u>MississippiCAN Risk Weight</u>
CANVH	Cancer, very high	Cancer, very high	4.640
CANH	Cancer, high	Cancer, high	1.263
CANM	Cancer, medium	Cancer, medium	0.649
CANL	Cancer, low	Cancer, low	0.148
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.401
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.570
CCARM	Cardiovascular, medium - child	Cardiovascular, medium - child	0.188
CARL	Cardiovascular, low	Cardiovascular, low	0.192
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.106
CERL	Cerebrovascular, low	Cerebrovascular, low	0.153
CNSH	CNS, high	CNS, medium to high	0.589
CCNSH	CNS, high - child	CNS, high - child	1.358
CNSM	CNS, medium	CNS, medium to high	0.589
CNSL	CNS, low	CNS, low	0.218
DDM	DD, medium	DD, low to medium	0.153
DDL	DD, low	DD, low to medium	0.153
DIA1H	Diabetes, type 1 high	Diabetes, type 1 high	1.267
DIA1M	Diabetes, type 1 medium	Diabetes, type 1 medium	0.683
DIA2M	Diabetes, type 2 medium	Diabetes, type 2 medium	0.416
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	0.177
EYEL	Eye, low	Eye, low	0.142
EYEV	Eye, very low	Eye, very low	0.107
GENEL	Genital, extra low	Genital, extra low	0.070
GIH	Gastro, high	Gastro, medium to high	0.523
CGIH	Gastro, high - child	Gastro, high - child	1.264
GIM	Gastro, medium	Gastro, medium to high	0.523
GIL	Gastro, low	Gastro, low	0.127
HEMEH	Hematological, extra high	Hematological, very high to extra high	1.633
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, very high to extra high	1.633
HEMM	Hematological, medium	Hematological, medium	0.705
HEML	Hematological, low	Hematological, low	0.491
AIDSH	AIDS, high	AIDS, high	1.699
INFH	Infectious, high	AIDS, high	1.699
HIVM	HIV, medium	HIV, medium	1.210
INFM	Infectious, medium	Infectious, low to medium	0.435
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.435
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	1.035
CMETH	Metabolic, high - child	Metabolic, high - child	0.158
METM	Metabolic, medium	Metabolic, medium	0.396
METVL	Metabolic, very low	Metabolic, very low	0.138
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.395
PSYH	Psychiatric, high	Psychiatric, high	0.677
PSYM	Psychiatric, medium	Psychiatric, medium low to medium	0.264
PSYML	Psychiatric, medium low	Psychiatric, medium low to medium	0.264
PSYL	Psychiatric, low	Psychiatric, low	0.167
PULVH	Pulmonary, very high	Pulmonary, very high	1.167
CPULVH	Pulmonary, very high - child	Pulmonary, very high - child	1.465
PULH	Pulmonary, high	Pulmonary, high	0.593
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, medium	0.475
PULL	Pulmonary, low	Pulmonary, low	0.178
RENEH	Renal, extra high	Renal, extra high	3.856
RENVH	Renal, very high	Renal, very high	0.489
RENM	Renal, medium	Renal, low to medium	0.132
RENL	Renal, low	Renal, low to medium	0.132

Exhibit 4B
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
Non-Newborn SSI / Disabled

<u>CDPS + Rx Abbreviation</u>	<u>CDPS + Rx Description</u>	<u>MississippiCAN Risk Weight Category</u>	<u>MississippiCAN Risk Weight</u>
SKCM	Skeletal, medium	Skeletal, medium	0.308
SKCL	Skeletal, low	Skeletal, very low to low	0.149
SKCVL	Skeletal, very low	Skeletal, very low to low	0.149
SKNH	Skin, high	Skin, low - high	0.254
SKNL	Skin, low	Skin, low - high	0.254
SKNVL	Skin, very low	Skin, very low	0.090
SUBL	Substance abuse, low	Substance abuse, very low to low	0.153
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.153
MRX1	Anti-coagulants	Cardiovascular, medium	0.570
MRX2	Cardiac	Cardiovascular, extra low	0.106
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.167
MRX4	Diabetes	Diabetes, type 2 low	0.177
MRX5	ESRD / Renal	Renal, very high	0.489
MRX6	Hemophilia / von Willebrands	Hematological, very high to extra high	1.633
MRX7	Hepatitis	HIV, medium	1.210
MRX8	HIV	HIV, medium	1.210
MRX9	Infections, high	AIDS, high	1.699
MRX10	Inflammatory / Autoimmune	Skeletal, very low to low	0.149
MRX11	Malignancies	Cancer, medium	0.649
MRX12	Multiple Sclerosis / Paralysis	CNS, medium to high	0.589
MRX13	Parkinsons / Tremor	CNS, low	0.218
MRX14	Seizure disorders	CNS, low	0.218
MRX15	Tuberculosis	Pulmonary, low	0.178

Exhibit 4C
Mississippi Division of Medicaid
Custom Risk Adjustment Weights Effective July 2020
MA Adult

	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.142	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 15 to 24 Female	0.330	0.922
Age 15 to 24 Male	-	0.514
Age 25 to 44 Female	0.236	0.989
Age 25 to 44 Male	0.058	0.770
Age 45 and Older Female	0.245	1.353
Age 45 and Older Male	0.365	1.362
Duration Categories		
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A
Diagnosis Period Duration, 12 Months	-	N/A
Disease Categories		
Cancer, high to very high	3.752	N/A
Cancer, medium	0.997	N/A
Cancer, low	0.364	N/A
Cardiovascular, very high	1.914	N/A
Cardiovascular, medium	0.601	N/A
Cardiovascular, low	0.315	N/A
Cardiovascular, extra low	0.122	N/A
CNS, medium to high	0.836	N/A
CNS, low	0.419	N/A
Diabetes, type 1 high	2.432	N/A
Diabetes, type 1 medium	1.612	N/A
Diabetes, type 2 medium	1.043	N/A
Diabetes, type 2 low	0.375	N/A
DD, low to medium	0.613	N/A
Eye, very low to low	0.324	N/A
Genital, extra low	0.118	N/A
Gastro, medium to high	0.933	N/A
Gastro, low	0.224	N/A
Hematological, low to extra high	0.318	N/A
AIDS, high	1.445	N/A
HIV, medium	1.320	N/A
Infectious, low to medium	0.578	N/A
Metabolic, high	0.857	N/A
Metabolic, medium	0.393	N/A
Metabolic, very low	0.138	N/A
Pregnancy, complete	0.160	N/A
Pregnancy, incomplete	0.997	N/A
Psychiatric, high	0.972	N/A
Psychiatric, medium	0.513	N/A
Psychiatric, medium low	0.321	N/A
Psychiatric, low	0.212	N/A
Pulmonary, medium to high	0.600	N/A
Pulmonary, low	0.227	N/A
Renal, medium to extra high	0.855	N/A
Renal, low	0.304	N/A
Skeletal, medium	0.586	N/A
Skeletal, very low to low	0.362	N/A
Skin, low to high	0.941	N/A
Skin, very low	0.132	N/A
Substance abuse, low	0.289	N/A

Exhibit 4D
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
MA Adult

<u>CDPS + Rx Abbreviation</u>	<u>CDPS + Rx Description</u>	<u>MississippiCAN Risk Weight Category</u>	<u>MississippiCAN Risk Weight</u>
CANVH	Cancer, very high	Cancer, high to very high	3.752
CANH	Cancer, high	Cancer, high to very high	3.752
CANM	Cancer, medium	Cancer, medium	0.997
CANL	Cancer, low	Cancer, low	0.364
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.914
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.601
CCARM	Cardiovascular, medium - child	Not Used	Not Used
CARL	Cardiovascular, low	Cardiovascular, low	0.315
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.122
CERL	Cerebrovascular, low	Not Used	Not Used
CNSH	CNS, high	CNS, medium to high	0.836
CCNSH	CNS, high - child	Not Used	Not Used
CNSM	CNS, medium	CNS, medium to high	0.836
CNSL	CNS, low	CNS, low	0.419
DDM	DD, medium	DD, low to medium	0.613
DDL	DD, low	DD, low to medium	0.613
DIA1H	Diabetes, type 1 high	Diabetes, type 1 high	2.432
DIA1M	Diabetes, type 1 medium	Diabetes, type 1 medium	1.612
DIA2M	Diabetes, type 2 medium	Diabetes, type 2 medium	1.043
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	0.375
EYEL	Eye, low	Eye, very low to low	0.324
EYEV	Eye, very low	Eye, very low to low	0.324
GENEL	Genital, extra low	Genital, extra low	0.118
GIH	Gastro, high	Gastro, medium to high	0.933
CGIH	Gastro, high - child	Not Used	Not Used
GIM	Gastro, medium	Gastro, medium to high	0.933
GIL	Gastro, low	Gastro, low	0.224
HEMEH	Hematological, extra high	Hematological, low to extra high	0.318
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, low to extra high	0.318
HEMM	Hematological, medium	Hematological, low to extra high	0.318
HEML	Hematological, low	Hematological, low to extra high	0.318
AIDSH	AIDS, high	AIDS, high	1.445
INFH	Infectious, high	AIDS, high	1.445
HIVM	HIV, medium	HIV, medium	1.320
INFM	Infectious, medium	Infectious, low to medium	0.578
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.578
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.857
CMETH	Metabolic, high - child	Not Used	Not Used
METM	Metabolic, medium	Metabolic, medium	0.393
METVL	Metabolic, very low	Metabolic, very low	0.138
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.160
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.997
PSYH	Psychiatric, high	Psychiatric, high	0.972
PSYM	Psychiatric, medium	Psychiatric, medium	0.513
PSYML	Psychiatric, medium low	Psychiatric, medium low	0.321
PSYL	Psychiatric, low	Psychiatric, low	0.212
PULVH	Pulmonary, very high	Not Used	Not Used
CPULVH	Pulmonary, very high - child	Not Used	Not Used
PULH	Pulmonary, high	Pulmonary, medium to high	0.600
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, medium to high	0.600
PULL	Pulmonary, low	Pulmonary, low	0.227
RENEH	Renal, extra high	Renal, medium to extra high	0.855
RENVH	Renal, very high	Renal, medium to extra high	0.855
RENM	Renal, medium	Renal, medium to extra high	0.855
RENL	Renal, low	Renal, low	0.304

Exhibit 4D
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
MA Adult

<u>CDPS + Rx Abbreviation</u>	<u>CDPS + Rx Description</u>	<u>MississippiCAN Risk Weight Category</u>	<u>MississippiCAN Risk Weight</u>
SKCM	Skeletal, medium	Skeletal, medium	0.586
SKCL	Skeletal, low	Skeletal, very low to low	0.362
SKCVL	Skeletal, very low	Skeletal, very low to low	0.362
SKNH	Skin, high	Skin, low to high	0.941
SKNL	Skin, low	Skin, low to high	0.941
SKNVL	Skin, very low	Skin, very low	0.132
SUBL	Substance abuse, low	Substance abuse, low	0.289
SUBVL	Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.601
MRX2	Cardiac	Cardiovascular, extra low	0.122
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.212
MRX4	Diabetes	Diabetes, type 2 low	0.375
MRX5	ESRD / Renal	Renal, medium to extra high	0.855
MRX6	Hemophilia / von Willebrands	Hematological, low to extra high	0.318
MRX7	Hepatitis	HIV, medium	1.320
MRX8	HIV	HIV, medium	1.320
MRX9	Infections, high	AIDS, high	1.445
MRX10	Inflammatory / Autoimmune	Skeletal, very low to low	0.362
MRX11	Malignancies	Cancer, medium	0.997
MRX12	Multiple Sclerosis / Paralysis	CNS, medium to high	0.836
MRX13	Parkinsons / Tremor	CNS, low	0.419
MRX14	Seizure disorders	CNS, low	0.419
MRX15	Tuberculosis	Pulmonary, low	0.227

Exhibit 4E
Mississippi Division of Medicaid
Custom Risk Adjustment Weights Effective October 2018
MA Children and Quasi-CHIP

	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.539	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 1 to 5 Male	0.133	0.953
Age 1 to 5 Female	0.068	0.833
Age 6 to 12 Male	0.047	1.046
Age 6 to 12 Female	0.049	0.896
Age 13 to 18 Male	-	1.007
Age 13 to 18 Female	0.297	1.292
Disease Categories		
Cancer, very high	27.677	N/A
Cancer, high	4.235	N/A
Cancer, medium	3.414	N/A
Cancer, low	0.629	N/A
Cardiovascular, very high	5.998	N/A
Cardiovascular, medium	0.760	N/A
Cardiovascular, extra low to low	0.593	N/A
Cerebrovascular, low	0.316	N/A
CNS, high	10.392	N/A
CNS, medium	1.647	N/A
CNS, low	0.575	N/A
DD, low to medium	2.162	N/A
Diabetes, type 2 low	2.030	N/A
Eye, very low to low	0.349	N/A
Genital, extra low	0.361	N/A
Gastro, high	5.482	N/A
Gastro, medium	1.521	N/A
Gastro, low	0.386	N/A
Hematological, low to extra high	0.598	N/A
AIDS, high	1.527	N/A
HIV, medium	1.204	N/A
Infectious, low to medium	0.197	N/A
Metabolic, medium to high	1.382	N/A
Metabolic, very low	0.506	N/A
Pregnancy, incomplete	2.708	N/A
Psychiatric, high	2.650	N/A
Psychiatric, medium	1.509	N/A
Psychiatric, medium low	1.218	N/A
Psychiatric, low	0.619	N/A
Pulmonary, high	7.062	N/A
Pulmonary, low to medium	0.502	N/A
Renal, extra high	13.306	N/A
Renal, very high	1.565	N/A
Renal, medium	0.837	N/A
Renal, low	0.295	N/A
Skeletal, medium	0.567	N/A
Skeletal, low	0.437	N/A
Skeletal, very low	0.278	N/A
Skin, high	1.516	N/A
Skin, very low to low	0.188	N/A
Substance abuse, very low to low	0.381	N/A

Exhibit 4F
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
MA Children and Quasi-CHIP

<u>CDPS + Rx Abbreviation</u>	<u>CDPS + Rx Description</u>	<u>MississippiCAN Risk Weight Category</u>	<u>MississippiCAN Risk Weight</u>
CANVH	Cancer, very high	Cancer, very high	27.677
CANH	Cancer, high	Cancer, high	4.235
CANM	Cancer, medium	Cancer, medium	3.414
CANL	Cancer, low	Cancer, low	0.629
CARVH	Cardiovascular, very high	Cardiovascular, very high	5.998
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.760
CCARM	Cardiovascular, medium - child	Not Used	Not Used
CARL	Cardiovascular, low	Cardiovascular, extra low to low	0.593
CAREL	Cardiovascular, extra low	Cardiovascular, extra low to low	0.593
CERL	Cerebrovascular, low	Cerebrovascular, low	0.316
CNSH	CNS, high	CNS, high	10.392
CCNSH	CNS, high - child	Not Used	Not Used
CNSM	CNS, medium	CNS, medium	1.647
CNSL	CNS, low	CNS, low	0.575
DDM	DD, medium	DD, low to medium	2.162
DDL	DD, low	DD, low to medium	2.162
DIA1H	Diabetes, type 1 high	Not Used	Not Used
DIA1M	Diabetes, type 1 medium	Not Used	Not Used
DIA2M	Diabetes, type 2 medium	Not Used	Not Used
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	2.030
EYEL	Eye, low	Eye, very low to low	0.349
EYEVL	Eye, very low	Eye, very low to low	0.349
GENEL	Genital, extra low	Genital, extra low	0.361
GIH	Gastro, high	Gastro, high	5.482
CGIH	Gastro, high - child	Not Used	Not Used
GIM	Gastro, medium	Gastro, medium	1.521
GIL	Gastro, low	Gastro, low	0.386
HEMEH	Hematological, extra high	Hematological, low to extra high	0.598
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, low to extra high	0.598
HEMM	Hematological, medium	Hematological, low to extra high	0.598
HEML	Hematological, low	Hematological, low to extra high	0.598
AIDSH	AIDS, high	AIDS, high	1.527
INFH	Infectious, high	AIDS, high	1.527
HIVM	HIV, medium	HIV, medium	1.204
INFM	Infectious, medium	Infectious, low to medium	0.197
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.197
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, medium to high	1.382
CMETH	Metabolic, high - child	Not Used	Not Used
METM	Metabolic, medium	Metabolic, medium to high	1.382
METVL	Metabolic, very low	Metabolic, very low	0.506
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	2.708
PSYH	Psychiatric, high	Psychiatric, high	2.650
PSYM	Psychiatric, medium	Psychiatric, medium	1.509
PSYML	Psychiatric, medium low	Psychiatric, medium low	1.218
PSYL	Psychiatric, low	Psychiatric, low	0.619
PULVH	Pulmonary, very high	Not Used	Not Used
CPULVH	Pulmonary, very high - child	Not Used	Not Used
PULH	Pulmonary, high	Pulmonary, high	7.062
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, low to medium	0.502
PULL	Pulmonary, low	Pulmonary, low to medium	0.502
RENEH	Renal, extra high	Renal, extra high	13.306
RENVH	Renal, very high	Renal, very high	1.565
RENM	Renal, medium	Renal, medium	0.837
RENL	Renal, low	Renal, low	0.295
SKCM	Skeletal, medium	Skeletal, medium	0.567

Exhibit 4F
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
MA Children and Quasi-CHIP

<u>CDPS + Rx Abbreviation</u>	<u>CDPS + Rx Description</u>	<u>MississippiCAN Risk Weight Category</u>	<u>MississippiCAN Risk Weight</u>
SKCL	Skeletal, low	Skeletal, low	0.437
SKCVL	Skeletal, very low	Skeletal, very low	0.278
SKNH	Skin, high	Skin, high	1.516
SKNL	Skin, low	Skin, very low to low	0.188
SKNVL	Skin, very low	Skin, very low to low	0.188
SUBL	Substance abuse, low	Substance abuse, very low to low	0.381
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.381
MRX1	Anti-coagulants	Cardiovascular, medium	0.760
MRX2	Cardiac	Cardiovascular, extra low to low	0.593
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.619
MRX4	Diabetes	Diabetes, type 2 low	2.030
MRX5	ESRD / Renal	Renal, very high	1.565
MRX6	Hemophilia / von Willebrands	Hematological, low to extra high	0.598
MRX7	Hepatitis	HIV, medium	1.204
MRX8	HIV	HIV, medium	1.204
MRX9	Infections, high	AIDS, high	1.527
MRX10	Inflammatory / Autoimmune	Skeletal, very low	0.278
MRX11	Malignancies	Cancer, medium	3.414
MRX12	Multiple Sclerosis / Paralysis	CNS, medium	1.647
MRX13	Parkinsons / Tremor	CNS, low	0.575
MRX14	Seizure disorders	CNS, low	0.575
MRX15	Tuberculosis	Pulmonary, low to medium	0.502

Exhibit 5A
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2022

Region:North

	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	0.9999	\$1,070.00	\$1,069.93	\$110.00	\$60.00	\$10.00	TBD	\$180.00	\$1,249.93
Molina	0.9982	\$1,070.00	\$1,068.04	\$110.00	\$60.00	\$10.00	TBD	\$180.00	\$1,248.04
United	1.0006	\$1,070.00	\$1,070.63	\$110.00	\$60.00	\$10.00	TBD	\$180.00	\$1,250.63
MA Adult									
Magnolia	1.0114	\$490.00	\$495.56	\$50.00	\$60.00	\$10.00	TBD	\$120.00	\$615.56
Molina	0.9659	\$490.00	\$473.29	\$50.00	\$60.00	\$10.00	TBD	\$120.00	\$593.29
United	1.0112	\$490.00	\$495.48	\$50.00	\$60.00	\$10.00	TBD	\$120.00	\$615.48
MA Children									
Magnolia	1.0025	\$220.00	\$220.55	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$310.55
Molina	0.9379	\$220.00	\$206.34	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$296.34
United	1.0271	\$220.00	\$225.97	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$315.97
Quasi-CHIP									
Magnolia	1.0007	\$220.00	\$220.14	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$300.14
Molina	0.9678	\$220.00	\$212.93	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$292.93
United	1.0124	\$220.00	\$222.73	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$302.73
Foster Care									
Magnolia	0.9315	\$650.00	\$605.44	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$815.44
Molina	1.2965	\$650.00	\$842.73	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,052.73
United	1.0590	\$650.00	\$688.35	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$898.35

¹ Capitation rates reflect the removal of the quality withhold
² Includes associated premium tax
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly

Exhibit 5B
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2022

Region:	Central								
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0317	\$1,230.00	\$1,268.95	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,478.95
Molina	0.9725	\$1,230.00	\$1,196.23	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,406.23
United	0.9669	\$1,230.00	\$1,189.32	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,399.32
MA Adult									
Magnolia	1.0339	\$540.00	\$558.29	\$60.00	\$60.00	\$10.00	TBD	\$130.00	\$688.29
Molina	0.9505	\$540.00	\$513.28	\$60.00	\$60.00	\$10.00	TBD	\$130.00	\$643.28
United	1.0003	\$540.00	\$540.14	\$60.00	\$60.00	\$10.00	TBD	\$130.00	\$670.14
MA Children									
Magnolia	1.0141	\$220.00	\$223.11	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$313.11
Molina	0.9292	\$220.00	\$204.42	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$294.42
United	1.0202	\$220.00	\$224.45	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$314.45
Quasi-CHIP									
Magnolia	0.9923	\$230.00	\$228.22	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$308.22
Molina	0.9684	\$230.00	\$222.73	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$302.73
United	1.0206	\$230.00	\$234.75	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$314.75
Foster Care									
Magnolia	0.9469	\$680.00	\$643.90	\$180.00	\$60.00	\$10.00	TBD	\$250.00	\$893.90
Molina	1.2206	\$680.00	\$829.98	\$180.00	\$60.00	\$10.00	TBD	\$250.00	\$1,079.98
United	1.0389	\$680.00	\$706.43	\$180.00	\$60.00	\$10.00	TBD	\$250.00	\$956.43

¹ Capitation rates reflect the removal of the quality withhold

² Includes associated premium tax

³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q3 to Q4 2022

Region:	South								
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0309	\$1,220.00	\$1,257.68	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,467.68
Molina	0.9828	\$1,220.00	\$1,198.97	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,408.97
United	0.9747	\$1,220.00	\$1,189.08	\$140.00	\$60.00	\$10.00	TBD	\$210.00	\$1,399.08
MA Adult									
Magnolia	1.0120	\$530.00	\$536.38	\$60.00	\$60.00	\$10.00	TBD	\$130.00	\$666.38
Molina	0.9453	\$530.00	\$500.99	\$60.00	\$60.00	\$10.00	TBD	\$130.00	\$630.99
United	1.0276	\$530.00	\$544.62	\$60.00	\$60.00	\$10.00	TBD	\$130.00	\$674.62
MA Children									
Magnolia	1.0063	\$220.00	\$221.40	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$311.40
Molina	0.9364	\$220.00	\$206.01	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$296.01
United	1.0278	\$220.00	\$226.11	\$20.00	\$60.00	\$10.00	TBD	\$90.00	\$316.11
Quasi-CHIP									
Magnolia	0.9655	\$220.00	\$212.42	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$292.42
Molina	0.9349	\$220.00	\$205.68	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$285.68
United	1.0551	\$220.00	\$232.11	\$10.00	\$60.00	\$10.00	TBD	\$80.00	\$312.11
Foster Care									
Magnolia	0.9247	\$660.00	\$610.28	\$110.00	\$60.00	\$10.00	TBD	\$180.00	\$790.28
Molina	1.2856	\$660.00	\$848.47	\$110.00	\$60.00	\$10.00	TBD	\$180.00	\$1,028.47
United	1.0729	\$660.00	\$708.10	\$110.00	\$60.00	\$10.00	TBD	\$180.00	\$888.10

¹ Capitation rates reflect the removal of the quality withhold

² Includes associated premium tax

³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly

Caveats and Limitations
Mississippi Division of Medicaid
Q3 to Q4 2022 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q3 to Q4 2022 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters, FFS claims, and eligibility data from July 2022 to December 2022 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q3 to Q4 2022 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2023 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Jill Bruckert is a Principal and Consulting Actuary for Milliman, member of the American Academy of Actuaries, and meets the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of her knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA

Tel +1 262 784 2250

milliman.com

August 22, 2023

Jennifer Wentworth
Special Projects Admin, Accounting
Mississippi Office of the Governor, Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Report19 - State Fiscal Year 2023 MississippiCAN Preliminary Rate Calculation and Certification - REVISED

Dear Jennifer:

The Mississippi Division of Medicaid (DOM) has retained Milliman to develop actuarially sound capitation rates for state fiscal year (SFY) 2023 for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for Medicaid beneficiaries.

This report documents the preliminary capitation rates for all populations enrolled in MississippiCAN. Overall, the preliminary SFY 2023 capitation rates are 2.7% higher than the SFY 2022 capitation rates issued on July 18, 2023 (when compositing rates using CY 2019 membership). This report updates our preliminary capitation rates;¹ the following changes were made in this report relative to the prior certification:

- Unit cost trends for physician services were updated based on a restated simulation of the impact of changes in payment methodologies between CY 2019 and SFY 2023 performed by Conduent.
- Unit cost trends for inpatient, outpatient, physician, and other services were adjusted for fee schedule changes that occurred throughout SFY 2023.
 - Ambulatory Surgical Center (ASC)
 - Autism Spectrum Disorder (ASD)
 - Durable Medical Equipment (DME) / Medical Supplies
 - Home Health
 - Prescribed Pediatric Extended Care (PPEC)
 - Private Duty Nursing (PDN)
 - Psychiatric Residential Treatment Facilities (PRTF)
- A population adjustment for the Pregnant Women rate cell related to the extension of postpartum coverage from 60 days to 12 months effective April 1, 2023.
- COVID-19 population acuity adjustment was applied for the MA Adult, MA Children, and Quasi-CHIP rate cells to account for differences in actual and projected SFY 2023 enrollment.
- We removed a reimbursement adjustment related to certain rural hospitals opting out of APC reimbursement methodology, and instead being reimbursed at 101% of Medicare rates. This reimbursement adjustment will be applied to SFY 2024.

¹ "Wentworth12 - SFY 2023 Preliminary MississippiCAN Rate Calculation and Certification.pdf" dated July 18, 2023.



Table 1 summarizes the overall impact on capitation rates resulting from the changes noted above. The impact in Table 1 is based upon the membership distribution across rate cells in calendar year (CY) 2019. Each of these changes are described in more detail within the capitation report.

Table 1 MississippiCAN Capitation Rates Summary of SFY 2023 Rate Change Components	
Assumption Change	Change from July 18, 2023 Preliminary Rates
Restated SFY 2019 to SFY 2023 Unit Cost Trends	1.004
COVID-19 Population Acuity Adjustment	1.011
Postpartum Coverage Extension	0.999
Restated Administrative Costs	1.002
Total SFY 2023 Rate Change	1.016

No program experience from SFY 2023 was used to develop these rate adjustments other than actual enrollment for the acuity adjustment, as was outlined in the original rate certification.

Also consistent with the approaches outlined in the original rate certification, rates will be retroactively adjusted and recertified for the following items:

- Payments for the Mississippi Hospital Access Program (MHAP) Quality Incentive Payment Program (QIPP).
- Payments for the Mississippi Medicaid Access to Physician Services (MAPS) program.
- Payments for the Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) program.
- Actual membership to determine the final MHAP fee schedule adjustment (FSA) amounts.

This recertification will be done at one time for capitation rates for the entire SFY 2023 period. This recertification is anticipated to happen by June 2024.

As of the time of this report, the impact on capitation rates due to COVID-19 is uncertain for SFY 2023. As such, consistent with the original certification, a risk corridor will be used in SFY 2023 to reflect the uncertainty in the capitation rates due to COVID-19. The risk corridor is described in more detail in Section IV. In addition, explicit adjustments for COVID-19 are made in the rate development for the following:

- Fewer than 3.5 years of utilization trend was applied from CY 2019 to SFY 2023 in some situations. Total utilization trend applied varies by rate cell and is described in greater detail in Section IV.
- Medicaid enrollment remained elevated through the end of the Department of Health and Human Services (HHS) declared public health emergency (PHE). Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the PHE from coordinated care organizations (CCOs) into FFS Medicaid. Following the end of the PHE, these members' Medicaid eligibility is being redetermined; members may be re-enrolled in managed care or may be disenrolled from Medicaid entirely.

As SFY 2023 enrollment is materially different than the CY 2019 membership used to develop the base data underlying SFY 2023 capitation rates, Milliman applied a retrospective acuity adjustment for the MA Adult, MA Children, and Quasi-CHIP rate cells to reflect the differences between those populations.

Capitation rates include dampened emergency service projections, which reflect utilization pattern changes observed during the COVID-19 pandemic and expected to persist following the pandemic.

- The capitation rates include provisions for expected vaccination administration fees related to COVID-19 in SFY 2023.

Additionally, the SFY 2023 capitation rates use CY 2019 data as the basis for projections. Under normal circumstances, SFY 2023 capitation rates would be based on CY 2020 experience. However, given the large changes in member behavior in CY 2020, we do not find this experience to be a credible basis for SFY 2023 projections, as we expect



Jennifer Wentworth
Mississippi Office of the Governor, Division of Medicaid
August 22, 2023
Page 3 of 3

SFY 2023 will be more similar to CY 2019 than to CY 2020. However, CY 2020 and emerging 2021 experience is used to help inform trends and other targeted adjustments, where appropriate.



Jennifer, please call us at 262 784 2250 if you have questions. We look forward to discussing this report with you and the CCOs.

Sincerely,

A handwritten signature in black ink that reads 'Jill Bruckert'.

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/bl

Attachments

A handwritten signature in black ink that reads 'Katarina Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary

MILLIMAN REPORT

State of Mississippi Division of Medicaid

State Fiscal Year 2023 MississippiCAN Preliminary Rate Calculation and Certification - REVISED

August 22, 2023

[Jill A. Bruckert](#), FSA, MAAA
Principal and Consulting Actuary

[Michael C. Cook](#), FSA, MAAA
Principal and Consulting Actuary

[Katarina N. Lorenz](#), FSA, MAAA
Consulting Actuary



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com



Table of Contents

I. SUMMARY AND DISCUSSION OF RESULTS	1
II. MISSISSIPPICAN BACKGROUND.....	9
III. BASE DATA DEVELOPMENT	12
IV. PROJECTED SFY 2023 CAPITATION RATES	25

EXHIBITS (Provided in Excel format only)

Capitation Rate Development

EXHIBIT 1A	Base Data Exhibits – CY 2019 Encounter Data
EXHIBIT 1B	Base Data Exhibits – CY 2018 Encounter Data
EXHIBIT 1C	Base Data Exhibits – Q1 to Q3 2018 FFS and Encounter Data for MYPAC Rate Cell
EXHIBIT 2A	Final Base Data and Projection Assumptions
EXHIBIT 2B	MA Adult and Pregnant Women Aggregate Service PMPMs
EXHIBIT 3	Statewide Non-Service Expense Allowance Development
EXHIBIT 4	Final SFY 2023 Capitation Rates

Capitation Rate Support

EXHIBIT 5	SFY 2022 to SFY 2023 Rate Change
EXHIBIT 6	Service Category to Milliman HCGs Grouper Category Mapping
EXHIBIT 7A	Historical PMPM Trend Summary – All Populations
EXHIBIT 7B	Historical PMPM Trend Summary – SSI+ Population
EXHIBIT 7C	Historical PMPM Trend Summary – Adults Population
EXHIBIT 7D	Historical PMPM Trend Summary – Children Population
EXHIBIT 7E	Historical PMPM Trend Summary – Deliveries
EXHIBIT 8A	Pharmacy Trend Summary – SSI Rate Grouping
EXHIBIT 8B	Pharmacy Trend Summary – Adult Rate Grouping
EXHIBIT 8C	Pharmacy Trend Summary – Children Rate Grouping
EXHIBIT 9A	Development of Vaccine Expenses
EXHIBIT 9B	Development of Vaccine Targets
EXHIBIT 9C	Illustration of Withhold Calculation for COVID-19 Vaccines
EXHIBIT 10	Enhanced Match Services
EXHIBITS 11A - 11D	CY 2018 Databooks
EXHIBITS 11E - 11H	CY 2019 Databooks
EXHIBIT 12	5% Provider Assessment Application
EXHIBIT 13	Summary of Population, Program, and Reimbursement Changes
EXHIBIT 14	Capitation Rate Component Change Summary
EXHIBIT 15	Unit Cost Trends by Category of Service
EXHIBIT 16	Postpartum Coverage Extension Development
EXHIBIT 17	SFY 2023 Population Acuity Adjustment Development

Expenditure Projection

EXHIBIT 18	MississippiCAN Expenditure Estimate

Risk Corridor Calculations

EXHIBIT 19	Illustrative MLR Development

Table of Contents *(continued)*

Data Processing Support

EXHIBIT 20A	Procedure Codes for Non-Psychiatric Physician Visits
EXHIBIT 20B	Procedure Codes for Psychiatric Physician Visits
EXHIBIT 20C	NDCs Excluded from Monthly Pharmacy Script Limit

APPENDICES

Supporting Documentation

APPENDIX A	SFY 2023 Rate Cell Definitions
APPENDIX B	Data Sources and Processing
APPENDIX C	CMS Rate Setting Checklist
APPENDIX D	CMS Managed Care Rate Setting Guide Response
APPENDIX E	Actuarial Certification of SFY 2023 MississippiCAN Capitation Rates
APPENDIX F	Data Reliance Letter

I. SUMMARY AND DISCUSSION OF RESULTS

The Mississippi Division of Medicaid (DOM) retained Milliman to calculate, document, and certify to capitation rates for Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for targeted Medicaid beneficiaries, effective for state fiscal year (SFY) 2023. This report provides preliminary SFY 2023 capitation rates and documents their development. This report is structured as follows:

- Section I includes a high-level overview of the change in capitation rates relative to the July 1, 2021 to June 30, 2022 (SFY 2022) capitation rates
- Section II provides a short background of the MississippiCAN program
- Section III documents the development of the base data
- Section IV documents the rate setting process for SFY 2023 capitation rates
- Appendices A and B contain additional details on the SFY 2023 rate cell definitions and base period data sources and processing
- Appendices C and D provide responses to the CMS rate setting checklist and CMS managed care rate setting guide for all rate cells
- Appendix E contains an Actuarial Certification for all MississippiCAN rate cells
- Appendix F documents our reliance on DOM for data and other assumptions in the development of the capitation rates

SFY 2023 CAPITATION RATES

Table 1 includes per member per month (PMPM) preliminary capitation rates effective for SFY 2023, including all components that will be paid to the Coordinated Care Organizations (CCOs) on a monthly basis. Each CCO will be paid based on the distribution of members enrolled in each rate cell. In addition, CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions: North, Central, or South, as shown in Appendix A.

Table 1 Mississippi Division of Medicaid MississippiCAN Capitation Rates Per Member Per Month (PMPM)¹ Effective SFY 2023			
Rate Cell	North	Central	South
Non-Newborn SSI / Disabled	\$1,103.21	\$1,268.75	\$1,256.67
Breast and Cervical Cancer	\$3,541.76	\$4,073.22	\$4,034.43
MA Adult	\$524.15	\$577.45	\$561.35
Pregnant Women	\$1,090.72	\$1,201.64	\$1,168.14
SSI / Disabled Newborn	\$8,721.52	\$9,050.13	\$8,845.86
Non-SSI Newborns 0 to 2 Months	\$2,008.45	\$2,084.12	\$2,037.08
Non-SSI Newborns 3 to 12 Months	\$282.24	\$292.87	\$286.26
Foster Care	\$707.54	\$734.20	\$717.63
MYPAC	\$4,078.64	\$4,232.31	\$4,136.79
MA Children	\$229.67	\$238.33	\$232.95
Quasi-CHIP	\$232.19	\$240.93	\$235.50

¹ Rate changes exclude MHAP, MAPS, TREAT, and the quality withhold.

The MississippiCAN capitation rates include medical and pharmacy services that will be paid prospectively on a monthly basis in the capitation rates and directed payments that will require retrospective adjustments to the capitation rates. The PMPM capitation rates in Table 1 only include the amounts that will be paid prospectively in the capitation rates.

As outlined in the original certification, the capitation rates will be retrospectively adjusted for the following components, which are not included in Table 1:

- The Mississippi Hospital Access Program (MHAP) hospital fee schedule adjustment (FSA), which varies by rate cell on a PMPM basis based on projected utilization of inpatient and outpatient services and actual membership. The MHAP FSA payments will be \$313.1 million in SFY 2023, increased from \$285.6 million in SFY 2022. Please see Section IV of this report for additional details on the MHAP FSA.
- Payments for the MHAP quality incentive payment program (QIPP) are paid outside of the capitation rates on a quarterly basis. The MHAP QIPP payments will be \$288.1 million in SFY 2023, increased from \$247.5 million in SFY 2022. Please see Section IV of this report for additional details on the MHAP QIPP.
- The MAPS program will be included in MississippiCAN to enhance payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital, or who assigned Mississippi Medicaid payments to a qualifying hospital. The MAPS payments are estimated to be \$38.0 million in SFY 2023. Please see Section IV of this report for additional details on the MAPS program.
- The TREAT program will be included in MississippiCAN for SFY 2023 to enhance payments to eligible emergency ambulance providers. The TREAT payments are estimated to be \$14.7 million in SFY 2023. Please see Section IV of this report for additional details on the TREAT program.

In addition, the capitation rates will be adjusted on a CCO specific basis for the following rate adjustments:

- **Quality Withhold:** As in SFY 2022 rates, DOM will apply a quality withhold to MississippiCAN payments in SFY 2023 based on metrics reported by the CCOs. The PMPM capitation rates in Table 1 are prior to the application of this quality withhold. Please see Section IV for more information on the quality withhold for SFY 2023.
- **Risk Adjustment:** The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be risk adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO and will be budget-neutral to DOM. The CDPS + Rx demographic and disease category weights are calculated using Mississippi fee-for-service (FFS) and encounter data.

The capitation rates for the Foster Care rate cell will be risk adjusted using a custom risk adjustment model developed for this population. This custom model uses a member's eligibility for either state or federal financial assistance to assign a risk score. The risk adjustment for the Foster Care rate cell will be applied on a concurrent basis.

Please see Section IV for more information on the application of risk adjustment to the applicable rate cells.

- **Risk Corridor:** As outlined in the original certification, a risk corridor will be applied to recognize the uncertainty in determining rate setting assumptions for the impact of COVID-19 on the SFY 2023 rating period. Please see Section IV for more information on how the risk corridor settlements will be calculated.

Our Actuarial Certification of the SFY 2023 MississippiCAN capitation rates is included as Appendix E. It should be emphasized that capitation rates are a projection of future costs based on a set of starting data and assumptions. Actual costs will be dependent on each contracted CCO's situation, experience, and enrolled population.

SELECTION OF BASE DATA

Under normal circumstances, data from CY 2020 would be used as the primary base data for SFY 2023 capitation rates. Due to the emergence of COVID-19 in 2020, however, the CY 2020 encounter data shows significantly different utilization and cost patterns when compared with prior time periods. We expect claims and member behavior in SFY 2023 to be more similar to prior time periods than to CY 2020, therefore, we use CY 2019 data as our primary data source for the SFY 2023 capitation rates.

While CY 2020 encounter data is not the primary data source for SFY 2023 capitation rates, we use this data and emerging data from CY 2021 to inform assumptions used to develop the SFY 2023 capitation rates, such as trend assumptions or service mix changes expected to persist post-COVID-19. We validated the quality of the CY 2020 encounter data by comparing the data to financial reporting provided by the CCOs, similar to the validation process for the CY 2019 data described in Section III below. Based on our analysis, the CY 2020 encounter data and the CCOs' financial reporting align reasonably well, with the reported financial data being approximately 0.9% higher than the reported encounters.

COVID-19 CONSIDERATIONS IN SFY 2023 RATE DEVELOPMENT

As of the time of this report, the impact on SFY 2023 capitation rates due to COVID-19 is difficult to predict. As such, as outlined in the original certification, a risk corridor will be in effect in SFY 2023 to reflect the uncertainty in the capitation rates due to COVID-19. The risk corridor is described in more detail in Section IV.

In addition, explicit adjustments for COVID-19 are made in the rate development for the following, as described in Section IV:

- We apply no utilization trend, one year of utilization trend, or two years of utilization trend for the adult, children, and SSI rate cell groups, respectively, from CY 2019 to SFY 2023 (these groups are outlined in Table 4 below). The application of a 0% utilization trend for a portion of this 42-month period implicitly assumes that once services return to pre-pandemic levels, if not already there, they are not anticipated to reflect 42 months of utilization trend relative to CY 2019 levels.
- Capitation rates include dampened emergency service projections which reflect utilization pattern changes observed during the COVID-19 pandemic and expected to persist following the pandemic.
- The capitation rates include provisions for expected vaccination administration fees related to COVID-19 in SFY 2023.
- As SFY 2023 enrollment is materially different than the CY 2019 membership used to develop the base data underlying SFY 2023 capitation rates due, Milliman applied a retrospective acuity adjustment for the MA Adult, MA Children, and Quasi-CHIP rate cells to reflect the differences between those populations.

The SFY 2023 capitation rates do not include any explicit adjustments for the following:

- COVID-19 Testing and Treatment Cost: The infection rate for COVID-19 in SFY 2023 is dependent on many variables that are difficult to predict, limiting our ability to include an estimate for the cost of testing for and treating individuals with COVID-19. Some of the variables under consideration include, but are not limited to:
 - The take-up rate and timing of COVID-19 vaccinations.
 - The emergence of COVID-19 variants and the efficacy of vaccines upon these variants.
 - The implementation of social distancing measures.

To our knowledge, there is not a publicly available model that includes COVID-19 infection rates or hospital admissions through June 2023. In addition, the publicly available models have materially changed short-term and long-term projections of COVID-19 prevalence in reaction to emerging data as different variations of COVID-19 become the main strain of infections. Given the unpredictable patterns of COVID-19 prevalence to date in Mississippi and the changing national models there is a range of potential impacts on the SFY 2023 rates.

In addition, part of the rationale for not adding future COVID-19 related costs is that flu-related costs have also been dampened during the COVID-19 pandemic relative to the amounts that are included in the CY 2019 base period data. Similar to estimating future COVID-19 related costs, future flu-related costs are also difficult to predict. It is unknown if the dampened infection rates in the 2020 / 2021 and 2021 / 2022 flu seasons (as of the date of this report) will persist after the end of the PHE due to increased population adherence to precautionary measures (such as masking and hand washing), or if a “normal” flu season will return.

- **Deferred and Foregone Services:** The most significant fiscal impact of COVID-19 to date has been the deferral of non-essential services, either through government-enacted policies, the impact of social distancing on the administration of services, or personal choice to defer services. We have reviewed MississippiCAN emerging data by population type (to remove the impact of membership mix changes). As of September 2021, there was still measurable reductions in claim costs compared to the PMPMs in CY 2019 for some population types. However, it is difficult to use this historical data to project the impact of deferred services for SFY 2023 for many reasons.
 - We observed the change in service utilization has varied as the level of COVID-19 diagnoses and hospital admissions has changed in Mississippi over the course of the pandemic to date. Therefore, a key variable in predicting future service utilization changes relative to pre-pandemic levels is the future prevalence of COVID-19, which as noted above, is unknown.
 - Despite the availability of vaccines and loosening of restrictions in CY 2021, we still have not seen claims return to a pre-pandemic level or the impact of any warehousing of claims.
 - In the MississippiCAN data that we have reviewed it is difficult to isolate the impact of deferred services from changes in utilization due to other drivers, such as change in service mix.
 - The length of the pandemic to date means that some of the routine care services that may have been deferred will be foregone rather than made up at a later time. For example, an individual will not receive two physicals in one year if they missed their prior evaluation.
 - Even if demand for deferred services is higher in SFY 2023, the amount of these services that can be provided is limited by the capacity of the state’s medical infrastructure. Some delayed services may continue to be delayed or never performed if demand exceeds capacity.

CAPITATION RATE CHANGE SUMMARY

Compared to SFY 2022 capitation rates, the SFY 2023 rates are 2.7% higher excluding the impact of directed payments when composited across all rate cells using CY 2019 membership. Excluding the impact of program changes (noted by footnote 2 in Table 2), which increase or decrease total program costs concurrently with revenue for the CCOs, the rates are 3.4% higher than SFY 2022. Excluding the impact of COVID-19 adjustments (noted by footnote 1 in Table 2), the rates are 0.1% lower than SFY 2022.

Table 2 shows a summary of the main drivers of the rate changes aggregated across all MississippiCAN capitation rate cells, excluding the impact of directed payments. All compositing is based upon CY 2019 membership.

Table 2
MississippiCAN Capitation Rates
Summary of SFY 2023 Rate Change Components¹

	Aggregated with CY 2019 Membership
SFY 2022 Capitation Rate	\$472.10
Base Period Data Update	0.996
Restate TPL on CY 2019 Claims	0.999
Restate Benefits Exceeding Medicaid Limits	1.000
Restate CY 2018 to SFY 2022 Trends	0.976
Remove SFY 2021 to SFY 2022 Charge Trends	0.998
Restate CY 2019 to CY 2020 PDL Adjustment ²	0.997
COVID-19 Population Acuity Adjustments ³	1.019
Other Restated Assumptions	0.999
Restated SFY 2022 Rate	0.983
SFY 2022 to SFY 2023 Trends	1.047
SFY 2023 COVID-19 Population Acuity Adjustment ³	1.011
Emergency Services Savings Adjustment	0.993
PDL CY 2021 to CY 2022 Adjustment ²	0.998
SFY 2022 to SFY 2023 COVID-19 Vaccine Administration Change ^{2, 3}	0.998
SFY 2023 Preventative and Diagnostic Dental Reimbursement Change ²	1.001
SFY 2023 Restorative Dental Reimbursement Change ²	1.001
Postpartum Coverage Extension ²	0.999
Update Admin	0.998
Preliminary SFY 2023 Rate Change	1.027
SFY 2023 Rate Change - Excluding Program Changes²	1.034
SFY 2023 Rate Change - Excluding COVID-19 Adjustments³	0.999

¹ Rate changes exclude MHAP, MAPS, TREAT, and the quality withhold.

² Program change that increases or decreases total program costs outside of the control of the CCOs.

³ COVID-19 Adjustments include the COVID-19 Vaccine Administration Expense and the COVID-19 Population Acuity Adjustment.

The values quoted below are all based on CY 2019 membership composites.

- The development of SFY 2023 capitation rates is a ground-up approach where the base data and each assumption is evaluated separate from the SFY 2022 capitation rates. However, for the purposes of explaining the rate change from SFY 2022 to SFY 2023, we isolate the impact of rebasing the data and assumptions that result in a change in the projected SFY 2022 values. Overall, this rebasing decreased the projection of SFY 2022 costs by 1.7% from costs projected in the SFY 2022 capitation rates. This 1.7% decrease contains the following sub-components:
 - CY 2019 claims data developed for SFY 2022 rate setting included runout through April 2020 and an incurred but not reported (IBNR) estimation of additional runout, while restated claims used for SFY 2023 rate setting include runout through August 2021 with no IBNR estimations necessary. This data update, as shown in the “Base Period Data Update” row above, amounted to a rate decrease of 0.4% relative to SFY 2022 rates.
 - We reflected additional runout on collections related to third party liability (TPL) incurred in CY 2019, but not yet reflected in the base encounter data used for rate setting. This amounted to a 0.1% reduction to SFY 2023 rates relative to SFY 2022 rates.
 - In SFY 2022 rates, Milliman removed the cost of services exceeding service limits from CY 2018 and CY 2019 base data as reported by the CCOs in financial reporting. Milliman recalculated the costs of these services for SFY 2023 rate setting by querying encounter data. The resulting recalculation of non-covered services resulted in a negligible change in SFY 2023 rates relative to SFY 2022 rates.

- Milliman restated CY 2019 to SFY 2022 trend assumptions. This included the recalculation of annual trend assumptions based on reviewing restated data, changes to the lengths of time during which utilization trends were applied from CY 2019 to SFY 2022, and the restatement of CY 2019 to SFY 2022 pharmacy unit cost trends; all topics are discussed in Section IV. Overall, this trend restatement resulted in an overall 2.4% reduction to capitation rates.
- In SFY 2022 capitation rates, Milliman reflected anticipated changes to fee schedules effective July 1, 2021. Due to SB2799, fee schedules set to change at that time were instead frozen at the SFY 2021 levels. Milliman thus removed SFY 2021 to SFY 2022 charge trends seen in SFY 2022 capitation rates from the SFY 2023 capitation rates shown in this report. This removal of SFY 2021 to SFY 2022 unit cost changes results in a 0.2% reduction to capitation rates.

CMS did not approve the freezing of pharmacy reimbursement as of July 1, 2021. Therefore, SFY 2023 capitation rates assume pharmacy unit cost trends are applicable for the entire time period from the base period to SFY 2023. Additionally note, that FQHC and RHC reimbursement rates are set by the Federal government, and thus, cannot be modified by DOM. Therefore, Milliman continued to reflect all applicable FQHC and RHC reimbursement changes from the base period to SFY 2023 in these capitation rates.

- Milliman restated the impact of PDL changes effective January 1, 2020. This resulted in an additional 0.3% reduction to SFY 2023 rates relative to SFY 2022 rates.
 - SFY 2022 capitation rates included negative acuity adjustments for the MA Adult, MA Children, and Quasi-CHIP populations. These acuity adjustments reflected an increase in projected SFY 2022 enrollment relative to CY 2019 enrollment as of the initial certification of SFY 2022 capitation rates. The removal of this negative adjustment from SFY 2022 to SFY 2023 rates resulted in a 1.9% increase in SFY 2023 capitation rates relative to SFY 2022 capitation rates.
 - Various other assumptions were restated, most notably PRTF-related adjustments on CY 2018 data, NET-related changes (to incorporate a second CCO transitioning vendors), and various other adjustments which were recalculated using updated CY 2019 claims data. These restated assumptions net to a 0.1% reduction to SFY 2023 capitation rates.
- Composite utilization and unit cost trend assumptions from SFY 2022 to SFY 2023 increased projected costs 4.7%. This is driven by a large unit cost increase for physician services (primarily evaluation and management codes) effective July 1, 2022. In addition, there were other service specific fee schedules that had material changes on a population specific basis (e.g., PRTF increase result in large reimbursement change for the Foster Care rate cell) during SFY 2023 that we have incorporated.
 - An acuity adjustment for the MA Adult, MA Children, and Quash-CHIP rate cells was applied to account for decreased enrollment in SFY 2023 relative to CY 2019, which increased the capitation rates by 1.1%.
 - MississippiCAN has seen a decrease in the utilization of emergency services since the beginning of the COVID-19 pandemic. We expect that this shifted member behavior will persist into SFY 2023 and have thus projected a decrease to emergency service utilization relative to CY 2019 levels. Across all rate cells, this amounts to a 0.7% decrease to capitation rates.
 - Preferred drug list (PDL) updates effective January 1, 2022 are estimated to decrease gross pharmacy costs prior to DOM rebate collection by approximately 1.2%, resulting in an overall 0.2% decrease to capitation rates.
 - MississippiCAN CCOs will be responsible for expenses related to the administration of the COVID-19 vaccine. Milliman revised the estimate of these vaccine administration expenses from SFY 2022 to SFY 2023. Across all rate cells, SFY 2023 vaccine administration expenses average \$0.78 PMPM, down from \$1.71 in SFY 2022 rates, resulting in an overall 0.2% decrease to capitation rates.
 - Per SB2799, SFY 2023 MississippiCAN preventative and diagnostic dental services will be reimbursed at a rate 5% greater than in SFY 2022. Across all rate cells, this amounts to a 0.1% increase to capitation rates.

MILLIMAN REPORT

- Per HB657, SFY 2023 MississippiCAN restorative dental services will be reimbursed at a rate 5% greater than in SFY 2022. Across all rate cells, this amounts to a 0.1% increase to capitation rates.
- Per SB 2212, postpartum coverage extended from 60 days to 12 months effective April 1, 2023. Previously, members in the Pregnant Women rate cell were transitioned out of the rate cell after their 60 days of postpartum coverage concluded. An adjustment to account for the estimated cost differential between the prior coverage and the additional postpartum coverage decreased overall SFY 2023 capitation rates by 0.1% on a PMPM basis across all rate cells. However due to the additional membership introduced into the program, we estimate total program SFY 2023 costs increased by 0.5% due to the postpartum extension.
- Overall administrative expenses increased approximately 3.0% on a PMPM basis from SFY 2022 to SFY 2023. Total administrative expenses as a percentage of medical expenses remained approximately unchanged from SFY 2022 rates, and thus, administrative expense updates resulted in a small reduction to SFY 2023 capitation rates. Fixed administrative expenses increased from \$10.25 PMPM in SFY 2022 rates to \$10.56 PMPM in SFY 2023 rates, and variable administrative expenses decreased from 5.39% of SFY 2022 rates to 5.00% of SFY 2023 rates.

The total MHAP payment across all MississippiCAN members increased to \$601.15 million in SFY 2023 from \$533.11 million in SFY 2022. Please see Section IV of this report for more information on changes to the MHAP structure for SFY 2023.

CAPITATION RATE CHANGE BY RATE CELL

Rate changes vary by capitation rate cell as shown in Table 3, which compares SFY 2023 capitation rates to SFY 2022 capitation rates, on a similar basis as Table 2. The level of detail for the rate change included in Table 2 above is shown by rate cell in Exhibit 5.

Table 3 MississippiCAN Capitation Rates Summary of Statewide SFY 2023 Rate Change¹			
Rate Cell	Overall Rate Change	Excluding Program Changes²	Excluding COVID-19 Adjustments³
Non-Newborn SSI / Disabled	0.6%	1.2%	0.6%
Breast and Cervical Cancer	1.4%	1.8%	1.4%
MA Adult	11.5%	12.1%	-0.1%
Pregnant Women	-3.0%	-1.2%	-3.1%
SSI / Disabled Newborn	1.3%	1.6%	1.3%
Non-SSI Newborns 0 to 2 Months	-2.6%	-2.6%	-2.6%
Non-SSI Newborns 3 to 12 Months	-0.3%	0.0%	-0.3%
Foster Care	4.4%	4.9%	4.6%
MYPAC	-2.2%	-2.1%	-2.2%
MA Children	5.0%	6.0%	-0.1%
Quasi-CHIP	5.2%	6.3%	0.0%
Total - Aggregated with CY 2019 MMs	2.7%	3.4%	-0.1%

¹ Rate changes exclude MHAP, MAPS, TREAT, and the quality withhold.

² PDL, Dental Reimbursement Changes, and Postpartum Coverage changes have been excluded from this calculation.

³ COVID-19 Adjustments include the COVID-19 Vaccine Administration Expense and the COVID-19 Population Acuity Adjustment.

DATA RELIANCE AND IMPORTANT CAVEATS

Milliman has developed certain models to estimate the values included in this report. The intent of the models was to estimate SFY 2023 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial reporting from January 2018 to September 2021 with runout through November 2021, FFS cost and eligibility data from January 2017 to December 2018, historical and projected reimbursement information, TPL recoveries, fee schedules,

pharmacy and dispensing fee pricing, and other information from DOM, MississippiCAN CCOs, Myers and Stauffer, Change Healthcare, and CMS to calculate the preliminary MississippiCAN capitation rates shown in this report. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix F for a full list of the data relied upon to develop the SFY 2023 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our report is intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2023. The report and the models used to develop the values in this report may not be appropriate for other purposes. We anticipate the report will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of this report are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of this report are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of their knowledge and belief, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

The terms of Milliman's contract with DOM effective September 1, 2022, apply to this report and its use.

II. MISSISSIPPICAN BACKGROUND

MississippiCAN, a Coordinated Care Program for Mississippi Medicaid beneficiaries, was designed to address the following goals:

- Improve access to needed medical services – This goal is accomplished by connecting the targeted beneficiaries with a medical home, increasing access to providers, and improving beneficiaries' use of primary and preventive care services
- Improve quality of care – This goal is accomplished by providing systems and supportive services, including disease state management and other programs that will allow beneficiaries to take increased responsibility for their health care
- Improve efficiencies and cost effectiveness – This goal is accomplished by contracting with CCOs on a capitated basis to provide services through an efficient, cost effective system of care

TARGET POPULATION

MississippiCAN was implemented in all 82 counties in the State of Mississippi for all eligible beneficiaries beginning January 1, 2011 for targeted, high cost Medicaid beneficiaries defined by these categories of eligibility (COEs):

- COE001 – SSI via SDX
- COE019 – Disabled children at home
- COE025 – Working Disabled
- COE026 – DHS CWS Foster Care
- COE027 – Breast-Cervical

On December 1, 2012 the eligible population of MississippiCAN was expanded to include all Foster Care children, Non-SSI Newborns 0 to 12 months, MA Adults, and Pregnant Women, as defined by the following categories of eligibility and age requirements:

- COE003 – DHS-IV-E-Medicaid
- COE075 – Parents / Caretakers of minor children
- COE088 – Pregnant Women, 185% FPL – Ages 8+
- Non-SSI Newborns – Ages 0 to 12 months
 - COE003 – DHS IV-E Medicaid
 - COE026 – DHS Foster Care
 - COE071 – Newborn age 0 to 1 with income at or below 185% FPL
 - COE088 – Pregnant Women, 185% FPL

Effective December 1, 2012, all MississippiCAN populations were mandatory enrolled except SSI children, disabled children at home, Foster Care children, and members of the Mississippi Band of Choctaw Indians.

Between December 2014 and July 2015, the eligible population of MississippiCAN was expanded again to include children as defined by the following categories of eligibility, age, and income requirements:

- COE072 – Children age 1 to 5 with income at or below 133% FPL
- COE073 – Children age 6 to 19 with income at or below 100% FPL
- COE074 – Children age 6 to 19 with income between 100% and 133% FPL who would have qualified for CHIP under pre-Affordable Care Act rules

Effective January 1, 2014, COE074 children previously eligible for CHIP with income eligibility between 100% and 133% FPL became Medicaid eligible rather than CHIP eligible due to income eligibility outlined in the Affordable Care Act. These children were moved into MississippiCAN effective December 1, 2014 and referred to as “Quasi-CHIP” children.

MILLIMAN REPORT

The children covered under the above COEs previously covered in the Medicaid program are called “MA Children.” DOM phased in enrollment from FFS into MississippiCAN by July 2015, with most children transitioned between May 2015 and July 2015.

Effective December 1, 2015, in conjunction with the movement of inpatient services into MississippiCAN, enrollment procedures were changed to enroll newborns in MississippiCAN on the day of their birth. Previously, newborns were not enrolled until, on average, their second month of life due to a delay in assigning a Medicaid identification number and the process to enroll them in a CCO.

Starting October 1, 2018, Severely Emotionally Disturbed (SED) Children were covered by MississippiCAN. These children are identified with the lock-in code of “SED,” which is effective for one year after determination. To receive Mississippi Youth Program Around the Clock (MYPAC) services, a child must have a SED lock-in code. This population was referred to as “SED Children” prior to SFY 2021. Starting in SFY 2021, this population is referred to as the “MYPAC” rate cell.

Throughout this report, we frequently apply the same adjustments to rate cells with similar demographics. The rate cell groups summarized in Table 4 identify the rate cells contained within each grouping referenced throughout this report.

Table 4 Mississippi Division of Medicaid Rate Cell Groupings	
Rate Cells	Rate Cell Grouping
Non-Newborn SSI / Disabled	SSI
Breast and Cervical Cancer	SSI
MA Adult	Adults
Deliveries - MA Adult	Deliveries
Pregnant Women	Adults
Deliveries - Pregnant Women	Deliveries
SSI / Disabled Newborn	Children
Non-SSI Newborns 0 to 2 Months	Children
Non-SSI Newborns 3 to 12 Months	Children
Foster Care	Children
MYPAC	Children
MA Children	Children
Quasi-CHIP	Children

COVERED SERVICES

When MississippiCAN was first established in January 2011, three key services were initially excluded from the program. Over time, each has been moved from being covered by FFS to MississippiCAN as follows:

- Behavioral health services – Rolled into MississippiCAN effective December 1, 2012
- Non-emergent transportation services – Rolled into MississippiCAN effective July 1, 2014
- Inpatient services – Rolled into MississippiCAN effective December 1, 2015

Effective October 1, 2018, MississippiCAN included costs for psychiatric residential treatment facility (PRTF) stays. Historically, these costs were carved out of MississippiCAN, although members were not dis-enrolled from MississippiCAN.

Starting July 1, 2019, services provided at institutions for mental disease (IMD) are covered as part of the MississippiCAN program.

CCOs historically have not provided services not covered under MississippiCAN “in lieu of” covered services.

ENROLLMENT PERIOD

All beneficiaries have the ability to choose the CCO in which to enroll. Enrolled beneficiaries will have an open enrollment period during the 90 days following their initial enrollment in a CCO, during which they can enroll in a different CCO “without cause” and an open enrollment period from October to December of each year. During this time period, beneficiaries may choose to change their CCO.

Various “for cause” reasons for disenrollment at other times incorporate federal requirements, such as: Providers that do not (for religious or moral reasons) offer needed services; not all related services are available in the plan's network; or the plan lacks providers experienced in dealing with the enrollee's health care needs.

Eligibility criteria for MississippiCAN are the same as the eligibility criteria for Mississippi Medicaid. To receive enhanced federal funding during the COVID-19 PHE, DOM paused disenrollment of members from the Mississippi Medicaid program who normally would no longer be eligible for Medicaid services. Where readily identifiable (e.g., individuals aging out of the program eligibility requirements or pregnant women reaching 60 days post-partum), individuals who would have lost normal Medicaid eligibility in the MississippiCAN program were transitioned to FFS for the remainder of the PHE. Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the PHE from coordinated care organizations (CCOs) into FFS Medicaid. Following the end of the PHE, these members Medicaid eligibility will be redetermined; members may be re-enrolled in managed care or may be disenrolled from Medicaid entirely.

The CCOs do not have the ability to directly market to targeted beneficiaries. DOM provides information about choice of CCOs and enrolls the beneficiaries into their chosen CCO. The Medicaid Fiscal Agent provides some specific services of an enrollment broker to accomplish these tasks.

III. BASE DATA DEVELOPMENT

This section of the report describes the development of the base data used for the preliminary SFY 2023 MississippiCAN capitation rates.

METHODOLOGY OVERVIEW

For the SFY 2023 capitation rates, CY 2019 experience forms the primary base data. For smaller MississippiCAN populations that were not credible based on CY 2019 experience alone (using a threshold of 150,000 member months), we blended CY 2018 and CY 2019 experience to form the base data. The rate cells using two years of base period data are Foster Care, Breast and Cervical Cancer, Pregnant Women (including related delivery costs), SSI / Disabled Newborn, Non-SSI Newborns 0 to 2 Months, and MYPAC.

The base data for the SFY 2023 capitation rates was developed using the following steps:

1. Summarize eligibility, encounter claims, and financial claim data for CY 2019 MississippiCAN enrollees.
2. Summarize eligibility, encounter claims, and financial claim data for CY 2018 MississippiCAN enrollees. This information is only used for low-credibility rate cells.
3. Summarize Q1 to Q3 2018 FFS and encounter data for the MYPAC rate cell. This data is then adjusted to be on a CY 2018 basis.
4. Blend 2018 and 2019 data (if applicable).

Each of the steps above is described in detail in the remainder of this report.

Exhibit 11 contains databooks summarizing encounter data for CY 2018 and CY 2019 for all rate cells except MYPAC. For MYPAC, the databooks include the same metrics summarized from FFS for Q1 to Q3 2018 and encounter data for CY 2019.

- Exhibit 11A and Exhibit 11E summarize total paid amounts for each MississippiCAN rate cell.
- Exhibit 11B and Exhibit 11F summarize PMPM paid amounts for each MississippiCAN rate cell.
- Exhibit 11C and Exhibit 11G summarize the percentage of total paid amounts within each specific service grouping for each MississippiCAN rate cell.
- Exhibit 11D and Exhibit 11H summarize utilization and average charge for services within the inpatient and pharmacy categories of service for each MississippiCAN rate cell. Utilization metrics for other categories of service are not shown in these exhibits due to differences in reporting methods for utilization metrics by the CCOs in the encounter data.

Please note, the total and PMPM costs shown in the 2019 databook tie to the starting totals on Exhibit 1A, excluding missing data. However, the 2018 databook values will not tie exactly to the starting totals on Exhibit 1B, since Exhibit 1B blends region-specific PMPM values using regional membership distributions from the 2019 enrollment data, whereas the 2018 databook uses the actual distribution by region seen in 2018 enrollment.

Step 1: Summarize CY 2019 Data

A high-level description of the processing for eligibility, encounter claim data, and financial claim data for CY 2019 MississippiCAN enrollees is included in this section. In addition, any adjustments made to the raw data are discussed in this section and shown in Exhibit 1A. Please refer to Appendices A and B of this report for additional information on the validation and processing of these data sources.

For SFY 2023 rates all CY 2019 data and data adjustments were restated using the most recent available eligibility and claims data compared to the CY 2019 data used in the development of SFY 2022 capitation rates.

Membership

Member months by rate cell and region in CY 2019 were summarized from the detailed Medicaid eligibility data, excluding populations not covered by MississippiCAN and individuals that opted out of the program (where applicable). These enrollment counts were validated against enrollment information provided by the CCOs. In total, the enrollment in the eligibility files is 0.05% lower than reported by the CCOs.

Row (a) of Exhibit 1A includes the CY 2019 member months included in base data development. Note, the delivery components of the MA Adult and Pregnant Women rate cells use member months for the members in the underlying rate cell rather than delivery counts. The count of deliveries is included for informational purposes as a footnote in Exhibit 1A.

Claim Data

DOM and Milliman go through extensive data validation processes to review CCO submitted encounter data. DOM regularly monitors encounter claims compared to cash disbursement journals (CDJs) to ensure the timeliness and completeness of submitted encounters and works with Myers and Stauffer to identify the correct original or final claim to keep in each claim string. Milliman relied on this claim status identification process to remove duplicates and identify denied claims that are anticipated to be resubmitted and accepted, as described in Appendix B.

As part of rate development, Milliman requests financial reporting data from each CCO. This financial reporting data was reconciled to each CCO's 2019 audited NAIC financial statement. After several rounds of questions to clarify, adjust, and confirm understanding of the reported financial information, Milliman compared the encounter data to the financial reporting data, together for paid claims and subcapitated claims. This comparison excludes estimates for IBNR claims and adjusts for expanded services, pharmacy rebates and any other claims that were identified as missing from the processed encounter data. To align the financial templates and encounter data on a comparable basis we performed this reconciliation exercise using CY 2019 data with run-out through April 2020. We did not update this validation from the analysis performed for SFY 2022 capitation rates. Please refer to the SFY 2022 capitation rate report² for more detail on this analysis.

In this prior analysis the following items were noted:

- Overall, the paid amounts in the encounters reconcile reasonably well to the paid amounts shown in the CCO financial reporting for the MississippiCAN populations. Encounter data was 0.9% lower than financial data.
- At a category of service and rate cell level, there was a greater variance between encounter data and financial reporting due to inconsistencies in allocations between the three CCOs in the financial reporting. Therefore, we grouped the encounter data consistently for all CCOs using the Milliman *Health Cost Guidelines*TM (HCGs) grouper before using the encounter data as the base data.
- We observed larger discrepancies between encounter data for subcapitated services than for non-subcapitated services. Costs associated with subcapitated vendors account for approximately 8.6% of the financial reporting.

Encounter data for all three CCOs is combined to summarize CY 2019 claim experience for MississippiCAN enrollees. Row (b) of Exhibit 1A includes the CY 2019 total service costs from the encounter data. Row (c) converts the total service costs to a PMPM basis. Claim data is summarized with runout through August 2021. To reflect the differences between claims in the financial reporting and the encounter data, the financial to encounter data adjustments are applied on row (d) of Exhibit 1A. These adjustments increase CY 2019 base data to account for 50% of the difference between financial and encounter non-subcapitated services and 100% of the difference between financial and encounter subcapitated services.

The financial reporting expenditures for all CCOs were combined to perform the encounter validation outlined above, as well as to develop the following adjustments to apply to the encounter data:

- Adjustment of costs to account for provider settlements that would be paid or recouped outside the encounter data

² "Report08 - Updates to SFY 2022 MississippiCAN and CHIP Preliminary Capitation Rates.pdf," dated April 21, 2021

MILLIMAN REPORT

- Removal of pharmacy rebates collected by CCOs
- Addition of claims paid by the CCOs that are not yet reflected in the encounter system

Non-Covered Services

We excluded the value of expanded services exceeding CY 2019 service limits from the base data. These services, which totaled approximately 0.7% of CY 2019 MississippiCAN service costs, were removed from CY 2019 base data at the rate cell and region level of detail. Service limits do not apply up to age 21, thus, base period costs were not adjusted for these members.

The CCOs reported the costs of these services exceeding limits as part of CY 2019 financial reporting. However, due to significant variation by CCO and year, Milliman summarized the costs of services exceeding limits in the encounter data using the definitions provided by DOM, as detailed in Appendix B and Exhibit 20, rather than relying on costs as reported by CCOs.

For the purposes of this adjustment, we removed services that were enhanced relative to the state plan at the time of service. During CY 2019, state plan covered service limits to monthly pharmacy scripts and annual home health visits were increased. The expansion of these services is reflected as a separate program change adjustment applied on Exhibit 2A and described in Section IV.

The adjustment to remove non-covered services in CY 2019 is shown in Exhibit 1A in row (e).

Provider Reimbursement Adjustment

An adjustment was made to physician encounters to reflect the total provider settlements collected and paid by CCOs in CY 2019 as reflected in the CCO financial templates. These costs were converted to a percentage of base period physician costs and allocated across rate cell and region. These adjustments netted to a \$5.8 million increase to the physician category of service.

We similarly adjusted physician encounters by rate cell for enhanced payments paid by CCOs to primary care providers outside the encounter system in CY 2019. These claims totaled approximately \$1.6 million during CY 2019. Going forward these enhanced payments are expected to be included in the encounter data and not paid as a settlement.

Both adjustments sum to approximately a \$7.4 million increase in costs not reflected in CY 2019 encounters. The combined adjustment is shown on Exhibit 1A in row (f).

Zolgensma Carveout

On May 24, 2019, the FDA approved the drug Zolgensma, a gene therapy drug for children less than two years old with spinal muscular atrophy. Zolgensma will be carved out of capitation rates for SFY 2023, and the CCOs will be reimbursed outside of the capitation rate for costs associated with administering Zolgensma to approved members.

Zolgensma was administered to three patients in CY 2019 (all within the Non-Newborn SSI / Disabled rate cell) with expenses totaling approximately \$6.4 million. We removed these expenses from CY 2019 data in row (g) of Exhibit 1A.

Third Party Liability Recoveries

The CCOs provided Milliman with a summary of recoveries for TPL payments related to claims incurred from CY 2018 through CY 2020. Using CY 2018 data, Milliman calculated the portion of total CY 2018 TPL recoveries recovered after the end of CY 2018. We used this information in conjunction with TPL recoveries for claims incurred in CY 2019 and recovered through April 2021 to estimate CY 2019 recoveries not reflected in CY 2019 base data. DOM assumes these outstanding TPL recoveries will reduce ultimate CY 2019 CCO paid totals.

DOM additionally provided Milliman with a summary of CY 2019 TPL payments collected by DOM rather than the CCOs and not reflected in CY 2019 base data. We assume the CCOs will be able to avoid paying or recover similar additional amounts for claims incurred in SFY 2023 and removed these recovered amounts from the CY 2019 base data.

We removed the total TPL amounts across both sources as a percentage of total paid claims across all rate cells and categories of service from the CY 2019 base data. Across all rate cells, these TPL recoveries amounted to a 0.3% reduction to CY 2019 base data.

This adjustment is shown in Exhibit 1A in row (h).

5% Assessment - Provider Adjustment

During the development of SFY 2019 capitation rates, DOM learned that CCOs were not applying the 5% assessment on non-inpatient services consistently with DOM's payment methodology. DOM and Milliman worked closely with each CCO to identify the services and provider types to which the 5% assessment historically had been applied (or since had encounter data resubmitted to reflect recoupments of the 5% assessment), and which had not. We used this mapping to identify encounter claims in the CY 2019 base period data where the 5% assessment was not correctly applied.

Exhibit 12 includes the mapping of each service and provider type into the high-level category of service used for rate development. In addition, Exhibit 12 shows the percentage of base data identified where the 5% assessment was not applied in the CY 2019 encounter data, but should have been. The identified claims were then reduced by 5%, resulting in the adjustments across all rate cells at a category of service level shown in Table 5. These adjustments align CY 2019 encounters for all CCOs and all non-outpatient services with how the 5% assessment should have been applied.

An adjustment of 1.000 in Table 5 indicates that no change in provider reimbursement is expected as a result of implementing the 5% provider assessment, whereas an adjustment of 0.950 would indicate that the 5% provider assessment is applicable to all services within the category of service, but the assessment was not applied in the base period encounter data.

Table 5 MississippiCAN Capitation Rates 5% Assessment Adjustment by Category of Service	
Category of Service	5% Assessment Adjustment
Inpatient Hospital Services	1.000
Outpatient Hospital Services	0.998
Physician Services	0.993
Drug Services	1.000
Dental Services	0.986
Other Services	0.989
Total	0.997

Note, an adjustment of less than 1.000 is appropriate for outpatient hospital services, even though those services were exempt from the provider assessment effective July 1, 2018. The CCOs did not apply the assessment to certain services grouped into the outpatient hospital category of service that are reimbursed outside of the APC system, such as ambulatory surgical centers, during the base period. Therefore, we apply an adjustment to rates in this report to reflect the application of the assessment to those services.

The adjustment was calculated separately by rate cell, reflecting the mix of services and the applicability of the 5% provider assessment specific to the given population.

The inclusion of the 5% assessment on services not previously receiving the assessment is shown in row (i) in Exhibit 1A.

340B Pharmacy Pricing Adjustment

In CY 2019, some pharmacy claims dispensed by 340B-eligible providers were priced at an amount greater than the customary lesser-of pricing methodology used by the Medicaid program. This overpricing totaled approximately \$175,000 in CY 2019.

These costs were removed in row (j) of Exhibit 1A.

[IMD \(Institution for Mental Disease\) Stays Beyond 15 Days](#)

Per CMS regulations, services rendered at an IMD beyond 15 days in a given month for individuals aged 21 to 64 cannot be covered by Medicaid. CMS requires all non-covered IMD claims incurred by members and the enrollment records for those same months be removed from base data. The enrollment shown in row (a) of Exhibit 1A reflects the removal of these six member months. An additional adjustment was made to remove claims for these members in the impacted months, which totaled approximately \$51,000, from the CY 2019 encounter data.

This adjustment is shown in row (k) of Exhibit 1A.

[IMD Unit Cost Adjustment](#)

Some IMD stays for 15 days or fewer for individuals aged 21 to 64 will be covered under MississippiCAN effective July 1, 2019. We adjusted the unit cost for similar claims in the CY 2019 experience to use DOM's fee schedule for these services. These unit cost adjustments resulted in a cost increase of approximately \$33,000 in total.

This adjustment is shown in row (l) of Exhibit 1A.

[SSI Children Formerly Moved to FFS Due to PRTF Stay](#)

Beginning in October 2018, DOM moved certain SSI children from COE 001 to COE 005 due to a psychiatric residential treatment facility (PRTF) stay. In SFY 2023, these members will remain in COE 001 during their PRTF stay, and MississippiCAN CCOs will be responsible for expenses incurred during these stays.

We reviewed the CY 2019 data and found 22 members totaling 50 member months were moved to COE 005. The enrollment shown in row (a) of Exhibit 1A reflects the inclusion of these member months. An additional adjustment was made to add claims for these members in the impacted months to the Non-Newborn SSI / Disabled rate cell, which totaled approximately \$753,000, from the CY 2019 FFS data.

This adjustment is shown in row (m) of Exhibit 1A.

[Drug Services Rebate Adjustment](#)

An adjustment was made to pharmacy claims to reflect the average rebate collected by the CCOs in CY 2019 and not reflected in encounter data. Rebate costs were summarized by rate cell from the financial reporting. These rebates were then converted to a percentage of base period pharmacy costs and applied as a reduction to base period encounter pharmacy claims data at the regional level.

This adjustment is shown in Exhibit 1A in row (n).

[Missing Data Adjustment](#)

A separate adjustment was made to account for payments made by the CCOs that are not yet submitted to the encounter system or were denied due to a known issue with edits in the MMIS system. These claim amounts are not included in the detailed encounter data after the processing outlined in Appendix B.

Each CCO provided separate financial reporting and claim extracts to support and validate the amounts reported for claims not appearing in encounters. Milliman also performed a detailed review of the extracts to line the data up against the encounter data and remove any claims already included in the processed encounter data. The detailed claims extracts provided by the CCOs included splits by region and rate cell, which were used to allocate missing data on Exhibit 1A.

Overall, the base data is increased 0.03% on a PMPM basis for missing data. The aggregate adjustment for all missing data described above is shown in Exhibit 1A in row (o).

[IBNR Adjustment](#)

CY 2019 base data includes over 18 months of runout through August 2021. Based upon historical payment patterns we consider the base data to be complete and apply no IBNR adjustment.

This adjustment is shown in Exhibit 1A in row (p).

[Adjusted CY 2019 PMPM Costs](#)

Total 2019 base period PMPM costs by rate cell are shown in the final row of Exhibit 1A.

[Step 2: Summarize CY 2018 Data \(if Applicable\)](#)

For smaller MississippiCAN populations that were not credible based on CY 2019 experience alone (using a threshold of 150,000 member months), we used two years of base period data. These rate cells are the Foster Care, Breast and Cervical Cancer, Pregnant Women (including related delivery costs), SSI / Disabled Newborn, Non-SSI Newborns 0 to 2 Months, and MYPAC rate cells. The development of the CY 2018 base data for the MYPAC rate cell from FFS data is described in Step 3 below.

As the second year of base period data, we used CY 2018 eligibility and encounter data and applied similar adjustments from the SFY 2021 rates for program changes and trend between CY 2018 and CY 2019 to put the experience on a comparable basis to the CY 2019 base period data.

For SFY 2023 rates all CY 2018 data and certain data adjustments (non-covered services, IBNR, third party liability recoveries, utilization trend from CY 2018 to CY 2019, and the PRTF services adjustment) were restated using the most recent available eligibility and claims data compared to the CY 2018 data used in the development of SFY 2022 capitation rates.

Row (a) of Exhibit 1B includes the CY 2018 member months summarized from the detailed Medicaid eligibility data. As noted above, the delivery components of the Pregnant Women rate cells use member months for all members in the underlying rate cell rather than delivery counts. The counts of deliveries are included for informational purposes as a footnote in Exhibit 1B.

Row (b) of Exhibit 1B includes the CY 2018 total service costs from the encounter data. This data has been validated using the same process described above for the CY 2019 encounter data.

Row (c) converts the total service costs to a PMPM basis.

Rows (d) through (k) of Exhibit 1B adjust the CY 2018 base data costs and the factors in rows (l) through (u) of Exhibit 1B further adjust CY 2018 costs to a CY 2019 basis. All adjustments are described below.

[Non-Covered Services](#)

We excluded the value of expanded services exceeding CY 2018 service limits from the base data. These services, which totaled approximately 1.5% of CY 2018 MississippiCAN service costs, were removed from CY 2018 base data at the rate cell and region level of detail. Service limits do not apply to the children rate cells and, thus, base period costs were not adjusted for these members.

The CCOs reported the costs of these services exceeding limits as part of CY 2018 financial reporting. However, due to significant variation by CCO and year, Milliman summarized the costs of services exceeding limits in the encounter data using the definitions provided by DOM, as detailed in Appendix B and Exhibit 20, rather than relying on costs as reported by CCOs.

For the purposes of this adjustment, we removed services that were enhanced relative to the state plan effective for CY 2018. During CY 2019, some of these expanded services were incorporated into the state plan covered services. The expansion of these services are reflected as a separate program change below on Exhibit 1B (to put these services on a CY 2019 basis) and coverage changes from CY 2019 to SFY 2023 are adjusted for on Exhibit 2A.

This adjustment is shown in Exhibit 1B in row (d).

[Drug Services Rebate Adjustment](#)

An adjustment was made to pharmacy claims to reflect the average rebate collected by the CCOs in CY 2018 and not reflected in encounter data. Rebate costs were summarized by rate cell from the financial reporting. These rebates

MILLIMAN REPORT

were then converted to a percentage of base period pharmacy costs and applied as a reduction to base period encounter pharmacy claims data at the regional and rate cell level.

This adjustment is shown in Exhibit 1B in row (e).

Provider Reimbursement Adjustment

An adjustment was made to physician claims to reflect the total provider settlements collected by CCOs in CY 2018 and not reflected in the encounter data. These costs were converted to a percentage of base period physician costs and allocated across rate cell and region. These adjustments totaled approximately \$3.1 million in reduced CY 2018 physician expenses.

We similarly adjusted physician claims by rate cell for enhanced payments paid by CCOs to primary care providers outside the encounter system in CY 2018. These claims totaled approximately \$4.4 million during CY 2018.

Both adjustments netted to approximately a \$1.3 million increase in costs not reflected in CY 2018 encounters. The combined adjustment is shown on Exhibit 1B in row (f).

HPE Newborn Adjustment

Prior to 2019, hospital presumptive eligibility (HPE) newborns were covered by DOM temporarily (up to two months) until they were enrolled with a CCO. DOM paid for these members under FFS until they were enrolled with a CCO and then collected a recoupment from the CCO for these costs. This recoupment was paid outside of the encounter system. These costs totaled approximately \$700,000 in 2018, split across the SSI / Disabled Newborn and Non-SSI Newborns 0 to 2 Months rate cells. Services for these newborns were identified using a list of impacted newborns and enrollment months provided by DOM. DOM changed how claims for these members are processed, so this recoupment is reflected in the encounter system in the CY 2019 data developed in Step 1.

This adjustment is shown on Exhibit 1B in row (g).

IBNR Adjustment

CY 2018 base data includes over 30 months of runout through August 2021. Based upon historical payment patterns we consider the base data to be complete and apply no IBNR adjustment.

This adjustment is shown in Exhibit 1B in row (h).

5% Assessment - Provider Adjustment

As described in Step 1, some payments to providers by CCOs did not historically reflect the 5% assessment consistently with DOM's payment methodology. We applied a similar methodology to that applied in Step 1 to develop adjustments to reflect the overpayment of claims due to not applying the 5% assessment for CY 2018 claims, as shown in Table 6. These adjustments align CY 2018 encounters for all CCOs and all non-outpatient services with how the 5% assessment should have been applied.

Table 6 Mississippi Division of Medicaid 5% Assessment Adjustment by Category of Service	
Category of Service	5% Assessment Adjustment
Inpatient Hospital Services	1.000
Outpatient Hospital Services	0.996
Physician Services	0.984
Drug Services	1.000
Dental Services	0.961
Other Services	0.979
Total	0.992

MILLIMAN REPORT

The inclusion of the 5% assessment on services not previously receiving the assessment is shown in row (i) in Exhibit 1B.

5% Assessment - OPPS Adjustment

Based on discussions with the CCOs, we determined that some hospital outpatient spend during the first half of 2018 did not correctly reflect the application of the 5% assessment. We developed an adjustment to dampen these overpayments to 95% of the actual payment amounts, consistent with how these claims should have been paid.

Senate Bill 2836, signed into law April 12, 2018, "Exempts outpatient services from the 5% rate reduction established in Miss. Code Ann. § 43-13-117 (B)" effect July 1, 2018. As a result, the 5% assessment applied to hospital outpatient services is removed. We determined that CCOs correctly implemented this exemption from July to December 2018, so no additional adjustments were needed for that time period.

The adjustment developed for January to June 2018 is shown in row (j) of Exhibit 1B.

Third Party Liability Recoveries

DOM additionally provided Milliman with a summary of CY 2018 TPL payments collected by DOM rather than the CCOs and not reflected in CY 2018 base data. We assume the CCOs will be able to avoid paying or recover similar additional amounts for claims incurred in SFY 2023 and removed these recovered amounts from the CY 2018 base data.

We removed the TPL recovery amounts as a percentage of total paid claims across all rate cells and categories of service from the CY 2018 base data. Across all rate cells, these TPL recoveries amounted to a 0.1% reduction to CY 2018 base data.

This adjustment is shown in Exhibit 1B in row (k).

CY 2018 to CY 2019 Trends

Tables 7 and 8 show the annual utilization and unit cost trends applied to the CY 2018 adjusted experience data to put it on a CY 2019 basis. The CY 2018 experience is trended from the base period midpoint, July 1, 2018, to the midpoint of the second year of base data, July 1, 2019.

The overall adjustment for the given months of trend are shown in Exhibit 1B in rows (l) and (m).

Table 7
Mississippi Division of Medicaid
CY 2018 to CY 2019 Utilization and Unit Cost Trends

COS	SSI	Annualized Utilization Trend				Annualized Unit Cost Trend	
		Adults	Children	Delivery	MYPAC	Excluding MYPAC	MYPAC
Inpatient Hospital	2.00%	-1.00%	3.00%	1.00%	3.00%	0.00%	0.00%
Outpatient Hospital	2.00%	0.00%	1.00%	1.00%	1.00%	0.98%	0.98%
Physician	6.00%	0.00%	3.00%	0.00%	0.11%	0.12%	0.00%
Dental	-3.00%	-3.00%	-1.00%	0.00%	-1.00%	0.00%	0.00%
Other	6.00%	0.00%	3.00%	0.00%	3.00%	0.12%	0.12%

Table 8
Mississippi Division of Medicaid
Pharmacy Trends for CY 2018 to CY 2019

	SSI	MA	Children	Delivery
Annualized Utilization Trend	-0.50%	-0.50%	3.00%	1.00%
Annualized Unit Cost Trend	10.00%	9.50%	0.50%	9.50%

[PRTF Services Adjustment](#)

Historically, costs associated with member stays at PRTFs were carved out of the MississippiCAN program and covered under FFS. Members receiving these services maintained enrollment in MississippiCAN during their stay at a PRTF to allow for better coordination of care when members were discharged from a PRTF. Effective October 1, 2018, services received at a PRTF are covered under MississippiCAN, rather than under FFS. CY 2018 base data only contains three months of PRTF expenses, while CY 2019 base data contains a full year PRTF expenses.

Row (n) on Exhibit 1B adds nine months of PRTF expenses from FFS data to CY 2018 base data to put it on the same basis as CY 2019 costs.

[Preferred Drug List \(PDL\) Revisions](#)

Major updates are made to the state PDL annually and take effect on January 1 of each year. We estimated the impact of these changes using detailed modeling provided by Change Healthcare, who is contracted by DOM to regularly update and maintain the state PDL. The modeling provided by Change Healthcare included drug level analyses of expected utilization and cost shifts due to updates to the PDL on January 1, 2019, for the entirety of the Mississippi Medicaid program. We applied the change in allowed costs on a percentage basis by therapeutic class to MississippiCAN encounter data to develop program specific impacts of PDL revisions. Table 9 shows the estimated impact of PDL revisions. In our reliance on the PDL modeling performed by Change Healthcare we reviewed the output of the models for reasonableness, but did not audit their analyses.

Table 9 Mississippi Division of Medicaid PDL Adjustment	
Rate Cell Grouping	2018 to 2019
SSI	0.989
Adults	0.998
Children	1.003
Deliveries	0.999

The adjustment for CY 2018 to CY 2019 PDL revisions is shown in row (o) of Exhibit 1B.

[Increase to Medicaid-Covered Service Limits](#)

Effective January 1, 2019, the physician visit limit currently in place for certain adult populations was increased from 12 visits to 16 visits. CY 2019 base data thus includes the coverage of up to 16 physician visits per year, while CY 2018 base data only includes the coverage of up to 12 physician visits per year.

Milliman summarized the costs of physician visits 13 through 16, using the definitions provided by DOM as detailed in Appendix B, in CY 2018 encounter data. Row (p) on Exhibit 1B adds the cost of these visits to CY 2018 base data to put it on the same basis as CY 2019 costs.

Effective July 1, 2019, the home health limit for certain adult populations was increased from 25 to 36 visits per year and the pharmacy script limit per member per month was increased from five to six scripts. As a result, CY 2019 base data contains half a year with these increased service limits, while CY 2018 base data excludes these services entirely.

Milliman summarized the cost of annual home health visits 26 through 36 and the cost of the sixth monthly pharmacy script, using the definitions provided by DOM as detailed in Appendix B, in Q3 to Q4 2018 encounter data. Rows (r) and (q) on Exhibit 1B, respectively, add the cost of six months of these service increases to CY 2018 base data to put it on the same basis as CY 2019 costs.

Service limits do not apply up to age 21 and we made no adjustment for these members accordingly.

[OP Dental Reimbursement Change](#)

Effective July 1, 2019 a multiple discounting policy applies to dental procedures billed on a hospital outpatient claim to price the highest allowed dental procedure at 100% of the allowed amount or published fee and to price all subsequent

MILLIMAN REPORT

dental procedures at 25% of the allowed amount or published fee. As a result, CY 2019 base data contains half a year with this dental reimbursement change, while CY 2018 base data does not reflect this change at all.

We used simulations provided by Conduent that estimated the impact on outpatient dental claims to be a decrease of 58.1% from CY 2018 to July 1, 2021 as a result of this reimbursement change. This reduction was applied to only outpatient claims related to dental services. The resulting adjustment applied to all outpatient claims varies by rate cell according to the mix of dental versus other services in the outpatient service category.

Row (s) on Exhibit 1B applies this adjustment to six months of CY 2018 base data to put it on the same basis as CY 2019 costs.

NET Reimbursement Adjustment

Beginning in CY 2018, one CCO used a subcapitated vendor for NET services with considerably higher experience than the vendors used by other CCOs. In August 2019, that CCO switched to a different vendor with experience in line with that of other CCOs. For SFY 2023, this higher-cost vendor will not be used. As a result, CY 2019 base data contains five months of experience that reflect the lower cost for NET services that we anticipate going forward, while CY 2018 base data contains increased costs for the entire period.

We used NET data from the other CCOs to remove the impact of this higher cost vendor from the base data.

Row (t) on Exhibit 1B adjusts five months of CY 2018 base data to put it on the same basis as CY 2019 costs.

GME Carve Out

Effective October 1, 2019 all GME payments are made outside the DRG payment (rather than being paid per discharge) for utilization at applicable hospitals. As a result, CY 2019 base data contains three months of experience that reflect the exclusion of GME services, while CY 2018 base data contains GME expenses for the entire period.

DOM provided a split of historical GME payments made as part of the DRG payment on a SFY basis. We took the average of SFY 2018 and SFY 2019 CCO GME payments to estimate the GME amount paid in CY 2018 of \$23,448,991. Lastly, we compared the estimated CY 2018 GME to the CY 2018 inpatient costs to develop the adjustment to apply to inpatient services to remove GME from the capitation rates, as shown in Table 10.

Table 10 Mississippi Division of Medicaid GME Removal Adjustment Development		
CY 2018 GME	CY 2018 IP	GME Adjustment
\$23,448,991	\$472,689,188	0.950

Data for GME payments at a rate cell level was not available to calculate the adjustment at a more granular level. Since the adjustment is only applied to inpatient services, it will, however, have a bigger impact on rate cells with a higher proportion of inpatient services.

Row (u) on Exhibit 1B removes GME expenses from three months of CY 2018 base data to put it on the same basis as CY 2019 costs.

IMD Adjustments

Per CMS regulations, services rendered at an IMD beyond 15 days for individuals aged 21 to 64 cannot be covered by Medicaid. Additionally, Some IMD stays for 15 days or fewer for individuals aged 21 to 64 will be covered under MississippiCAN effective July 1, 2019. No applicable claims of either type occurred during CY 2018, so no IMD adjustments were made on Exhibit 1B.

Adjusted CY 2018 PMPM Costs

Total CY 2018 base period PMPM costs on a CY 2019 basis by rate cell (if applicable) are shown in the final row of Exhibit 1B.

Step 3: Summarize CY 2018 FFS and Encounter Data for MYPAC Members

Since the MYPAC rate cell is not credible based on CY 2019 experience alone (using a threshold of 150,000 member months), we used two years of base period data.

From January 2018 through September 2018, MYPAC members were enrolled in FFS Medicaid. Effective October 1, 2018, members with a SED waiver lock-in code were transitioned to the MississippiCAN program. Upon enrollment in MississippiCAN the count of MYPAC members significantly decreased from September 2018 to October 2018 and then rebounded to historical FFS levels in 2019. Therefore, the Q4 2018 encounter data may not be representative of the acuity level of anticipated SFY 2023 MYPAC members and is excluded from the base data.

The base data for the SFY 2023 MYPAC rate is comprised of FFS data for Q1 to Q3 2018 and MississippiCAN encounter data for CY 2019.

For SFY 2023 rates all CY 2018 data and certain data adjustments (non-covered services, IBNR, third party liability recoveries, utilization trend from CY 2018 to CY 2019, and the PRTF services adjustment) were restated using the most recent available eligibility and claims data compared to the CY 2018 data used in the development of SFY 2022 capitation rates.

Prior to October 2018, some MYPAC rate cell eligible members were enrolled in MississippiCAN for part of a month before receiving a SED lock-in code. For these members, some incurred claims during that month may have been reported as encounters from the CCOs. As these encounters represent valid claims for these individuals, we include these encounters with FFS data when developing the MYPAC base data.

Row (a) of Exhibit 1C includes the Q1 to Q3 2018 MYPAC member months included in capitation rate development.

Row (b) of Exhibit 1C includes the Q1 to Q3 2018 total claim costs from the FFS and encounter data.

Row (c) converts the total costs to a PMPM basis.

Rows (d) through (k) of Exhibit 1C adjust the CY 2018 base data costs and the factors in rows (l) through (q) of Exhibit 1C further adjust CY 2018 costs to a CY 2019 basis. All adjustments are described below.

Drug Services Rebate Adjustment

An adjustment was made to pharmacy claims to reflect the average rebate collected by the CCOs. Since no experience was available to develop an assumption specific to the MYPAC rate cell, we used the regional average rebate across all MississippiCAN rate cells from the financial reporting.

This adjustment is shown in Exhibit 1C row (d).

IBNR Adjustment

Q1 to Q3 2018 base data includes over 33 months of runout through August 2021. Based upon historical payment patterns we consider the base data to be complete and apply no IBNR adjustment.

This adjustment is shown in Exhibit 1C in row (e).

Third Party Liability Recoveries

DOM provided us with a summary of the aggregate TPL recoveries that are not reflected in the claims data. We summarized paid claims data by SFY for all Mississippi Medicaid FFS programs to develop a TPL adjustment factor, which averaged 0.80% in the most recent time periods. We assume that the CCOs will be at least as aggressive in capturing TPL recoveries as occurs in FFS, since they retain financial incentive to do so. Therefore, we used a downward adjustment of 0.80% to allowed costs in our capitation rate calculation.

This adjustment is shown in Exhibit 1C in row (f).

Q1 to Q3 2018 to CY 2018 Trends

As the data used for the MYPAC rate cell is for Q1 to Q3 2018, we applied an additional 1.5 months of trend to adjust the trend from the midpoint in the data (May 15, 2018) to the midpoint of CY 2018 (July 1, 2018). These trends match the annualized trends shown in Tables 7 and 8 above, but are applied for only the 1.5 month period.

The utilization and charge trends for the given months are shown in Exhibit 1C in rows (g) and (h), respectively.

5% Assessment - OPPS Adjustment

As discussed in Step 2 above, as of July 1, 2018, the 5% assessment was no longer applicable to outpatient hospital claims. The MYPAC base data includes six months of 2018 outpatient hospital data paid at the 95% level, and three months paid at the 100% level. The entire year of 2018 data contained three additional months paid at the 100% level.

The adjustment in row (i) of Exhibit 1C reflects the payment level that would have been present over the full CY 2018 compared to the nine months of data in the base data.

PRTF Services Adjustment

As noted in Step 2 above, services received at a PRTF are covered under MississippiCAN, rather than FFS, effective October 1, 2018. While the MYPAC rate cell uses FFS data for January to September 2018, claims for PRTF services were excluded from the underlying base data to be consistent with the MississippiCAN covered services for this time period. To put the Q1 to Q3 2018 experience on a CY 2018 basis it is appropriate to include PRTF costs for October to December 2018 once these services were moved to MississippiCAN. Thus, we adjusted the MYPAC data to include three months of PRTF services, estimated using actual PRTF services costs from January to September 2018.

This adjustment is seen in row (j) of Exhibit 1C.

MYPAC Seasonality Adjustment

The Q1 to Q3 2018 base data for the MYPAC rate cell includes claims for nine months, whereas the capitation rate will be effective for the entire SFY 2023 time period. Upon review of SFY 2017 and SFY 2018 MYPAC experience, we determined that MYPAC costs on a PMPM basis incurred throughout an entire SFY were approximately 1.1% lower than MYPAC costs incurred from January to September (after adjusting for trend and program changes). Table 11 displays the seasonal PMPM patterns by quarter for the MYPAC population for SFY 2017 and SFY 2018. Similar patterns were observed separately for each SFY. To calculate the seasonality to apply for Q4 the two SFYs were blended together to increase credibility.

Table 11 MississippiCAN Capitation Rates MYPAC Seasonality Factor Development MYPAC Costs - SFY 2017 and SFY 2018			
Step	Time Period	Member Months	Average PMPM
<i>A</i>	Q1	3,424	\$3,474.59
<i>B</i>	Q2	3,559	\$3,412.12
<i>C</i>	Q3	3,321	\$3,540.27
<i>D</i>	Q4	3,319	\$3,311.88
<i>e = member month-weighted total of a through d</i>	All	13,623	\$3,434.64
<i>f = member month-weighted total of a through c</i>	All Excluding Q4	10,304	\$3,474.18
<i>g = e / f</i>	Seasonality Factor		0.989

The seasonality adjustment is applied on row (k) of Exhibit 1C. Due to variance in seasonality factors year to year by category of service, the MYPAC seasonality factor was applied in aggregate across all service categories.

CY 2018 to CY 2019 Trends

Tables 7 and 8 above shows the annual utilization and unit cost trends applied to the CY 2018 adjusted experience data to put it on a CY 2019 basis. The CY 2018 experience is trended from the base period midpoint, July 1, 2018 to the midpoint of the second year of base data, July 1, 2019.

The overall adjustment of the given months of trend are shown in Exhibit 1C in rows (l) and (m).

PRTF Services Adjustment

As described in Step 2 above, costs associated with member stays at psychiatric residential treatment facilities (PRTFs) were historically carved out of the MississippiCAN program and covered under FFS. Effective October 1, 2018, services received at a PRTF are covered under MississippiCAN, rather than under FFS.

Row (n) on Exhibit 1C adds nine months of PRTF expenses to CY 2018 base data to put it on the same basis as CY 2019 costs.

Preferred Drug List Revisions

Major updates are made to the state PDL annually and take effect on January 1 of each year. As described in Step 2 above, we used a drug-level analysis from Change to estimate expected utilization and cost shifts due to updates to the PDL on January 1, 2019 for the entirety of the Mississippi Medicaid program.

The adjustment for CY 2018 to CY 2019 PDL revisions is shown in row (o) of Exhibit 1C.

OP Dental Reimbursement Change

As described in Step 2 above, a change in dental reimbursement policy effective July 1, 2019 resulted in a significant decrease to the cost of outpatient dental claims. As a result, CY 2019 base data contains half a year with this dental reimbursement change, while CY 2018 base data contains none of this change.

Row (p) on Exhibit 1C applies this adjustment to six months of CY 2018 base data to put it on the same basis as CY 2019 costs.

GME Carve Out

As described in Step 2 above, all GME payments are made outside the DRG payment (rather than being paid per discharge) for utilization at applicable hospitals effective October 1, 2019. As a result, CY 2019 base data contains three months of experience that reflect the exclusion of GME payments, while CY 2018 base data contains GME expenses for the entire period.

Row (q) on Exhibit 1C removes GME expenses from three months of CY 2018 base data to put it on the same basis as CY 2019 costs.

Adjusted CY 2018 PMPM Costs

Total CY 2018 base period PMPM costs for the MYPAC rate cell are shown in the bottom row of Exhibit 1C.

Step 4: Blend CY 2018 and CY 2019 Data (if Applicable)

For rate cells using two years of base period data, the final adjusted CY 2019 PMPM cost from Exhibit 1A is blended with the final adjusted CY 2018 PMPM cost from Exhibit 1B or 1C based on member months within each time period.

This final base period PMPM is shown in Exhibit 2A in row (a).

IV. PROJECTED SFY 2023 CAPITATION RATES

Many adjustments must be applied to the base period data to develop SFY 2023 capitation rates. This section describes the adjustments applied to the base period data described in Section III to develop SFY 2023 capitation rates. These adjustments are applied in nine steps:

1. Trend costs from base period to SFY 2023.
2. Apply adjustments for population, program, and reimbursement methodology changes.
3. Combine non-delivery costs and delivery costs for applicable rate cells.
4. Include an allowance for CCO non-service expenses.
5. Adjust rates to reflect differences in geographic area by rate cell.
6. Apply quality withhold.
7. Adjust for CCO specific risk scores (if applicable).
8. Retrospectively adjust for directed payments.
9. Calculate risk corridor settlements.

Step 1: Trend Costs from Base Period to SFY 2023

Starting with the blended base data developed in Section III, we apply trend adjustments to project the base period to SFY 2023. Below, we describe each trend adjustment shown on Exhibit 2A. The adjustments for non-pharmacy and pharmacy services are developed using differing methodologies and therefore described separately in this section.

Non-Pharmacy Trend Overview

Our general approach to trend development for non-pharmacy categories of service is to consider known recent changes in provider reimbursement, along with historical PMPM trend values. We then develop utilization / service mix trends that produce targeted PMPM trends. We utilize this approach because it is frequently difficult to directly measure changes in utilization for services other than inpatient hospital and pharmacy over time due to differences in counting utilization “units.”

Exhibits 7A to 7E include a historical trend summary of PMPM costs from January 2017 through December 2020 for each high-level population type and in total for the MississippiCAN program. This data has been normalized for the following to put it on a consistent basis across time:

- IBNR from the financial templates was added to the encounter data to review PMPM trends on a completed basis.
- Estimates of the impact of the following material program or reimbursement changes were removed for the applicable time periods. These changes are accounted for in separate adjustments in this report, and therefore, should not be included in data analyzed for trends.
 - Removal of Zolgensma claims
 - 5% assessment removal for OPPS services
 - Implementation of 5% assessment on non-OPPS services
 - OPPS reimbursement changes not related to the 5% assessment
 - PAD reimbursement changes
 - PDL changes
 - AAC pharmacy reimbursement changes
 - PRTF services
 - OP dental reimbursement change
 - GME carve out
 - NET reimbursement adjustment
 - Provider settlements
 - Financial to encounter adjustments
 - Emergency ambulance reimbursement increases

- PMPMs at a rate cell level were aggregated using December 2020 membership into higher level population groupings and MississippiCAN in total. This removes the impact of membership mix changes across rate cells over time on the aggregate PMPMs.
- Costs were adjusted for the MA Adult, MA Children, and Quasi-CHIP rate cells to remove the impact of average acuity changes resulting from membership changes.

As shown in Table 12, the annualized PMPM trends on a normalized basis for the MississippiCAN program averaged 3.1% from CY 2017 to CY 2019 prior to the beginning of the COVID-19 pandemic. Exhibits 7A through 7E show additional detail for the MississippiCAN program as a whole and each individual population grouping.

Table 12 MississippiCAN Capitation Rates MississippiCAN Annualized PMPM Trends January 2017 to December 2019		
Category of Service	CY 2017 to CY 2018	CY 2018 to CY 2019
Inpatient Hospital	3.4%	5.8%
Outpatient Hospital	0.1%	3.2%
Physician	2.1%	6.9%
Dental	-9.0%	-1.5%
Other	2.5%	7.1%
Non-Pharmacy Total	1.1%	5.1%

In addition, we carefully reviewed CY 2020 and emerging Q2 to Q3 2021 experience to understand to what level services have returned to pre-pandemic levels. We adjusted the emerging experience for the following:

- Similar to the values shown in Exhibits 7A through 7E and Table 12 we normalized for material program changes.
- We applied high level IBNR adjustment factors to the 2021 based on IBNR submitted by the CCOs in the 2021 emerging experience financial template to account for the fact that 2021 data is not complete (particularly Q3 2021).
- To remove the impact of seasonality we compared experience from 2019 to 2021 for similar calendar quarters.
- We removed emergency room, pharmacy, and dental services for all populations. We address emerging trends for each of these types of services separately, as outlined later in this section.

As shown in Table 13 there is variation by population type regarding the level of return of PMPMs to pre-pandemic levels:

- Non-Newborn SSI / Disabled: PMPMs had returned close to pre-pandemic levels in Q2 2021, but observed a decrease during Q3 2021 during the COVID-19 Omicron variant wave of infections in Mississippi.
- MA Adult: PMPMs have not yet returned to pre-pandemic levels, but have continued to increase back towards CY 2019 PMPMs throughout 2021.
- MA Children: Q3 2021 PMPMs have returned close to Q3 2019 levels. The significant increase in costs between Q2 2021 and Q3 2021 is driven by a spike in physician office visits in August 2021, likely driven by the beginning of the school year. Therefore, we do not expect to see continued upward cost increases at the same rate as that observed between Q2 2021 and Q3 2021.

Table 13
Mississippi Division of Medicaid
Recent Experience Excluding Emergency Room, Pharmacy, and Dental

Rate Cell	PMPM Costs ¹				Annualized Trends	
	Q2 2019	Q3 2019	Q2 2021	Q3 2021	Q2 2019 to Q2 2021	Q3 2019 to Q3 2021
Non-Newborn SSI / Disabled	\$617.45	\$620.25	\$615.31	\$579.85	-0.2%	-3.3%
MA Adult	\$283.91	\$290.94	\$261.69	\$271.75	-4.0%	-3.4%
MA Children	\$98.26	\$105.21	\$94.41	\$103.61	-2.0%	-0.8%

¹ PMPM costs reflect encounter data with runout through October 2021, completed using IBNR reported in CCO financial reporting.

Due to the continued dampened costs for all populations relative to where emerging 2021 experience would be expected to be given normal pre-pandemic trends, we are not applying full trends for the 42-month period between the mid-point of the base period, July 1, 2019, and the mid-point of the rating period, January 1, 2023. For application purposes we selected a number of years of utilization trend to apply between CY 2019 and SFY 2023, as shown in Table 14 below by population type.

In essence only applying utilization trend for a portion of the projection period acts as dampening the utilization trend applied for the full time period. However, to explain the rate change drivers shown in Table 2 and Exhibit 5 we applied the utilization trends as 0% for the first portion of the projection period and then selected utilization trends for the remainder of the projection period. For example, for the Non-Newborn SSI / Disabled rate cell we apply 0% trend for the first 30 months and selected utilization trend for the remaining 12 months.

Table 14 shows the resulting total PMPM change and annualized trends for the emerging 2021 experience and the adjustments from CY 2019 to SFY 2023. The selection of utilization and unit-charge trends for all services is detailed in the remainder of this step.

Table 14
Mississippi Division of Medicaid
Recent Experience Excluding Emergency Room, Pharmacy, and Dental

Rate Cell	Months of Utilization Trend Applied	Total PMPM Change					
		Actual Q2 2019 to Q2 2021	Actual Q3 2019 to Q3 2021	Projected CY 2019 to SFY 2023			
Non-Newborn SSI / Disabled	12 months	0.997	0.935	1.032			
MA Adult	0 months	0.922	0.934	0.998			
MA Children	12 months	0.961	0.985	1.032			
Rate Cell	Months of Utilization Trend Applied	Annualized PMPM Trend					
		Actual Q2 2019 to Q2 2021	Actual Q3 2019 to Q3 2021	Projected Q2 2021 to SFY 2023	Projected Q3 2021 to SFY 2023	Projected CY 2019 to SFY 2023	
Non-Newborn SSI / Disabled	12 months	-0.2%	-3.3%	3.2%	8.4%	0.9%	
MA Adult	0 months	-4.0%	-3.4%	4.8%	2.8%	-0.1%	
MA Children	12 months	-2.0%	-0.8%	8.6%	3.0%	0.9%	

Table 15 shows the selected annual utilization trends applied for the portion of the projection period shown in Table 14 above and Table 16 shows the annual unit cost trends applied to the adjusted base period data for all services except pharmacy services to put the data on a SFY 2023 basis. Table 23 shows the annual utilization and unit cost trends applied to the adjusted base period data for drug services.

For the MYPAC rate cell, utilization and unit cost trends for physician services are dampened relative to the trends shown in Tables 15 and 16 for other children rate cells to reflect the high proportion of physician services obtained through the MYPAC providers, for which flat utilization and unit cost trends were assumed.

Table 15
Mississippi Division of Medicaid
Selected Utilization Trends

COS	Annualized Utilization Trend				
	SSI	Adults	Children	Delivery	MYPAC
Inpatient Hospital Services	2.00%	-1.00%	3.00%	1.00%	3.00%
Outpatient Hospital Services	2.00%	0.00%	1.00%	1.00%	1.00%
Physician Services	6.00%	0.00%	3.00%	0.00%	0.11%
Dental Services	-3.00%	-3.00%	-1.00%	0.00%	-1.00%
Other Services	6.00%	0.00%	3.00%	0.00%	3.00%

Table 16
Mississippi Division of Medicaid
CY 2019 to SFY 2023 Unit Cost Trends (Annualized)

Rate Cell	Category of Service					
	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
Non-Newborn SSI / Disabled	-0.1%	-0.1%	1.3%	2.5%	0.0%	0.8%
Breast and Cervical Cancer	-0.1%	-0.2%	1.2%	2.5%	0.0%	0.6%
MA Adult	-0.1%	-0.1%	2.0%	3.0%	0.0%	0.6%
Deliveries - MA Adult	-0.1%	-0.1%	2.0%	3.0%	0.0%	0.6%
Pregnant Women	-0.1%	-0.2%	2.0%	3.0%	0.0%	0.6%
Deliveries - Pregnant Women	-0.1%	-0.2%	2.0%	3.0%	0.0%	0.6%
SSI / Disabled Newborn	-0.1%	0.0%	1.8%	1.5%	0.0%	1.1%
Non-SSI Newborns 0 to 2 Months	-0.1%	-0.1%	1.7%	1.5%	0.0%	0.6%
Non-SSI Newborns 3 to 12 Months	-0.1%	-0.2%	1.7%	1.5%	0.0%	0.6%
Foster Care	4.2%	-0.2%	1.7%	1.5%	0.0%	0.8%
MYPAC	1.0%	-0.2%	0.1%	1.5%	0.0%	0.6%
MA Children	1.1%	-0.2%	1.7%	1.5%	0.0%	0.6%
Quasi-CHIP	1.3%	-0.2%	1.7%	1.5%	0.0%	0.6%

The development of the trend assumptions in Tables 15 and 16 is described below.

Utilization Trend for Non-Pharmacy Costs

Utilization trend reflects expected changes in:

- Demand for medical services
- Intensity or mix of medical services
- Provider practice patterns
- Provider coding changes

The following data sources were used to develop the utilization trend assumptions.

- Encounter data and financial reporting experience for MississippiCAN members was reviewed to analyze PMPM and utilization trends by major service categories from CY 2017 through CY 2019. While we reviewed CY 2020 and Q1 through Q3 2021 experience, it was not directly used to select the trend assumptions applied for a portion of the projection period from CY 2019 to SFY 2023.
- Experience from similar programs in other states.

Dental services are excluded from Tables 13 and 14 above in reviewing emerging experience, but are summarized below in Table 17. We have continued to observe negative utilization trend over the past few years, even prior to the pandemic, as shown in Exhibits 7B through 7D. These trends are -8%, -17%, and -5% on an annualized basis from CY 2017 to CY 2019 for the SSI, Adult, and Children population groups, respectively. Therefore, we apply negative trends for the entire 42 month projection period from CY 2019 to SFY 2023 for all populations.

Table 17 Mississippi Division of Medicaid Recent Dental Experience						
Rate Cell	PMPM Costs ¹				Total Change	
	Q2 2019	Q3 2019	Q2 2021	Q3 2021	Q2 2019 to Q2 2021	Q3 2019 to Q3 2021
Non-Newborn SSI / Disabled	\$8.81	\$10.07	\$8.50	\$8.57	-3.6%	-14.9%
MA Adult	\$7.38	\$6.70	\$5.91	\$5.17	-20.0%	-22.8%
MA Children	\$24.17	\$27.79	\$20.63	\$23.45	-14.6%	-15.6%

¹ PMPM costs reflect encounter data with runout through October 2021, completed using IBNR reported in CCO financial reporting.

The adjustment resulting from these utilization trends is shown in Exhibit 2A in row (b).

Unit Charge Trends for Non-Pharmacy Costs

The hospital inpatient, hospital outpatient, physician, and dental Medicaid FFS fee schedules are updated on July 1 of each year consistent with the following sources. DOM does not mandate provider reimbursement levels other than to require that reimbursement be at least as great as FFS for network providers. We assume that CCO reimbursement levels will move in tandem with changes to FFS reimbursement. Pursuant to SB2799 that was passed into Mississippi law on April 19, 2021, changes in reimbursement after July 1, 2021 will require legislative action. HB657 was subsequently signed into law on April 19, 2022, allowing for changes in reimbursement rates as long as the payment methodology remains consistent. Based on direction from DOM we are modeling fee schedule changes for each service category as noted below. Coverage for new codes and prohibition for billing on discontinued codes is allowed. We assumed the net impact of these latter two issues will be budget neutral, but will reevaluate once data is available and adjust capitation rates if needed. Unless otherwise noted, the fee schedule changes for prior years remained unchanged.

- **Inpatient:** DOM reimburses hospital inpatient claims using an APR-DRG methodology based upon the 3M grouper and updated on July 1 of each year. For these services, consistent with SB2799, DOM is implementing no changes to reimbursement rates on July 1, 2021 or July 1, 2022. We continue to rely upon prior year simulations performed by Conduent to estimate reimbursement changes for prior time periods.

Since the original certification updates to the PRTF fee schedule occurred during SFY 2023. These reimbursement differences have been included in this revised certification. PRTFs are not paid using the APR-DRG methodology and instead rely on a separate fee schedule with per diem payment rates for each facility. To calculate the impact of payment rate changes between the base period and SFY 2023 we applied the increased payment rates for each facility to the applicable time periods. Please see Exhibit 15 for more information about the percentage of base period data impacted and the annualized trend applied as a result of these fee schedule updates.

Table 18 shows the assumed annualized inpatient charge trends from CY 2019 to SFY 2023 for all rate cells.

Table 18 Mississippi Division of Medicaid Inpatient Unit Cost Trends for CY 2019 to SFY 2023	
Population	Inpatient
All	-0.14%

- **Outpatient:** DOM reimburses hospital outpatient claims using the Medicare APC methodology and the Jackson area conversion factor and updated on July 1 of each year. For these services, consistent with SB2799, DOM is implementing no changes to reimbursement rates on July 1, 2021 or July 1, 2022. We continue to rely upon prior year simulations performed by Conduent to estimate reimbursement changes for prior time periods.

Since the original certification updates to home health and some ambulatory surgical center (ASC) service fee schedule occurred during SFY 2023. These reimbursement differences have been included in this revised certification. Fee schedule changes for home health and ASC services are also included in the outpatient service category. Table 19 shows the assumed annualized outpatient charge trends from CY 2019 to SFY 2023 for all rate cells. Similar to the process described above for PRTF, fee schedule changes for these services are reflected as a charge trend calculated by comparing the fee schedules in place during the base period and projection periods, weighted by the applicable procedure codes. Please see Exhibit 15 for more information about the percentage of base period data impacted and the annualized trend applied as a result of these fee schedule updates.

Table 19 Mississippi Division of Medicaid Outpatient Unit Cost Trends for CY 2019 to SFY 2023	
Population	Outpatient
All	-0.18%

- **Physician:** DOM formerly reimbursed many physician services as a percentage of Mississippi Medicare fee schedules and updated the FFS fee schedules on July 1 of each year for the Medicare fee schedule changes from January 1 of the given year. For these services, consistent with SB2799, DOM implemented no change to reimbursement rates on July 1, 2021, but is implementing a reimbursement change effective July 1, 2022.

Conduent performed a simulation of the impact of changes in the payment methodology effective July 1, 2022. Based on this analysis comparing projected SFY 2023 costs to SFY 2021 costs, we included unit cost trends ranging from approximately 4.2% to 7.0% by rate cell to physician services not associated with a FQHC or RHC. The majority of these increases are associated with evaluation and management codes, which received a large increase in the 2021 Medicare fee schedule. Note, the impact of these fee schedule changes was updated from the original certification due to a higher than anticipated impact of these reimbursement changes.

The per-encounter FQHC and RHC reimbursement is included in the MississippiCAN capitation rates to provide a steadier cash flow to the RHCs and FQHCs that serve the MississippiCAN population. The CCOs are expected to reimburse FQHCs and RHCs at DOM's per-encounter rates. DOM will monitor the utilization of services at FQHCs and RHCs under MississippiCAN to ensure services are not diverted from FQHCs and RHCs to other providers.

A 1.7% and 2.1% rate increase was implemented on FQHC and RHC per-encounter rates effective January 1, 2021 and January 1, 2022, respectively. In the CY 2019 base period experience approximately 12% of costs in the high-level physician category of service are for FQHCs and RHCs.

Table 20 below shows the combined physician unit cost trends incorporating the Conduent simulated changes, flat unit cost trends for services with no anticipated changes, and the appropriate trends for FQHC and RHC services.

Table 20 Mississippi Division of Medicaid Physician Unit Cost Trends for CY 2019 to SFY 2023	
Population	Physician
SSI	1.18%
Adult	2.01%
Children	1.69%

In addition to the physician unit costs trends included in Table 20, fee schedule changes for autism spectrum disorder (ASD), prescribed pediatric extended care (PPEC), and some ASC services are also included in the physician service category. These charge trends were calculated by comparing the CY 2019 payment rates with those in place during SFY 2023, composited based on the mix of services during CY 2019. See Exhibit 15 for additional details regarding the base period costs and applied trend.

- **Dental:** Dental reimbursement changes due to SB2799 and HB657 are incorporated as a separate adjustment to rates. We assume no additional changes to the dental fee schedule between the base period and SFY 2023.
- **Other:** Per SB2799, no changes will be implemented to the fee schedule effective July 1, 2021 or July 1, 2022, except for the services noted below which were updated during SFY 2023 and not included in the original certification:
 - Durable Medical Equipment (DME) / Medical Supplies
 - Private Duty Nursing (PDN)

To calculate the impact of the DME and PDN fee schedule change, we calculated the average change for each services type based on the Medicaid FFS payment rates and applied that to the total CCO payments, assuming that CCO payments increase by a proportional amount. See Exhibit 15 for additional details regarding the base period costs and applied trend.

Row (c) in Exhibit 2A includes the aggregate unit cost adjustment factors from CY 2019 to SFY 2023.

Emergency Services Savings Adjustment

Milliman has identified persistently dampened emergency service utilization since the beginning of the COVID-19 pandemic, as shown by Table 21.

Table 21 Mississippi Division of Medicaid Recent Emergency Room Experience						
Rate Cell	PMPM Costs ¹				Total Change	
	Q2 2019	Q3 2019	Q2 2021	Q3 2021	Q2 2019 to Q2 2021	Q3 2019 to Q3 2021
Non-Newborn SSI / Disabled	\$49.19	\$49.46	\$42.94	\$40.13	-12.7%	-18.9%
MA Adult	\$46.24	\$46.75	\$36.23	\$33.89	-21.6%	-27.5%
MA Children	\$14.54	\$14.32	\$12.09	\$12.18	-16.8%	-14.9%

¹ PMPM costs reflect encounter data with runout through October 2021, completed using IBNR reported in CCO financial reporting.

We expect this shift in member behavior to persist into SFY 2023, as it has not returned to pre-pandemic levels at the same rate as other categories of service. In addition, two of the three CCOs have implemented review protocols to ensure that the correct level of care was coded for emergency room visits. If the level of care coded was higher than warranted by the services, the CCOs have been working with the providers to adjust to the appropriate level prior to reimbursing the claim. Therefore, we project decreases to emergency service utilization relative to CY 2019 levels, as shown in Table 22 below for each population grouping.

Table 22 Mississippi Division of Medicaid Emergency Services Utilization Dampening	
Rate Cell Group	Emergency Service Dampening Applied
SSI+	10%
Adults	20%
Children	10%
Deliveries	0%

Milliman identified emergency services as the claims classified as “Emergency Room” or “ER Visits and Observation Care” as shown in Exhibit 11. We then dampened total outpatient and physician service costs based on the proportion of total CY 2019 claims in these categories, using the dampening factors by rate cell as shown by Table 22.

This adjustment is shown in row (d) on Exhibit 2A.

Prescription Drug Trends

We developed pharmacy trends using the following sources:

- **MississippiCAN-Specific Data** – We analyzed October 2018 to September 2021 pharmacy experience for the eligible population and developed utilization and cost summaries by brand and generic drug types for the 25 top therapeutic classes for non-specialty prescriptions, and the 25 top therapeutic classes for specialty prescriptions. We developed cost projections for CY 2019 to SFY 2023 using those summaries, giving consideration for script utilization per 1,000 increases and average script cost increases for brand, generic, and specialty drugs.

Considerations were made when reviewing prescription drug experience for the estimated impacts of changes in annual updates to the state's uniform PDL.

- **Industry Research** – We reviewed recent drug trend reports from PBMs to benchmark the prospective list price and utilization trends used in our detailed modeling of MississippiCAN-specific data. Additionally, we compared the nationwide trends in these PBM reports to recent trends in the MississippiCAN program by calculating the state-specific NADAC trends. These state-specific NADAC trends were estimated by creating a market basket of products from recent MississippiCAN drug encounters. Historical NADAC prices were applied to this fixed market basket to determine the historical unit cost trends for the MississippiCAN program.
- **FDA Drug Approvals** – When developing prospective drug trends, we consider the FDA approval of various new therapies. Some of the therapies we expect to have higher frequency and / or cost include:
 - Rethymic®
 - Cibinqo®
 - Voxzogo®
 - Ciltacabtagene autoleucel
 - Palovarotene
 - Filsuvez®
 - Balstilimab
 - Omidenepag
 - Penpulimab
 - Leqvio®
 - Somatrogen
 - Livmarli™
 - Tivdak™
 - Exkivity™
 - Skytrofa™
 - Comirnaty®
 - Nexvazyme™
 - Bylvay™
 - Vaxneuvance™

However, building explicit additional trend into capitation rates for these products is difficult due to a lack of information on expected pricing and uptake among the various populations. Therefore, we build in modest additional trend to reflect the addition of new approvals for each population. We note, the historical experience reviewed in trend development also reflects the impact of FDA approvals that were new during those periods.

Based on our analyses, we estimate annualized utilization and unit cost trends from CY 2019 to SFY 2023 shown in Table 23. Difference in aggregate trends by population in Table 23 are due to each population's mix of brand and generic products. The utilization trends shown in Table 23 include the indirect impact of the change in mix of products due to pure utilization trends. Unlike utilization trends for non-pharmacy services, we apply utilization trend for the full projection time period for pharmacy services.

Table 23 Mississippi Division of Medicaid Pharmacy Trends for CY 2019 to SFY 2023				
	SSI	Adult	Children	Delivery
Annualized Unit Cost Trends	2.62%	2.81%	1.26%	2.81%
Annualized Utilization Trends	3.67%	4.01%	1.99%	1.00%

CMS did not approve (per SB2799) the request to freeze pharmacy reimbursement as of July 1, 2021. Unit cost trends shown in Tables 23 and 24 thus include full anticipated unit cost trends from CY 2019 to SFY 2023.

When developing prospective drug trends, no consideration was given for expected brand to generic shifts. These shifts are reflected separately as a change in the state PDL.

Rows (b) and (c) in Exhibit 2A include the aggregate utilization and cost adjustments from CY 2019 to SFY 2023 for the drug services.

Additional information on the development of utilization and unit cost trends is summarized below. Exhibits 8A through 8C show the CY 2019 experience and prospective utilization and unit cost trends applied by therapeutic class at a generic, brand, and specialty level. This exhibit is shown separately by the high-level population groupings: SSI, Adult, and Children.

Unit Cost Trends

The cost per script trends are based on an analysis of historical MississippiCAN data from October 2018 to September 2021 repriced to NADAC plus the Mississippi Medicaid dispensing fees of \$11.29 per script for brand and generic scripts and \$61.14 for specialty scripts. We mapped NADACs from CMS by NDC and analyzed the annual trends using a fixed market basket of drugs from the pharmacy data by population type. Reviewing the trends for a fixed market basket of drugs helps to normalize for PDL changes that have been implemented over time, which are adjusted for separately in the capitation rate development.

Based upon the results of log-normal regressions, the unit cost trends were selected by population grouping and therapeutic class. If results were not informative for a given therapeutic class, the "Other Classes" trend assumption was used. Table 24 displays the aggregated unit cost trend across all therapeutic classes. The specific therapeutic class trends are included in Exhibits 8A through 8C.

Table 24 Mississippi Division of Medicaid Annualized Prospective Unit Cost Pharmacy Trends				
Generic	SSI	Adult	Children	Delivery
Traditional	-1.1%	-0.8%	-2.5%	-0.8%
Specialty	-3.3%	2.0%	0.0%	2.0%
Brand				
Traditional	3.5%	3.7%	3.1%	3.7%
Specialty	2.9%	3.6%	3.7%	3.6%

Utilization Trends

Similar to the unit cost trends, utilization trends were calculated using log-normal regressions for each population and therapeutic class. Given PDL changes over time, utilization trends were selected at a therapeutic class level in aggregate across brand and generic utilization. If results were not informative for a given therapeutic class, the "Other Classes" trend assumption was used. Table 25 displays the aggregated utilization trend across all therapeutic classes. The specific therapeutic class trends are included in Exhibits 8A through 8C.

Table 25 Mississippi Division of Medicaid Annualized Prospective Utilization Pharmacy Trends				
Generic	SSI	Adult	Children	Delivery
Traditional	-0.1%	-0.2%	0.4%	1.0%
Specialty	0.6%	7.9%	0.2%	1.0%
Brand				
Traditional	2.2%	2.0%	0.3%	1.0%
Specialty	8.1%	11.9%	10.2%	1.0%

As noted above, an indirect change in costs for pharmacy services is caused by changes in the mix of therapeutic classes induced by the pure utilization trends. This mix component of trends is shown in Table 26. The trends shown in Tables 25 and Table 26 comprise the total utilization trends applied.

Table 26 Mississippi Division of Medicaid Annualized Prospective Utilization Pharmacy Trends – Mix Component				
Generic	SSI	Adult	Children	Delivery
Traditional	-0.1%	0.3%	0.3%	0.0%
Specialty	-1.7%	-1.6%	-0.3%	0.0%
Brand				
Traditional	0.4%	-0.4%	0.2%	0.0%
Specialty	-0.4%	-2.4%	4.1%	0.0%

Step 2: Apply Adjustments for Population, Program, and Reimbursement Methodology Changes

The following adjustments are applied to reflect changes in expected costs due to changes between the base period and rating period.

- Population Changes: Change in the mix of individuals already enrolled in MississippiCAN
- Program Changes: Changes to populations and / or services included in MississippiCAN
- Reimbursement Methodology Changes: Updates to Medicaid FFS reimbursement methodologies (assumes a parallel impact on MississippiCAN reimbursement), or changes in CCO reimbursement

Exhibit 13 summarizes the program, population, and reimbursement changes discussed in this section, the impacted rate cells for each change, and where the change is reflected in the rate development.

COVID-19 Population Acuity Adjustment

Due to uncertainty surrounding the COVID-19 pandemic and resulting PHE, we indicated in the preliminary SFY 2023 capitation rate report that we would update the acuity adjustments applied to the MA Adult, MA Children, and Quasi-CHIP rate cells if actual SFY 2023 membership was materially different than what was assumed in the preliminary rate report. Analyses developed for prior MississippiCAN rates have shown population acuity decreases as membership increases, and thus, we wanted to account for significant differences between CY 2019 membership and SFY 2023 membership (and therefore member acuity) in the SFY 2023 capitation rates.

To determine the relationship between risk scores and membership, we observed the last four iterations of semi-annual risk scores spanning the two years preceding the COVID-19 pandemic. For each risk score update, we compared the change in risk scores and the change in membership during the six-month period. As shown in Exhibit 17, risk score increases strongly correlated with membership decreases and vice versa (generally less costly members exiting the program, or, conversely, lower cost members joining the program). We developed regression models to predict the change in risk score associated with the change in membership for each period. For our regression models, we assumed a power model of the form where the variables A and B are estimated constants.

$$(\text{Change in Risk Score}) = A \times (\text{Change in Membership})^B$$

We created two regression models, one using the experience of the MA Adult rate cell and a second model using the combined experience of the MA Children and Quasi-CHIP rate cells (these two populations are similar, and the Quasi-CHIP experience is not sufficiently credible to develop a regression model specific to that population). The resulting regression models had R^2 values of 0.67 and 0.54 for the MA Adult and MA Children / Quasi-CHIP rate cells, respectively. Please note, the regression models are consistent with those used for the SFY 2022 acuity adjustments.

We applied the regression models to determine acuity adjustments for these rate cells from CY 2019 to SFY 2023. The application of these models is detailed in Exhibit 17 and summarized in Table 27 below.

Table 27 Mississippi Division of Medicaid Summary of CY 2019 to SFY 2023 Acuity Adjustments		
Rate Cell	Membership Change	Acuity Adjustment
MA Adult	-4.6%	1.023
MA Children / Quasi-CHIP	-14.0%	1.031

The acuity adjustments for CY 2019 to SFY 2023 are positive given the decreases in membership during that time.

Exhibit 17 details the development of the population acuity adjustment.

Row (e) in Exhibit 2A shows the adjustment for the population acuity adjustment.

Postpartum Coverage Extension

Per SB 2212, postpartum coverage extends from 60 days to 12 months effective April 1, 2023. Previously, at 60 days postpartum individuals in the Pregnant Women rate cell had their Medicaid eligibly redetermined and unless they had a qualifying reason to remain in Medicaid (such as meeting eligibility qualifications for the MA Adult rate cell) the member was disenrolled from MississippiCAN. Going forward this redetermination will not occur until the end of the 12 months of postpartum coverage. For SFY 2023, this only affects a subset of members that had postpartum coverage as of April 1, 2023.

While this program change has the largest impact on the Pregnant Women rate cell, other rate cells are also expected to have minor increases in enrollment due to extending the time until eligibility redetermination to 12 months postpartum (i.e., if someone would have been disenrolled during their annual redetermination they now will remain for the additional months until 12 months postpartum). We reviewed the impact of the coverage extension on all rate cells in the MississippiCAN program and believe the PMPM impact is minimal and did not include an adjustment for any rate cell except for the Pregnant Women rate cell, given its unique eligibility requirements and historical enrollment patterns. The projected membership in Exhibit 3 includes the impact of extending postpartum coverage for all rate cells.

While this program change will add membership and service costs to the Pregnant Women rate cell, these additional months of coverage are expected to be lower on a PMPM basis than the costs included in the CY 2019 base data. We developed separate adjustments to apply to the non-delivery costs and delivery costs included in Exhibit 2A.

- **Non-Delivery Costs:** The estimated PMPM for months 3 through 12 postpartum was developed by reviewing the relativity of the PMPMs for postpartum months 1 and 2 compared to months 3 through 12 for individuals that had a delivery while in the MA Adult rate cell in the blended CY 2018 and CY 2019 base data. We then applied this relativity to the PMPM cost for postpartum months 1 and 2 for the Pregnant Women rate cell in the blended CY 2018 and CY 2019 base data.
- **Delivery Costs:** Additional delivery costs will not be incurred for the additional months of membership added to the Pregnant Women rate cell. Therefore, we dampen the delivery cost PMPM to spread across the increased membership basis.

Exhibit 16 demonstrates the development of the population change factors.

Row (f) in Exhibit 2A shows this adjustment.

Addition of ASD Services

Starting in January 2017, MississippiCAN began offering additional screening and treatment services for MississippiCAN members with autism spectrum disorder (ASD). The ramp up of these services has been slow, while a provider network is established to handle the additional services. To help establish the necessary providers for these services a \$438.6(c) directed payment was first introduced in SFY 2020 MississippiCAN capitation rates to establish a minimum fee schedule on ASD services effective July 1, 2019. In addition, DOM updated the Medicaid FFS fee schedule for certain ASD services effective July 1, 2019.

ASD expenses totaled approximately \$580,000 in CY 2019. However, monthly costs for ASD services increased throughout the year and into CY 2020 after the implementation of the fee schedule increase and directed payment. We anticipate expenses for ASD services will stabilize near the levels seen in Q4 2019 to February 2020. We increased costs for ASD services in the SFY 2023 capitation rates by approximately \$220,000 to bring CY 2019 expenses up to this higher level of monthly costs. Given the impact of COVID-19 we were not able to review more recent data to estimate the ultimate level of services. We calculated adjustments to include the additional costs for these services by allocating the estimated costs between the Non-Newborn SSI / Disabled, Foster Care, MA Children, and Quasi-CHIP rate cells proportional to CY 2019 ASD claims for these members.

Row (g) in Exhibit 2A shows the adjustment for these additional costs.

The SFY 2023 ASD preprint is expected to be approved by CMS and the adjustment made in this report is consistent with the information included in that preprint.³

Increase to Medicaid-Covered Service Limits

Effective July 1, 2019, the pharmacy script limit per member per month was increased from five to six scripts and the home health limit for certain adult populations was increased from 25 to 36 visits per year.

Milliman summarized the cost of annual home health visits 26 through 36 and the cost of the sixth monthly pharmacy script, using the definitions provided by DOM as detailed in Appendix B, in Q1 to Q2 2019 encounter data.

Service limits do not apply up to age 21, and thus, costs were not adjusted for these members.

An adjustment reflecting these service limit increases is shown in Exhibit 2A in rows (h) and (i).

Preferred Drug List (PDL) Revisions

Updates are made to the state PDL annually and take effect on January 1 of each year. We estimated the impact of these changes using detailed modeling provided by Change Healthcare, who is contracted by DOM to regularly update and maintain the state PDL. In our reliance on the PDL modeling performed by Change Healthcare, we reviewed the output of the models for reasonableness, but did not audit their analyses.

The modeling provided by Change Healthcare included drug-level analyses of expected utilization shifts and resulting changes to pharmacy expenditures on a gross of rebate basis. This modeling uses data from both FFS and MississippiCAN populations, so we cannot directly use the output for rate development. Therefore, we applied the change in gross costs on a percentage basis by therapeutic class to MississippiCAN encounter data to develop program-specific impacts of PDL revisions. Separate PDL adjustments were developed for each population to account for the different mix of drugs used for each group.

Table 28 shows the estimated impact of PDL revisions. The CY 2019 to CY 2020 PDL changes shown below include the impact of significant May 2020 PDL changes in addition to January 2020 PDL changes. The full adjustment applied is a combination of the PDL changes from CY 2019 to SFY 2023.

³ This preprint is filed under the CMS control name "MS_Fee_Oth_Renewal_20220701-20230630"

Table 28 Mississippi Division of Medicaid PDL Adjustment			
Rate Cell Grouping	2019 to 2020	2020 to 2021	2021 to 2022
SSI	0.950	1.004	0.994
Adults	0.960	1.005	0.994
Children	0.965	1.006	0.977
Deliveries	0.993	1.001	1.000

PDL changes effective January 1, 2022, were minor and only impacted five therapeutic classes. Table 29 displays all five classes and outlines the shifting assumptions modeled by Change Healthcare for each class.

Table 29 Mississippi Division of Medicaid January 2022 PDL Adjustments					
Therapeutic Class	Utilization Shifts To	Utilization Shifts From	Modeled Shift	Estimated Increase (Decrease) in Gross Costs	% of Total PDL Change
ADHD AGENTS - AMPHETAMINES	GENERIC ADDERALL XR	VYVANSE CAPSULES VYVANSE CHEWABLE DYANAVEL XR	20% 10% 10%	(16.2%)	105.8%
MS AGENTS - TECFIDERA	DIMETHYL FUMARATE	TECFIDERA	90%	(83.3%)	6.7%
GOUT AGENTS	COLCHICINE TABLETS	COLCHICINE CAPSULES	90%	(75.4%)	5.0%
OPHTHALMICS - BRIMONIDINE	ALPHAGAN P	BRIMONIDINE	50%	16.1%	-0.4%
DERM – ATOPIC DERMATITIS	ELIDEL	PIMECROLIMUS	50%	52.0%	-17.0%

The shifting assumptions developed by Change Healthcare are meant to reflect the best estimate for how utilization will shift as certain products change preferred status effective January 1, 2022, recognizing that a full shift will not happen immediately. The estimated change in gross cost assumes the ultimate modeled shift shown in Table 29 is achieved two quarters after the PDL changes take effect and therefore, the January 2022 PDL updates will be applicable to all of SFY 2023.

The adjustment for PDL revisions is shown in row (j) of Exhibit 2A.

OP Dental Reimbursement Change

Effective July 1, 2019, a multiple discounting policy applies to dental procedures billed on a hospital outpatient claim to price the highest allowed dental procedure at 100% of the allowed amount or published fee and to price all subsequent dental procedures at 25% of the allowed amount or published fee.

We used simulations provided by Conduent that estimated the impact on outpatient dental claims to be a decrease of 58.1% from Q1 and Q2 2019 to July 1, 2022, as a result of this reimbursement change. This reduction was applied to only outpatient claims related to dental services. The resulting adjustment applied to all outpatient claims varies by rate cell according to the mix of dental vs. other services in the outpatient service category.

This adjustment is shown in row (k) on Exhibit 2A.

NET Reimbursement Adjustment

In CY 2019, two CCOs used a specific subcapitated vendor for NET services. By SFY 2023, both CCOs had transitioned to a far lower cost NET vendor. As a result, CY 2019 base data contains experience that reflects a higher cost of NET services than we anticipate in SFY 2023.

MILLIMAN REPORT

One of these CCOs transitioned to the lower cost vendor in August 2019, while the other transitioned to the lower cost vendor in September of 2021. As a result, seven months of CY 2019 experience for the first CCO and 12 months of CY 2019 experience for the second CCO reflect a higher cost of NET services than we anticipate for SFY 2023.

We used NET costs as reported in the CCO financial templates following the NET vendor transitions to remove the impact of this higher cost vendor from CY 2019 data.

This adjustment is on Exhibit 2A in row (l).

GME Carve Out

Effective October 1, 2019, all GME payments are made outside the DRG payment (rather than being paid per discharge) for utilization at applicable hospitals. Thus, CY 2019 base data contains nine months of GME expenses that will not be incurred by the CCOs in SFY 2023.

DOM provided a summary of historical GME payments made by the CCOs from January through September 2019. As shown in Table 30, we calculated CY 2019 GME costs as a percentage of inpatient costs to remove GME from the capitation rates.

Table 30 Mississippi Division of Medicaid GME Removal Adjustment Development		
CY 2019 GME	CY 2019 IP	GME Adjustment
\$18,380,362	\$490,956,473	0.963

Data for GME payments at a rate cell level was not available to calculate the adjustment at a more granular level. Since the adjustment is only applied to inpatient services, it does, however, have a bigger impact on rate cells with a higher proportion of inpatient services.

The adjustment used to remove GME payments for inpatient services is shown in row (m) in Exhibit 2A.

Emergency Ambulance Payment Increase

Effective July 1, 2020, DOM increased reimbursement for emergency transportation services. This increase reimburses these services at 100% of the Medicare fee schedule, while these services were historically reimbursed at 70% of Medicare. We estimated the impact of this reimbursement change in SFY 2023 by applying the reimbursement change to emergency transportation services in CY 2019.

The adjustment to increase reimbursement for emergency transportation services is shown in row (n) in Exhibit 2A.

COVID-19 Vaccine Administration Expenses

Per CMS guidance, the cost of the COVID-19 vaccine for Medicaid recipients will be fully reimbursed by the federal government, and, thus, the CCOs will not be at risk for these costs. However, the CCOs will be responsible for expenses related to the administration of the COVID-19 vaccine. Consistent with DOM's provider bulletin issued on March 15, 2021, these expenses are set equal to the Mississippi adjusted Medicare rate of \$35.87 for each vaccine dose. All services covered under the MississippiCAN program, including the COVID-19 vaccine administration fee, are subject to a minimum fee schedule of the FFS rate. This minimum fee schedule is set in accordance with the provisions of §438.6(c). It is our understanding that this type of minimum fee schedule does not necessitate prior approval from CMS and no preprint is required.

To determine the count of members projected to receive a COVID-19 vaccination in SFY 2023, Milliman calculated the following, as shown by Exhibit 9:

- Starting vaccination rates within the MississippiCAN population. This was calculated as of December 1 using a list of vaccinated members provided by DOM.

MILLIMAN REPORT

- The percentage of Mississippians vaccinated as of early February 2022 using publicly available information accessed from Mississippi's Department of Health (DOH) website.
- The additional vaccinations needed for MississippiCAN vaccination rates to increase to statewide vaccination rates.
- Average doses per non-booster vaccination. Current CDC guidance recommends two dose vaccinations, so we assume two doses per vaccination.
- The percentage of vaccinated members who receive booster shots. Based on the same DOH data source noted above, Milliman determined that approximately 25% of vaccinated Mississippians eligible for a booster shot had also received a booster shot. Thus, for SFY 2023, we projected that 25% of all projected vaccinated members will also receive booster shots.
- Average doses per booster vaccination. We assume booster shots would be obtained twice yearly, and thus, assume two booster shots per member receiving a booster shot.
- Queries of MississippiCAN data have shown almost no expenses related to vaccine administration in CY 2021. We project that third parties will continue to incur much of the vaccine administration expenses in SFY 2023, and thus assume that 50% of vaccine administration expenses for MississippiCAN members will be paid by entities other than MississippiCAN CCOs.

Exhibit 9A shows the development of SFY 2023 vaccine administration costs PMPM for all MississippiCAN rate cells. Exhibit 9B details the statewide Mississippi data used to develop target assumptions, as noted above. Exhibit 9C illustrates the calculation for the COVID-19 vaccination component of the quality withhold.

Given the uncertainty surrounding COVID-19 vaccine availability and uptake rates, Milliman and DOM will monitor vaccination rates and adjust the methodology if necessary.

The COVID-19 vaccine administration expenses are shown in row (o) in Exhibit 2A.

Removal of 5% Assessment

Per SB2799 that was passed into law on April 19, 2021, the 5% rate reduction previously established in Miss. Code Ann. § 43-13-117 (B) will be removed from all providers. This exemption, effective July 1, 2021, results in an increase from a 95% payment rate to a 100% payment rate for those services previously eligible for the 5% assessment.

Exhibit 12 lists all services previously eligible for the 5% assessment. For each of these services not performed at a UMMC-affiliated provider (which had already been exempt from the 5% assessment), we re-priced the CY 2019 experience from the 95% payment rate to the 100% payment rate. The overall adjustments by category of service are shown in Table 31.

An adjustment of 1.000 in Table 31 indicates that no change in provider reimbursement between the base period data and rating period is expected as a result of implementing the removal of the 5% provider assessment whereas an adjustment of 1.053 ($=1.000 / 0.950$) would indicate the removal of the 5% provider assessment is applicable to all services within the category of service.

Table 31 MississippiCAN Capitation Rates 5% Assessment Removal Adjustment by Category of Service	
Category of Service	5% Assessment Adjustment
Inpatient Hospital Services	1.000
Outpatient Hospital Services	1.005
Physician Services	1.023
Drug Services	1.000
Dental Services	1.050
Other Services	1.038
Total	1.011

MILLIMAN REPORT

Additionally, the July 1, 2021 reimbursement increase for certain preventative and diagnostic dental services was capped at 5% of the prior payment rate, as described in the "Dental Reimbursement Change" section below. For these services, reimbursement was increased by 5% over the prior 95% payment rate to a new payment rate of 99.75% to comply with that requirement. Non-preventative and non-diagnostic dental services, along with all non-dental services, were increased from 95% to 100%.

The adjustment was calculated separately by rate cell, reflecting the mix of services and the applicability of the 5% provider assessment specific to the given population.

The removal of the 5% assessment is shown in row (p) in Exhibit 2A.

Preventative and Diagnostic Dental Reimbursement Change

Per SB2799 signed into law on April 19, 2021, DOM will increase the payment rate for preventative and diagnostic dental services by 5% effective July 1, 2021 and by an additional 5% effective July 1, 2022.

- **July 1, 2021 Dental Reimbursement Increase** – For dental services identified as preventative or diagnostic (defined as procedure codes D0100 through D1999) to which the 5% assessment were also applicable, the adjustment was already applied in the "Removal of 5% Assessment" section above. DOM provided guidance around how these two initiatives would be implemented.

For those preventative or diagnostic dental services not impacted by the 5% assessment, we determined the percentage of CY 2019 dental spend identified as diagnostic or preventative within each rate cell. We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on the preventative and diagnostic services with a 0% reimbursement adjustment on other dental services.

- **July 1, 2022 Dental Reimbursement Increase** – We determined the proportion of CY 2019 dental claims identified as preventative or diagnostic (defined as procedure codes D0100 through D1999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on preventative and diagnostic dental services with a 0% reimbursement adjustment on other dental services.

The cumulative preventive and diagnostic dental reimbursement change is shown in row (q) in Exhibit 2A.

Restorative Dental Reimbursement Change

Per HB657 signed into law on April 19, 2022, DOM will increase the payment rate for restorative dental services by 5% effective July 1, 2022. We determined the proportion of CY 2019 dental claims identified as restorative (defined as procedure codes D2000 through D2999.) We calculated the overall dental reimbursement change within each rate cell as a blend of a 5% reimbursement adjustment on the restorative services with a 0% reimbursement adjustment on other dental services, after adjusting for the preventative and diagnostic reimbursement changes discussed above.

The cumulative restorative dental reimbursement change is shown in row (r) in Exhibit 2A.

Immaterial Program, Population, and Reimbursement Methodology Changes

There are several program, population, and reimbursement changes between the base period experience and SFY 2023 that we did not build an explicit adjustment into rates for, given the projected budget neutral or immaterial impact. These changes are described below.

- **Dental and Orthodontic Reimbursement** – Effective March 1, 2019, the reimbursement methodology for dental and orthodontic services was revised to be the lesser of: a) The provider's usual and customary charge, b) A fee from the Mississippi Medicaid statewide uniform dental fee schedule in effect July 1, 2018, or c) The fiftieth (50th) percentile fee reflected in the 2019 National Dental Advisory Service (NDAS) Fee Report. Overall, this reimbursement change is expected to have an immaterial impact to dental reimbursement and no adjustment was made in the SFY 2023 capitation rates.

MILLIMAN REPORT

- **IMD Services** – Effective July 1, 2019, services provided at IMDs will be covered under MississippiCAN. Any material new utilization at these facilities is expected to represent shifting from general hospitals rather than new utilization in the system. No explicit adjustment is made for the additional utilization of these services in the SFY 2023 capitation rates. However, if long term stays transition from other facilities to IMDs we will revisit the materiality of the additional costs associated with these stays.
- **U&C Overpayments** – One CCO's PBM did not originally apply pharmacy reimbursement logic to account for usual and customary (U&C) pricing correctly. The CY 2018 encounter data supporting this report does not reflect the ongoing recoupments to correct this issue. We reviewed claims impacted by this and determined the impact of this overpayment on capitation rates was immaterial.
- **DRG Overpayments** – Similar to the U&C overpayments, one CCO applied a higher fee schedule than allowed for certain DRGs. The CY 2018 and CY 2019 claims impacted by this overpayment do not have a material impact on capitation rates.
- **ICORT Reimbursement changes** – per Medicaid State Plan Amendment (SPA) 20-0022 for Community Mental Health Services, DOM is revising the service definition and reimbursement for Intensive Community Outreach and Recovery Teams (ICORT) services effective April 1, 2021. We reviewed the fiscal estimates of this change and determined that the impact on capitation rates is projected to be immaterial.
- **MYPAC reimbursement changes** – DOM historically reimbursed providers for children receiving MYPAC services as a single combined payment on a per diem basis. Per guidance from CMS, the wraparound services and other ancillary therapeutic mental health services must be reimbursed separately effective July 1, 2021. Milliman estimates that these reimbursement changes will be budget neutral, and thus, are not including an adjustment for these reimbursement changes in capitation rates.
- **PAD rate freeze** – SB2799 stipulates all changes in reimbursement for any service after July 1, 2021 require legislative action. Consequently, DOM is required to freeze the unit cost for pharmacy products, including PADs, at the July 1, 2021 level. Milliman estimates that the impact of PAD unit cost freezing will have a negligible impact on unit cost trends for the physician category of service and thus are not adjusting trends to reflect this rate freeze.

Step 3: Incorporate Delivery Costs into MA Adult and Pregnant Women Rate Cells

Effective July 1, 2020, MississippiCAN no longer paid maternity deliveries using a kick payment methodology and instead included these costs in the MA Adult and Pregnant Women rate cells. To provide more transparency on this transition, we projected the costs historically covered by the delivery kick payment separately on Exhibits 1A, 1B, and 2A. These costs are also shown separately for the MA Adult and Pregnant Women rate cells. Exhibit 2B combines the costs for these deliveries into the MA Adult or Pregnant Women rate cell, as appropriate.

Step 4: Non-Service Expense Allowance

Administrative Expenses, Premium Tax, and Targeted Margin

The administrative allowance included in the capitation rate is intended to cover administrative costs, including the following:

- Case management
- Utilization management
- Claim processing and other IT functions
- Customer service
- Provider contracting and credentialing
- TPL and program integrity
- Member grievances and appeals
- Financial and other program reporting
- Local overhead costs
- Corporate overhead and business functions (e.g., legal, executive, human resources)

Exhibit 3 shows the build-up of the non-service expenses, comprised of the following components for SFY 2023:

- \$10.56 PMPM for fixed administrative costs
- 5.00% of non-MHAP revenue for variable administrative costs
- 1.80% of non-MHAP revenue for target underwriting margin and cost of capital
- 3.00% for the Mississippi premium tax

Table 32 displays the non-service expense allowance included in the SFY 2023 rates. All percentages of revenue are shown excluding MHAP and MAPS revenue, which are ultimately not at risk to the CCOs.

Table 32 Mississippi Division of Medicaid SFY 2023 MississippiCAN Non-Benefit Expenses		
	% of Revenue	PMPM
Fixed Costs ¹	2.14%	\$10.56
Variable Costs ²	5.00%	\$24.64
Premium Tax ²	3.00%	\$14.77
Margin ²	1.80%	\$8.86
Total	11.95%	\$58.82

¹ Included in the rate as a PMPM, equivalent % of revenue shown.

² Included in the rate as a % of Revenue, equivalent PMPM is shown.

The administrative expense allowance for SFY 2023 was developed by trending the fixed and variable allowances from SFY 2022 capitation rates (on a PMPM basis) by 3.0%. The 3.0% trend is based on a review of employment cost index (ECI) data and reflects expected changes in wages and other services that comprise a majority of administrative costs. We reviewed the CY 2020 administrative cost data submitted by the CCOs which also supports a trend of roughly 3.0% compared to the CY 2019 costs underlying SFY 2022 capitation rates.

The resulting SFY 2023 administrative costs, excluding taxes and fees, were compared to national benchmarks released by the Sherlock Company and Milliman's annual analysis of administrative costs for Medicaid managed care plans to ensure reasonability.

Step 5: Adjust for Geographic Area

CCO capitation payments will vary based on their members' county of residence. We assigned each county to one of the following regions (as defined in Appendix A): North, Central, or South. Table 33 shows the geographic area factor adjustments that are applied based on a beneficiary's region.

Table 33 Mississippi Division of Medicaid Area Factors			
Region	Area Factors		
	SSI	Adults and Deliveries	Children
North	0.913	0.944	0.982
Central	1.050	1.040	1.019
South	1.040	1.011	0.996

We developed the geographic area factors on a budget-neutral basis by blending projected claims PMPM across rate cell groupings weighted upon the statewide rate cell distribution for each region and reviewing the relative difference in PMPM cost for each region. We created three different rate cell groups (as shown in Table 4) to aggregate experience for similar rate cells, so that we could adequately reflect area factor differences among rate cells and still maintain credibility.

Exhibit 4 includes the resulting capitation rates for each region using these area factors.

Step 6: Adjust for Quality Withhold

Continuing in SFY 2023, a 1% quality withhold will be placed on capitation rates for the MississippiCAN program. The terms of the withhold arrangement are outlined in the contract with the CCOs. To earn back the withhold the CCOs must achieve HEDIS scores for the following conditions that are greater than or equal to 2.0% above the baseline HEDIS scores, with a percentage of the withhold assigned to each category. The benchmarks for SFY 2023 will be set based on the average of Magnolia and United's reported scores from calendar years 2019 and 2020, which are based on 2018 and 2019 claims, respectively.

Each of the following HEDIS measures will be used to earn back 10% of the quality withhold, for 70% total across all HEDIS measures:

- Well-Child First 30 months (W15 metrics impact the quality withhold; W30 is reporting only for SFY 2023):
 - Six or more visits for children 15 months of age
 - Two or more visits for children 30 months of age
- Immunization for Adolescents (IMA):
 - Combination 2: Meningococcal, Tdap, and HPV
- Anti-Depressant Management-Acute (AMM-AD):
 - Effective Acute Phase Treatment
- Prenatal and Postpartum Care (PPC-AD):
 - Timeliness of Prenatal Care
- Comprehensive Diabetes Care:
 - HbA1c Testing
- Adult and Children Asthma Control – Ages 5 to 64
- Adults Pharmacotherapy Management of COPD Exacerbation: Systemic Corticosteroid

DOM will be monitoring readmission rates reported as part of the QIPP in SFY 2023. For SFY 2023, this will be included as a scored metric for the quality withhold. DOM is requiring CCOs to improve their actual-to-expected potentially preventable hospital return (PPHR) rates by 2% compared to the baseline metrics from CY 2019 and CY 2020. This PPHR measure will be used to earn back 10% of the quality withhold.

In addition to the above HEDIS and QIPP measures, SFY 2023 rates include a COVID-19 vaccination requirement. DOM is requiring that 40% of MississippiCAN members aged 12 and older be vaccinated by the conclusion of CY 2022. Any children less than 12 years old will count towards the numerator, but not the denominator in calculating the MississippiCAN vaccination percentage. This COVID-19 vaccination measure will be used to earn back the final 20% of the quality withhold. Milliman believes that the 40% is reasonable using the definition outlined by DOM and include an illustrative calculation in Exhibit 9C.

If a CCO does not have sufficient data to consider its HEDIS scores credible, DOM will not hold the CCO liable for not meeting the measurement. In this case, the portion of the incentive withheld related to that measurement will be returned to the CCO. After discussions with DOM about the metric development and expectations, we believe that a return of 100% of the withhold is reasonably achievable by the CCOs.

Exhibit 4 includes the resulting capitation rates for each region net of the quality withhold.

Step 7: Adjust For CCO-Specific Risk Score (if Applicable)

[Risk Adjustment for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP Rate Cells](#)

The capitation rates for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rate cells will be further adjusted for each CCO using the combined Chronic Illness and Disability Payment System and Medicaid Rx risk adjuster (CDPS + Rx). Costs for the Breast and Cervical Cancer, Foster Care, and Pregnant Women populations are less variable, since they tend to utilize similar services across each population. In addition, some of the population sizes are too small from which to develop custom weights specific to the covered services and MississippiCAN reimbursement levels. Therefore, we do not risk adjust these populations. Since the risk adjustment is prospective, there is no historical diagnosis information from which to develop a risk score for newborns.

The CDPS + Rx risk adjuster will be used to adjust for the acuity differences between the enrolled populations of each CCO. Risk adjustment will be budget-neutral to DOM. This risk sharing mechanism is developed in accordance with generally accepted actuarial principles and practices.

To establish these risk scores, the CDPS + Rx risk adjuster will be run with risk weights consistent with services covered in MississippiCAN for the given time period. These risk weights are calculated using Mississippi FFS and encounter data for the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP populations. In addition, a beneficiary must have at least six months of eligibility in the data year to be scored. If a beneficiary does not have enough data, they will receive a score based on demographic information, such as age and gender. We will monitor the percentage of CCO enrollees who are not scored and adjust the methodology if necessary.

Risk adjustment for SFY 2023 capitation payments will be based on CY 2021 or SFY 2022 FFS and encounter diagnosis data. Each CCO's adjusted risk factor will be prospectively set using April 2022 as a proxy for the enrollment for July 1, 2022 to December 31, 2022 and September 2022 as a proxy for the enrollment from January 1, 2023 to June 30, 2023. The planned schedule for risk score data sources and calculations is shown in Table 34. In light of the COVID-19 pandemic, the diagnosis and enrollment dates stated below may change. We will continue to monitor the development of this pandemic and adjust these dates as needed.

Table 34 Mississippi Division of Medicaid CCO Capitation Rate Risk Adjustment Schedule SFY 2023 Capitation Payments			
Rate Cell	Capitation Payments	Diagnosis Source Data	Enrollment Source
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	July 2022 to December 2022	CY 2021 FFS and Encounters with runout through April 2022	April 2022
Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP	January 2023 to June 2023	June 2021 to May 2022 FFS and Encounters with runout through September 2022	September 2022

[Risk Adjustment for the Foster Care Rate Cell](#)

Starting in SFY 2021, the Foster Care rate cell is concurrently risk adjusted. The Foster Care rate cell will be risk adjusted using a custom risk adjustment model that does not depend on the CDPS + Rx risk adjuster. After testing the predictive ability of several potential models, we determined the member's eligibility for either state or federal financial assistance was the most accurate indicator of the member's risk score. This status is captured by the money code field on DOM's enrollment records. Risk factors associated with a member's money code were estimated using CY 2018 and CY 2019 experience for the Foster Care rate cell, consistent with the data used to support the SFY 2022 capitation rates for this rate cell.

Unlike the other risk-adjusted populations, risk adjustment for the Foster Care rate cell will be applied concurrently. Starting in early 2020, we noticed material changes in the composition of each CCO's membership by eligibility group, reflecting changes to how members are assigned to CCOs by DOM. The change in member mix has persisted through early 2022. As such, prospectively estimating the mix of members for each CCO will likely not be feasible in SFY 2023.

Moreover, given the small size of the Foster Care rate cell, small fluctuations in membership could have a material impact on risk adjustment if applied prospectively. Therefore, we intend to concurrently risk adjust the Foster Care rate cell in SFY 2023.

[Application of Risk Scores](#)

A CCO's capitation rate will be determined based upon the following formula:

$$\text{CCO Capitation Rate} = \text{Base Capitation Rate} \times \text{CCO Normalized Risk Factor}$$

The base capitation rates are found in Exhibit 4.

The CCO normalized risk factor will equal the average risk factor across all beneficiaries that a CCO enrolls divided by the average risk factor for the rate cell's population. Regional risk scores will be normalized to ensure the risk adjustment process is revenue neutral across all CCOs.

[Step 8: Retrospective Directed Payments](#)

DOM will process the capitation rate adjustments for multiple directed payments outside of the monthly capitation rate payment system in the form of payments to the CCOs for the actual amount paid to providers and the associated premium tax impact related to these payments. We will calculate and certify adjusted CCO-specific capitation rates at the conclusion of SFY 2023. This recertification is expected to be completed by June 2024.

[MHAP Overview](#)

Concurrent with the inclusion of inpatient hospital services in MississippiCAN capitation rates effective December 1, 2015, MHAP was established. This program helps to ensure sufficient access to inpatient hospital services for the Medicaid population by including enhanced hospital reimbursement in the capitation rates.

MHAP is funded through a broad-based hospital assessment for facilities in Mississippi, state general revenues, and an intergovernmental transfer (IGT) for a facility in Memphis (located within a county contiguous to Mississippi). This provider assessment is outlined in Miss. Code Ann §43-13-145.

Per CMS's approval on January 12, 2018, beginning in SFY 2018 MHAP began to transition to directed payments according to the specifications and requirements of 42 CFR 438.6 et seq. Table 35 displays the two components of MHAP (FSA and QIPP) and the total dollars in each component from SFY 2021 to SFY 2023.

Table 35 MississippiCAN Capitation Rates MHAP Distribution by SFY			
SFY	MHAP FSA	MHAP-QIPP	Total MHAP
2021	\$317,886,793	\$215,224,163	\$533,110,956
2022	\$285,603,168	\$247,507,788	\$533,110,956
2023	\$313,053,124	\$288,100,478	\$601,153,602

[MHAP FSA](#)

For SFY 2023, a payment of \$313.05 million is included as a directed FSA on inpatient and outpatient claims that will be paid monthly outside the capitation rates.

The preliminary FSA amounts are shown in column (c) of Exhibit 18, consistent with the program design that 70% of the \$313.05 million will be paid for inpatient hospital services, and 30% will be paid for outpatient hospital services using projected SFY 2023 membership, with the exception of \$40.25 million which will be paid exclusively for outpatient hospital services. These calculations were performed across all MississippiCAN rate cells with each of the inpatient and outpatient FSA percentage impacts applied uniformly. This results in a larger proportion of the FSA funding included in rate cells with higher inpatient and outpatient utilization.

MILLIMAN REPORT

The estimated FSA is based on projected SFY 2023 membership and estimated inpatient and outpatient claim utilization. Due to actual vs. projected MississippiCAN membership and claim utilization, this estimated capitation adjustment may result in an overpayment or underpayment of the FSA in SFY 2023 if no adjustments are made. If membership and / or utilization is higher than expected, payments will be capped at the \$313.05 million funding amount. If membership and / or utilization is lower than expected, the final payments will be grossed up proportionally to meet the \$313.05 million funding amount. This reconciliation will be done on a PMPM basis at the end of SFY 2023, and the appropriate documentation will be provided to CMS.

The adjustments to capitation rates are consistent with the preprint⁴ approved by CMS for SFY 2023 on June 30, 2022 and amended⁵ on June 1, 2023.

The MHAP FSA additive adjustment is shown in column (c) in Exhibit 18. An additional allowance for premium tax on the MHAP FSA is included in column (d) in Exhibit 18.

MHAP QIPP

Beginning in SFY 2020, a quality incentive payment program (QIPP) will be a component of MHAP. Consistent with the preprint submitted to CMS, the QIPP will be paid as a uniform payment arrangement for SFY 2023. The goal of the QIPP is to utilize state and federal investments to improve the quality of care and health status of the Mississippi Medicaid population. The QIPP is envisioned to be a multi-year process with an increasing percentage of the payments linked to performance improvements achieved and maintained by the hospital industry.

For SFY 2023, the QIPP will consist of approximately \$288.10 million, which will be paid outside of the capitation rates on a quarterly basis. DOM will determine the payments made to facilities based on agreed upon performance measures. Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2023 to include a QIPP PMPM for each CCO, which will include a provision for premium tax.

The adjustments to capitation rates are consistent with the preprint approved by CMS for SFY 2023 on June 30, 2022.

The MHAP QIPP additive adjustment is shown in column (e) in Exhibit 18. An additional allowance for premium tax on the MHAP QIPP is included in column (f) in Exhibit 18.

TREAT Program

Beginning July 1, 2022, emergency ambulance reimbursement will be increased consistent with a \$438.6(c) directed payment for eligible providers. Payments for the TREAT program are estimated to be \$14.7 million for SFY 2023 and will be paid outside the capitation rate as a uniform payment arrangement.

Capitation rates will be retroactively adjusted once actual membership and utilization is known for SFY 2023 to include a TREAT PMPM for each CCO, which will include a provision for premium tax. The adjustments to capitation rates are consistent with the preprint⁶ that was approved by CMS for SFY 2023 on July 26, 2023.

The TREAT additive adjustment is shown in column (g) in Exhibit 18. An additional allowance for premium tax on the TREAT payments is included in column (h) in Exhibit 18.

Mississippi MAPS Program

Beginning in SFY 2020, the Mississippi Medicaid Access to Physician Services (MAPS) program will enhance payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital. The term "qualifying hospital" means a Mississippi state-owned academic health science center with a Level 1 trauma center, Level 4 neonatal intensive care nursery, an organ transplant program, and more than a four hundred (400) physician multispecialty practice group.

⁴ This preprint was approved on June 30, 2022 under the CMS control name "MS_Fee_IPH.OPH_Amend_20220701-20230630"

⁵ This preprint amendment was approved on June 1, 2023 under the CMS control name "MS_Fee_IPH.OPH_Amend2_20220701-20230630"

⁶ This preprint was approved on July 26, 2023 under the CMS control name "MS_Fee_Oth_New_20220701-20230630"

DOM will require that CCOs provide the same supplemental percentage increase, equal to 58.8% of Medicare rates, to all qualifying providers. Payments in SFY 2023 are expected to be \$38,018,361. Similar to MHAP, capitation rates will be retroactively adjusted for SFY 2023 to include a MAPS PMPM including a provision for premium tax for each CCO and rate cell based on actual membership and utilization. The appropriate documentation will be submitted to CMS at the time of this retroactive adjustment.

This program is being made under a §438.6(c) payment arrangement consistent with the preprint⁷ approved by CMS for SFY 2023 on August 22, 2022.

The MAPS additive adjustment is shown in column (i) in Exhibit 18. An additional allowance for premium tax on the MAPS is included in column (j) in Exhibit 18.

Step 9: Calculate Risk Corridor Settlements

DOM will implement a symmetrical risk corridor to address the uncertainty of medical costs given the COVID-19 pandemic for SFY 2023.

The capitation rates in this report reflect a target medical loss ratio (MLR), which measures the projected medical service costs as a percentage of the total capitation rates paid to the CCOs. The risk corridor would limit CCO gains and losses if the actual MLR is different than the target MLR. Table 36 summarizes the share of gains and losses relative to the target MLR for each party.

Table 36 Mississippi Division of Medicaid Proposed Risk Corridor Parameters		
MLR Claims Corridor	CCO Share of Gain / Loss in Corridor	DOM Share of Gain / Loss in Corridor
Less than Target MLR -2.0%	0%	100%
Target MLR -2.0% to Target MLR +2.0%	100%	0%
Greater than Target MLR +2.0%	0%	100%

For the purposes of the SFY 2023 risk corridor, a different definition of MLR will be used than the Federal MLR definition.

Exhibit 19 illustrates the calculation of the target MLR for each CCO. The final target MLR will vary for each CCO and will depend on several currently unknown factors, including the final risk scores for each risk-adjusted rate cell and the results of the final settlements for MHAP and MAPS. To ensure continued quality incentives, we assume that 100% of the quality withhold will be returned for the calculation of the target MLR. **Exhibit 19 does not reflect the actual target MLR to be used for any CCO, but is shown for illustrative purposes.** Moreover, Exhibit 19 does not reflect regional variations in capitation rates and risk scores (for applicable rate cells), which will be considered in the final risk corridor calculation. More detailed templates will be provided to the CCOs demonstrating the actual calculation to be used when developing risk corridor settlements.

The risk corridor will be implemented using the following provisions:

- Actual and target MLRs will be calculated separately for each CCO based on their actual enrollment mix.
- The numerator of each CCO's actual MLR will include state plan covered services incurred during the period of SFY 2023 with payments made to providers as defined in Exhibit C of the CCO Contract, including fee for-service payments, subcapitation payments, and settlement payments. Non-covered services will be removed from the numerator.
- Payments and revenue related to MHAP and MAPS will be included in the numerator and denominator of each CCO's actual MLR.
- Adjustments to revenue and claims resulting from the MLR audit will be incorporated into the calculation of each CCO's actual MLR.

⁷ This preprint was approved on August 22, 2022 under the CMS control name "MS_Fee.VBP_AMC.PC.SP.Oth_Renewal_20220701-20230630"

The risk corridor settlement will occur after the contract year is closed, using six months of runout. An initial calculation will occur, but the final calculation will occur once the MLR audit has been completed. MLR audits are usually completed 12 to 18 months after the close of the SFY.

Other Program Considerations

The program includes a minimum federal MLR requirement of 87.5% of revenue. The sum of medical expenses and HCQI expenses must meet or exceed 87.5% of revenue. Revenue for premium taxes is excluded from the MLR calculation. If the 87.5% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism will be calculated after the application of the risk corridor. Due to the implementation of a 2% risk corridor for SFY 2023, the minimum MLR will be greater than 87.5% and will not trigger any additional payments as of a result of this provision.

EXHIBITS 1 THROUGH 17

(Provided in Excel Format Only)

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023

APPENDIX A

SFY 2023 Rate Cell Definitions

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023

APPENDIX A

SFY 2023 Rate Cell Definitions

This section of our report outlines the rate cell definitions to be used for SFY 2023 for the populations addressed in this report. These definitions are summarized in Table 1 below. Capitation rate cells for SFY 2023 were kept consistent with the SFY 2022 capitation rate cells.

Table 1 Mississippi Division of Medicaid Rate Cell Definitions			
Rate Cell Grouping for Assumption Development	Rate Cell	Age Requirement	Category of Eligibility (COE)
Children	SSI / Disabled Newborns	Ages 0 to 12 months (13 month duration)	01, 19
Children	Non-SSI Newborns – age 0 to 2 months	Ages 0 to 2 months (3 month duration)	03, 26, 71, 88
Children	Non-SSI Newborns – age 3 to 12 months	Ages 3 to 12 months (10 month duration)	03, 26, 71, 88
Children	MA Children	Ages 1 to 19	72, 73
Children	Quasi-CHIP	Ages 1 to 19	74
Children	MYPAC	Ages 1 to 20	N/A, Lckn_cd = SED
Children	Foster Care	Ages 1+	03, 26
Adult	Pregnant Women	Ages 8 to 64	88
Adult	MA Adult	Ages 19+	75
SSI	Non-Newborn SSI / Disabled	Ages 1+	01, 19, 25
SSI	Breast and Cervical Cancer	N/A	27

All rate cell eligibility excludes the following individuals not enrolled in MississippiCAN:

- Retroactive membership
- Dual eligible members
- Institutionalized beneficiaries in a long-term care facility
- Individuals in the following waiver programs: WAL, WED, WMR, or WTB
- Individuals diagnosed with Hemophilia or Von Willebrand disease

GEOGRAPHIC REGIONS

DOM uses regional payments to better reflect enrollment for CCOs that enroll a disproportionate number of members from higher-cost or lower-cost regions of the state. DOM uses the three regions of North, Central, and South based on the county where a beneficiary lives. Table 2 displays the counties included in each region.

APPENDIX A

SFY 2023 Rate Cell Definitions

Table 2 Mississippi Division of Medicaid Geographic Regions by County		
North Region	Central Region	South Region
Alcorn	Calhoun	Adams
Attala	Chickasaw	Amite
Benton	Choctaw	Covington
Bolivar	Claiborne	Forrest
Carroll	Clarke	Franklin
Coahoma	Clay	George
DeSoto	Copiah	Greene
Grenada	Hinds	Hancock
Holmes	Issaquena	Harrison
Humphreys	Jasper	Jackson
Itawamba	Kemper	Jefferson
Lafayette	Lauderdale	Jefferson Davis
Lee	Leake	Jones
LeFlore	Lowndes	Lamar
Marshall	Madison	Lawrence
Montgomery	Monroe	Lincoln
Panola	Neshoba	Marion
Pontotoc	Newton	Pearl River
Prentiss	Noxubee	Perry
Quitman	Oktibbeha	Pike
Sunflower	Rankin	Stone
Tallahatchie	Scott	Walthall
Tate	Sharkey	Wayne
Tippah	Simpson	Wilkinson
Tishomingo	Smith	
Tunica	Warren	
Union	Webster	
Washington	Winston	
Yalobusha	Yazoo	

To determine a beneficiary's county, we used the following approach:

1. County code included on a beneficiary's enrollment record in a given month.
2. Absent (a), we mapped zip codes in the enrollment file to counties. In cases where a zip code is present in more than one county, we assumed that a zip code maps to a given county if:
 - a. The zip code shows up most frequently for a given county in the enrollment file (assuming a minimum of five occurrences).
 - b. Census information indicating the portion of a zip code's population that resides in each county. County is assigned to a zip code based on the county that includes the largest portion of a zip code's population.

If a beneficiary could not be assigned to a region, we excluded their eligibility and claim experience from the base data. This accounts for less than 0.1% of all current MississippiCAN eligible members in CY 2019.

APPENDIX B

Data Sources and Processing

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023

APPENDIX B

Data Sources and Processing

A number of data sources are used to develop the base data for the SFY 2023 MississippiCAN capitation rates.

- Medicaid eligibility data
- FFS claim data
- CCO encounter data
- CCO financial data

CY 2019 experience forms the primary base data for the SFY 2023 capitation rates. For smaller MississippiCAN populations that are not credible based on CY 2019 experience alone (using a threshold of 150,000 member months), we blend CY 2019 and CY 2018 experience to form the base data. The rate cells using two years of data are the Foster Care, Breast and Cervical Cancer, Pregnant Women, SSI / Disabled Newborn, Non-SSI Newborns 0 to 2 Months, and MYPAC rate cells.

For SFY 2023 rates all CY 2018 and CY 2019 data was restated using the most recent available eligibility and claims data compared to the CY 2018 and CY 2019 data used in the development of SFY 2022 capitation rates.

This section of the report outlines each data source and steps to process the data.

MEDICAID ELIGIBILITY

DOM's MMIS vendor provided detailed Medicaid eligibility data for CY 2018 and CY 2019. Before analyzing claims, we pared down the eligibility data to groups that are eligible to enroll in MississippiCAN, as defined in Appendix A of our report. In order to isolate data only for this group, we applied various filters as described in the rest of this appendix.

If the population was enrolled in MississippiCAN at the time, we relied upon the 'CAN' lock-in code for each eligibility span to include individuals enrolled in MississippiCAN in the base period, and did not apply most of the additional filters described below. This assumes that MMIS-calculated enrollment criteria in the base period is consistent with SFY 2023. In addition, this removes opt-outs from voluntary populations (SSI children and Mississippi Band of Choctaw Indians) from the base data used to develop capitation rates. The opt-out rates for these populations have been stable in recent experience.

In addition, adjustments were made for the removal of retroactive eligibility periods and records not able to map to a geographic area.

Removal of Retroactive Eligibility Periods

Beneficiary enrollment in the FFS program can occur retroactively. When some individuals apply and qualify for Medicaid coverage, DOM reimburses claims, which occurred during the retroactive qualification period prior to their application. DOM backdates the eligibility of the individual to accommodate the retroactive coverage.

There is also a lag between the first date of eligibility and the date of enrollment in a CCO because Medicaid eligibility begins on the first day of the month in which the application was received. Once a Medicaid beneficiary signs up for a CCO, they will be enrolled on the first day of the subsequent month. The retroactive enrollment period is not covered by the CCO, so we removed retroactive eligibility included in the data provided to us using the following criteria:

- Eligibility months prior to the date that a beneficiary was added to the Medicaid enrollment file were removed. For example, if a beneficiary is active January 15, 2019, but they were added to the enrollment file February 1, 2019, we only included data on or after February 1, 2019 to exclude any retroactivity that may have occurred.

As of December 2015, newborns are enrolled in MississippiCAN at the time of their birth. Therefore, the retroactive eligibility exclusion is not applicable to these populations.

Geographic Area

If a beneficiary could not be assigned to a region, we excluded them from the base data. This accounts for less than 0.1% of all current MississippiCAN eligible member months in CY 2019. See Appendix A for additional information on the assignment of a geographic region.

APPENDIX B

Data Sources and Processing

FFS DATA

FFS claims are provided by DOM's MMIS vendor. These claims include any populations and / or services not included in MississippiCAN. Q1 to Q3 2018 FFS claims experience for members with a 'SED' lock-in code forms the base period data for the MYPAC rate cell.

We reviewed the FFS data for reasonability for several considerations, including the following, and verified it was consistent with monthly DOM cost reporting:

- Monthly claim counts per member
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Monthly units and payments by rate cell

ENCOUNTER DATA

Encounter claims are included in the data provided by DOM's MMIS vendor. This data represents the actual amounts paid to the provider, so no repricing was done as part of the development of capitation rates. A claim processed by a CCO and submitted to DOM can be identified in the data using the following definition. Please note, the field names may vary from those provided in the encounter data submission from the CCOs.

- The 6th character of claim_id is '5' and cl_type is 'R,' or
- The 6th character of claim_id is '0' and cl_type is not 'R'

For all service categories we used CY 2019 encounter data with runout through August 2021. The CY 2018 encounter data used only by smaller populations, as noted above, also includes runout through August 2021 for all service categories.

Only encounter claims for members flagged as a MississippiCAN enrollee in the eligibility data were included in the base data. Encounter claims, which failed to be mapped to a MississippiCAN CCO enrollee were removed.

CCO encounters are rigorously vetted by Myers and Stauffer as part of their reconciliation of encounters against CCOs' cash disbursement journals (CDJs). As part of this reconciliation, Myers and Stauffer identifies encounter claims that are duplicates, voids, or replacements for other encounter claims. Myers and Stauffer shares these findings with CCOs at a claim level to ensure they are accurately determining the final, non-duplicated version of each paid claim. As a result of their analysis, Myers and Stauffer are able to reconcile closely to the CCOs' CDJs (historically within 2% on a paid basis). We use summaries provided by Myers and Stauffer to identify final, non-duplicative claims consistent with their CDJ reconciliation.

Lastly, the encounter data is run through Milliman's *Health Cost Guidelines*TM (HCGs) grouper to map the encounter data into detailed categories of service. These categories of service are then rolled up into six high level categories of service: inpatient, outpatient, physician, pharmacy, dental, and other. This mapping from detailed category of service to broad category of service is included as Exhibit 6.

After processing the data, we review the encounter data for several considerations, including:

- Monthly encounter counts per member (including and excluding \$0 payments)
- Monthly payments per member
- Average cost per unit
- Monthly units and payments by COS
- Quarterly units and payments relative to financials by COS
- Frequency of diagnosis completion by COS

FINANCIAL REPORTING DATA

For base data development, each CCO submitted a financial report reconciled to their organization's audited CY 2018 and CY 2019 financial statements for Mississippi. Separate reports were submitted for CY 2018 and CY 2019 including earned premium, claim experience with runout through June 2019 or August 2021 for CY 2018 and CY 2019 data, respectively, best estimate IBNR claim amounts, subcapitated arrangements, non-service expenses, and membership.

APPENDIX B

Data Sources and Processing

The reported membership was close in total to the MMIS enrollment, so we utilized the MMIS enrollment for rate development.

We worked with each CCO to validate that their reports were filled out consistently with the category of service and non-medical definitions used in the capitation rate development. Adjustments were made to the original submissions to help align these definitions.

CLAIMS ABOVE STATE-PLAN COVERED SERVICE LIMITS

When processing encounter data, we identify claims above Mississippi's state-plan covered service limits. These services are provided by some CCOs as an expanded benefit. However, as they are not state-plan-covered, these services are excluded from base data when setting capitation rates. We identified three types of benefits offered by CCOs that are above state-plan covered service limits, described below. Children receiving EPSDT services, identified as individuals under the age of 21, are exempt from the service limits described below.

- **Physician Visits** – Members are limited to 16 physician visits within a state fiscal year. This limit is applied separately for psychiatric and non-psychiatric visits. Prior to January 1, 2019, physician visits were limited to 12 visits per state fiscal year.

To identify physician visits, claims are required to have a claim type of "C" (Clinics), "E" (Vision / Hearing), "K" (Services), or "P" (Practitioner / Physician). Additionally, the claim must have one of a list of specific procedure codes. Exhibits 20A and 20B show the required procedure codes for non-psychiatric and psychiatric physician visits, respectively.

- **Pharmacy Scripts** – The Mississippi state plan covers up to six per month (formerly up to five scripts per month before July 1, 2019). Scripts beyond the limit are identified by counting claims for the pharmacy category of service by member by month. Some scripts do not apply to the coverage limit, including:
 - Vaccinations
 - Clinician Administered Drugs and Implantable Drug System Devices (CADDs)
 - Insect Repellants
 - Insulin testing and other supplies
 - Tablet splitters
 - Sodium chloride for inhalation
 - Omnipod Dash 5 pack

Additionally, all monthly fills of Clozapine after the first fill do not apply to the script limit. Only the first script within each GCN category applies for Clozapine.

Exhibit 20C includes a list of all NDCs for the exclusions listed above.

- **Home Health Visits** – Up to 36 home health visits per state fiscal year are covered under Mississippi's state plan (formerly up to 24 visits before July 1, 2019). Home health visits are identified as claims with a claim type of "V" (Home Health) and a revenue code of 421, 441, 551, 571, or 589.

APPENDIX C

CMS Rate Setting Checklist

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023

APPENDIX C

CMS Rate Setting Checklist

This section of the report lists each item in the November 10, 2014 CMS checklist and discusses how DOM addresses each issue and / or directs the reader to other parts of this report. CMS uses the rate setting checklist to review and approve a state's Medicaid capitation rates.

AA.1.0 – Overview of Rates Being Paid under the Contract

The MississippiCAN state fiscal year (SFY) 2023 capitation rates are developed using Mississippi FFS Medicaid data, CCO encounter data, and CCO financial reporting data for a comparable population to that enrolled in CCOs. DOM calculates state-set rates by rate category on a statewide basis with area adjustments based on an enrolled member's county of residence.

AA.1.1 – Actuarial Certification

Please refer to Appendix E for our Actuarial Certification of the SFY 2023 capitation rates. The SFY 2023 MississippiCAN capitation rates have been developed in accordance with generally accepted actuarial principles and practices and are appropriate for the populations to be covered and the services to be furnished under the contract.

AA.1.2 – Projection of Expenditures

Exhibit 18 includes a projection of total expenditures and Federal-only expenditures based on projected SFY 2023 CCO enrollment and the SFY 2023 capitation rates. The fiscal impact of the SFY 2023 capitation rates is \$2.926 billion, with \$2.376 billion in federal funding. This is an estimated \$260.0 million decrease in federal funding over capitation rates for SFY 2022.

AA.1.3 – Risk Contracts

The MississippiCAN program meets the criteria of a risk contract.

AA.1.4 – Modifications

The SFY 2023 rates documented in this report are the preliminary capitation rates for the SFY 2023 MississippiCAN contracts. They will need to be updated to address certain items outlined in the rate narrative.

Note: There is no AA.1.5 on the Rate Setting Checklist

AA.1.6 – Limit on Payment to Other Providers

It is our understanding that no payments are made to providers other than those made by participating CCOs for services available under the contract.

AA.1.7 – Risk and Profit

Targeted margin is considered as part of final rate development.

AA.1.8 – Family Planning Enhanced Match

DOM claims an enhanced match for family planning services for the populations covered under this program. The PMPM value of services included in the MississippiCAN capitation rates are included in Exhibit 10.

AA.1.9 – Indian Health Service (IHS) Facility Enhanced Match

DOM claims an enhanced match for Indian Health Services (IHS) for the populations covered under this program. The PMPM value of services included in the MississippiCAN capitation rates are included in Exhibit 10.

AA.1.10 – Newly Eligible Enhanced Match

Mississippi did not expand eligibility as part of the Affordable Care Act.

APPENDIX C

CMS Rate Setting Checklist

AA.1.11 – Retroactive Adjustments

The SFY 2023 rates documented in this report are the preliminary capitation rates for the SFY 2023 MississippiCAN contracts. They will need to be updated to address certain items outlined in the rate narrative.

AA.2.0 – Based Only Upon Services Covered Under the State Plan

The base data utilization and cost data is Medicaid FFS, CCO encounter, and CCO financial reporting data only for populations that are eligible to enroll in a CCO.

Only State Plan services that are covered under the MississippiCAN contract have been included in the rate development.

AA.2.1 – Provided Under the Contract to Medicaid-eligible Individuals

Data for FFS populations not eligible to enroll in the MississippiCAN program has been excluded from the base data used in rate development. Please refer to Appendices A and B for details.

AA.2.2 – Data Sources

The base year utilization and cost data is calendar year (CY) 2018 and CY 2019 CCO encounter and financial reporting data for all populations with the exception of the MYPAC rate cell. Q1 to Q3 2018 FFS and CY 2019 encounter data is used as the base period data for the MYPAC rate cell.

AA.3.0 – Adjustments to Base Year Data

All adjustments to the base data are discussed in Section III. In addition, each item in the checklist is addressed in items AA.3.1 to AA.3.17 below.

AA.3.1 – Benefit Differences

The base data used to calculate the capitation rates has been adjusted to only include services covered under the CCO contracts.

AA.3.2 – Administrative Cost Allowance Calculations

The CCO capitation rates include explicit administrative allowances by rate cell. Please see Section IV for more details.

AA.3.3 – Special Populations' Adjustments

The base data used to calculate the capitation rates is consistent with the CCO population and no special population adjustment was necessary.

AA.3.4 – Eligibility Adjustments

The base CCO financial reporting data and encounter data only reflect experience for time periods where members were enrolled in a CCO. FFS experience was limited to reflect only individuals that will be eligible for MississippiCAN. See Appendix A for a discussion of eligibility criterion applied.

AA.3.5 – Third Party Liability (TPL)

The CCOs are responsible for the collection of any TPL recoveries for all services. The capitation rates include a 0.999 adjustment to reflect additional TPL recoveries that are not reflected in the base year encounter data, consistent with recent DOM experience. The capitation rates also include a 0.992 adjustment to reflect additional TPL recoveries that are not reflected in the Q1 to Q3 2018 FFS data underlying the MYPAC rate cell, consistent with recent DOM experience.

AA.3.6 – Indian Health Care Provider Payments

The CCOs are responsible for the entirety of the Indian Health Care payments, which are fully reflected in encounters.

APPENDIX C

CMS Rate Setting Checklist

AA.3.7 – DSH Payments

DSH payments will continue to be paid outside of capitation rates for members enrolled in MississippiCAN.

AA.3.8 – FQHC and RHC Reimbursement

DOM has chosen to include the per-encounter FQHC and RHC reimbursement in the MississippiCAN capitation rates to provide a steadier cash flow to the RHCs and FQHCs that serve the MississippiCAN population. The CCOs are expected to reimburse FQHCs and RHCs at DOM's per-encounter rates. DOM will monitor the utilization of services at FQHCs and RHCs under MississippiCAN to ensure services are not diverted from FQHCs and RHCs to other providers.

AA.3.9 – Graduate Medical Education (GME)

GME costs were historically included in the DRG payment methodology for inpatient services. Effective October 1, 2019, all GME payments are made outside of MississippiCAN capitation rates by DOM. An adjustment is included in rate development to remove these costs since they are included in the base period data.

AA.3.10 – Copayments, Coinsurance, and Deductibles in Capitated Rates

One CCO implemented a member copay of \$1 on pharmacy scripts effective January 1, 2020. Since the base data used to calculate capitation rates is from before this time no adjustment was made to the base period data for this. All FFS member cost sharing amounts were added back into the capitation rate calculation.

AA.3.11 – Medical Cost / Trend Inflation

The utilization and unit cost trends used to project expenditures from the base period to SFY 2023 are based on projections of future medical cost inflation.

We are comfortable that the trend rates represent an appropriate expected change in per capita cost between the base period and SFY 2023.

AA.3.12 – Utilization Adjustments

Utilization trend is included in AA.3.11. In addition, a directed fee schedule adjustment is applied for inpatient and outpatient services to provide total directed payments of \$313.1 million for SFY 2023 as a component of the Mississippi Hospital Access Program (MHAP).

AA.3.13 – Utilization and Cost Assumptions

The SFY 2023 capitation rates will use the CDPS + Rx risk adjuster to risk adjust the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rates for each participating CCO. CDPS + Rx uses beneficiaries' medical and prescription drug claim information to develop a risk score for each individual. A custom risk adjustment model was developed for the Foster Care rate cell using information from members' enrollment information. Section IV: Step 6 explains how the risk scores are calculated and applied to the base capitation rate to calculate separate rates for each participating CCO reflecting their member population.

AA.3.14 – Post-Eligibility Treatment of Income (PETI)

Not applicable.

AA.3.15 – Incomplete Data Adjustment

The capitation rates do not include an adjustment to reflect Incurred but Not Reported (IBNR) claims. We assume the encounter data from CY 2018 and CY 2019 is complete with over 30 months and 18 months of runout, respectively.

Please see Section III: Step 1 for a discussion of the comparison of encounter data to financial reporting and resulting adjustments applied.

APPENDIX C

CMS Rate Setting Checklist

AA.3.16 – Primary Care Rate Enhancement

No adjustment was made to reimbursement for primary care services, as DOM's reimbursement methodology for these services is consistent between the base period and SFY 2023.

AA.3.17 – Health Homes

Not applicable.

AA.4.0 – Establish Rate Category Groupings

Please refer to Appendix A of the report.

AA.4.1 – Eligibility Categories

Please refer to Appendix A of the report. Rates vary by broad eligibility category.

AA.4.2 – Age

Please refer to Appendix A of the report. Rates generally do not vary by age beyond differences for newborns, children, and adults. Age and gender, however, are components of the CDPS + Rx risk adjuster.

AA.4.3 – Gender

Please refer to Appendix A of the report. Rates do not vary by gender. Age and gender, however, are components of the CDPS + Rx risk adjuster.

AA.4.4 – Locality / Region

Please refer to Appendix A of this report. Rates vary across three regions.

AA.4.5 – Risk Adjustments

The SFY 2023 capitation rates will use the CDPS + Rx risk adjuster to risk adjust the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rates for each participating CCO. CDPS + Rx uses beneficiaries' medical and prescription drug claim information to develop a risk score for each individual. A custom risk adjustment model was developed for the Foster Care rate cell using information from members' enrollment information. Section IV: Step 6 explains how the risk scores are calculated and applied to the base capitation rate to calculate separate rates for each CCO reflecting their member population. Risk adjustment will be budget-neutral to DOM. This risk sharing mechanism is developed in accordance with generally accepted actuarial principles and practices.

AA.5.0 – Data Smoothing

We did not perform any data smoothing.

AA.5.1 – Cost-Neutral Data Smoothing Adjustment

We did not perform any data smoothing.

AA.5.2 – Data Distortion Assessment

Our review of the base CCO financial reporting and encounter data did not detect any material distortions or outliers.

AA.5.3 – Data Smoothing Techniques

Area adjustments of statewide rates are incorporated into the rate structure to account for potential variation in regional enrollment between CCOs.

APPENDIX C

CMS Rate Setting Checklist

AA.5.4 – Risk Adjustments

The SFY 2023 capitation rates will use the CDPS + Rx risk adjuster to risk adjust the Non-Newborn SSI / Disabled, MA Adult, MA Children, and Quasi-CHIP rates for each participating CCO. CDPS + Rx uses beneficiaries' medical and prescription drug claim information to develop a risk score for each individual. A custom risk adjustment model was developed for the Foster Care rate cell using information from members' enrollment information. Section IV: Step 6 explains how the risk scores are calculated and applied to the base capitation rate to calculate separate rates for each CCO reflecting their member population. Risk adjustment will be budget-neutral to DOM. This risk sharing mechanism is developed in accordance with generally accepted actuarial principles and practices.

AA.6.0 – Stop Loss, Reinsurance, or Risk Sharing Arrangements

The program includes a minimum MLR requirement of 87.5% of revenue. The sum of medical expenses and health care quality initiative (HCQI) expenses must meet or exceed 87.5% of revenue. Revenue for premium taxes and HIF are excluded from the MLR calculation. If the 87.5% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices.

AA.6.1 – Commercial Reinsurance

DOM does not require entities to purchase commercial reinsurance.

AA.6.2 – Stop-Loss Program

Please see AA.6.0.

AA.6.3 – Risk Corridor Program

Capitation rates for SFY 2023 will be subject to a risk corridor program. The risk corridor is designed to protect against uncertainty in the capitation rates due to COVID-19. Section IV: Step 8 describes how the risk corridor will be applied in SFY 2023 and the calculation of the risk corridor settlements.

AA.7.0 – Incentive Arrangements

Not applicable.

AA.7.1 – Electronic Health Records (EHR) Incentive Payments

Not applicable.

APPENDIX D

CMS Managed Care Rate Setting Guide Response

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023

APPENDIX D

Responses to 2022-2023 CMS Managed Care Rate Development Guide

I. RESPONSES TO 2022-2023 CMS MANAGED CARE RATE DEVELOPMENT GUIDE

SECTION I. MEDICAID MANAGED CARE RATES

1. General Information

- Rate period – This report documents and certifies capitation rates in effect from July 1, 2022 to June 30, 2023 (SFY 2023).
- Actuarial rate certification – See Appendix E.
- Final capitation rates – See Exhibit 4.
- Program descriptions – Please refer to the following sections:
 - Section II – MississippiCAN program background
 - Appendix A – Rate cell definitions
 - Section IV: Step 4 – Background on the quality withhold applied in SFY 2023
- Medical Loss Ratio (MLR) – The program includes a minimum MLR requirement of 87.5% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses must meet or exceed 87.5% of revenue. Revenue for premium taxes and HIF are excluded from the MLR calculation. If the 87.5% threshold is not met, CCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices.
- Federal Medical Assistance Percentage (FMAP) – DOM receives an enhanced FMAP for COVID-19 vaccination administration fees, family planning services, breast and cervical cancer services, Indian health services, home health services, rehabilitation services, private duty nursing services, and Quasi-CHIP members that prior to the Affordable Care Act were covered under the CHIP program. Any differences in capitation rates according to covered populations are based on valid rate development standards and not based on the FMAP associated with the covered populations.
- Cross-subsidies – Rate cells do not cross-subsidize other rate cells.
- Rate change from SFY 2022 capitation rates – See Section I.
- Known rate amendments – The capitation rates included in this report will require recertification to account for the following:
 - CCO specific MHAP, MAPS, and TREAT payments made to providers. This initial certification includes a PMPM estimate of these amounts across all CCOs.
 - We anticipate that these adjustments will be made at the same time and an amendment will be submitted by February 2024.
- Impact of COVID-19 – See Section I.

2. Data

- Service data sources – See Appendix B.
- Validation and quality adjustments – See Section III for encounter data and financial reporting validation.
- Changes in data sources – Base period FFS, CCO encounter, and CCO financial data again used CY 2018 and CY 2019 data sources. FFS and encounter data were restated relative to SFY 2022 rates.
- Potential Future Data improvements – We anticipate no major enhancements to data collection in the future.

APPENDIX D

Responses to 2022-2023 CMS Managed Care Rate Development Guide

- Other data adjustments – See Appendix B for descriptions of reallocations of financial data using encounter data relationships for subcapitated claims and maternity costs. See Section III: Step 1 for a description of adjustments applied to encounter data. No adjustments were applied to the data other than those outlined in that section.
- Blending of data sources – See Section III: Step 4.
- Data reliance – See Appendix F.

3. Projected Benefit Costs and Trends

- Assumptions used to project benefit costs do not vary based on the rate of federal financial participation associated with the covered populations.
- Projected benefit cost trends:
 - Annual trend assumptions – Section III: Steps 2 and 3 outline the trend assumptions used from CY 2018 to CY 2019 for populations using two years of claims experience. Section IV: Step 1 outlines the trend assumptions from CY 2019 to the rating period. Negative dental utilization trends and inpatient utilization trends for the Adult population groups for CY 2019 to SFY 2023 reflect historical trend patterns. Please refer to Exhibits 7A to 7E for more information. Negative unit cost trends for CY 2019 to the rating period for inpatient hospital services, outpatient hospital services, and physician services shown in Table 16 are due to decreases in fee schedules over time.

Additionally, negative utilization and unit cost trend assumptions for pharmacy services are shown in Tables 8, 23, 24, 25, and 26. These trends reflect recent historical patterns in pharmacy experience.

- Reimbursement changes – Section IV: Step 1 describes the reimbursement changes between the base period and rating period.
- In-lieu-of services – CCOs do not provide any material amounts of in-lieu-of services.
- IMD services – IMD services are covered beginning in SFY 2020. However, material amounts of in-lieu of services are not anticipated to be provided through IMDs. Adjustments were made to the base period data for IMD services since they were not covered during the base period in Section III: Step 1 of the capitation rate report.
- Mental Health Parity and Addiction Equity Act – No additional services were necessary to add to the program to achieve compliance with the act.
- Retrospective eligibility periods – No consideration for retroactive eligibility periods is included in the base data or rate development, because such services are covered under FFS.
- Overpayments to providers – Section III, Step 1 summarizes recoveries for overpayments to providers by CCOs and how these recoveries are accounted for when summarizing the base data used to develop SFY 2023 capitation rates.
- Changes in covered services and benefits:
 - Effective January 1, 2019, limits on physician visits are increased from 12 visits to 16 visits. Please see Section III: Steps 2 and 3 for a description of how these services are included in capitation rates.
 - Effective July 1, 2019, limits on pharmacy scripts will increase from 5 scripts per member per month to six scripts per member per month and limits on home health services will increase from 25 visits to 36 visits. Please see Section IV: Step 1 for a description of how these services are included in capitation rates.
 - Starting January 2017, MississippiCAN began offering additional screening and treatment services for MississippiCAN members with autism spectrum disorder (ASD). However, utilization of those services

APPENDIX D

Responses to 2022-2023 CMS Managed Care Rate Development Guide

has been slow to materialize. An adjustment is included in SFY 2023 capitation rates to reflect expected additional utilization of these services due to increases in provider fees. Please see Section IV: Step 1 for a description of this adjustment.

- Effective October 1, 2018, stays in psychiatric residential treatment facilities (PRTF) are covered as part of the MississippiCAN program. Please see Section III: Steps 2 and 3 for a description of how these services are included in capitation rates.
- Other adjustments:
 - A population change adjustment was applied to reflect that some children in the Non-Newborn SSI / Disabled rate cell were historically moved into FFS after a PRTF stay. Starting in SFY 2022, these individuals will remain in the MississippiCAN program. This adjustment was applied in Section III: Step 1.
 - Managed care savings were applied to the FFS experience used to develop the PRTF adjustments as documented in Section IV: Step 2 and 3.
 - Managed care savings were applied to CY 2019 IP hospital experience to reflect potentially preventable hospital readmissions as documented in Section IV: Step 1.
 - Area relativity factors – Please see Section IV: Step 3 for a discussion of the area factor development for the North, Central, and South regions.
- Final projected benefit costs – See Exhibit 4.
- Conditions of any litigation to which the state is subjected – Not applicable; no impact on rates.

4. Special Contract Provisions Related to Payment

- Incentive Arrangements – Not applicable.
- Withhold Arrangements – A quality withhold will be implemented for the SFY 2023 capitation rates. Please see Section IV: Step 4 for a description of the quality withhold.
- Risk sharing
 - The program includes a minimum MLR requirement of 87.5% of revenue. The sum of medical expenses, directed payments, and health care quality initiative (HCQI) expenses, must meet or exceed 87.5% of revenue. Revenue for premium taxes and HIF are excluded from the MLR calculation. If the 87.5% threshold is not met, MCOs return revenue to DOM until the threshold is met. This mechanism has been developed in accordance with applicable regulation and generally accepted actuarial principles and practices.
 - For SFY 2023 the program is subject to a risk corridor. Please see Section IV: Step 8 for details of the implementation of this risk corridor.
 - Any risk-sharing arrangements are consistent with pricing assumptions and no remittance / payment is calculated using pricing assumptions.
- Delivery System and Provider Payment Initiatives – Not applicable.
- State Directed Payments

The SFY 2023 capitation rates included in this certification reflect four directed payment arrangements that will be in effect for SFY 2023. The necessary information for the four state directed payment arrangements included in these preliminary capitation rates is summarized below.

APPENDIX D

Responses to 2022-2023 CMS Managed Care
Rate Development Guide

Summary of All State Directed Payments

Control Name of the State Directed Payment	Type of Payment	Brief Description	Is the Payment Included as a Rate Adjustment or Separate Payment Term?
MS_Fee_IPH.OPH_Amend2_20220701-20230630	Uniform dollar or percentage increase	Enhanced hospital reimbursement for inpatient and outpatient hospital services for qualifying facilities	Separate payment term
MS_Fee.VBP_AMC.PC.SP.Oth_Renewal_20220701-20230630	Uniform dollar or percentage increase	Enhanced payments to physicians and other eligible professional service practitioners who are employed by a qualifying hospital or who assigned Mississippi Medicaid payments to a qualifying hospital	Separate payment term
MS_Fee_Oth_Renewal_20220701-20230630	Minimum Fee Schedule	Enhanced payments to physicians and other eligible professional service practitioners providing services related to Autism Spectrum Disorder	Included as a rate adjustment
MS_Fee_Oth_New_20220701-20230630	Uniform dollar or percentage increase	Enhanced reimbursement for ambulance providers	Separate payment term

Summary of State Directed Payments Included as a Separate Payment Term

Control Name of the State Directed Payment	Aggregate Amount Included in the Certification	Statement that the Actuary is Certifying the Separate Payment Term	The Magnitude on a PMPM Basis	Confirmation the Rate Development is Consistent with the Preprint	Confirmation that the State and Actuary will Submit Required Documentation at the End of the Rating Period
			See Exhibit 18		
MS_Fee_IPH.OPH_Amend2_20220701-20230630	FSA component of MHAP: \$313.1 million QIPP component of MHAP: \$288.1 million	Confirmed the actuarial certification covers this separate payment term	FSA component of MHAP: allocated across rate cells based on projected IP / OP spend. 70% is allocated based on projected IP spend and 30% is allocated based on projected OP spend. Ranges from \$16.30 to \$2,629.57 PMPM. QIPP component of MHAP: allocated as a fixed PMPM of \$62.81 across all rate cells.	Confirmed	Confirmed
MS_Fee.VBP_AMC.PC.SP.Oth_Renewal_20220701-20230630	\$38.0 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 18 Allocated as a fixed PMPM of \$8.29 across all rate cells	Confirmed	Confirmed
MS_Fee_Oth_New_20220701-20230630	\$14.7 million	Confirmed the actuarial certification covers this separate payment term	See Exhibit 18 Allocated as a fixed PMPM of \$3.21 across all rate cells	Confirmed	Confirmed

APPENDIX D

Responses to 2022-2023 CMS Managed Care Rate Development Guide

Summary of State Directed Payments Included as a Rate Adjustment					
Control Name of the State Directed Payment	Rate Cells Affected	Impact	Description of the Adjustment	Confirmation the Rate Development is Consistent with the Preprint	For Maximum Fee Schedules, Provide Information Requested
MS_Fee_Oth_Renewal_20220701-20230630	Non-Newborn SSI / Disabled, Foster Care, MA Children, Quasi-CHIP	See Exhibit 2A	Increased estimated costs for services related to autism spectrum disorder to reflect increased fee schedule and higher utilization of services	Confirmed	N/A

All services covered under the MississippiCAN program are subject to a minimum fee schedule of the FFS rate. This minimum fee schedule is set in accordance with the provisions of §438.6(c). It is our understanding that this type of minimum fee schedule does not necessitate prior approval from CMS and no preprint is required.

DOM has confirmed that there are no additional directed payments in the program that are not addressed in the certification.

DOM has also confirmed that there are no requirements regarding the reimbursement rates the managed care plans must pay to any providers unless specifically specified in the certification as a state directed payment or authorized under applicable law, regulation, or waiver.

- Pass Through Payments – Not applicable.

5. Projected Non-Benefit Costs

- Assumptions used to project non-benefit costs do not vary based on the rate of federal financial participation associated with the covered populations.
- Administrative cost data, projected costs, premium tax and margin – See Section IV: Step 2.
- Health Insurer Fee (HIF) treatment – Not applicable for SFY 2023.

6. Risk Adjustment and Acuity Adjustments

- Risk adjustment – See Section IV: Step 6. During the development of the custom Mississippi risk adjustment model we measured an R-squared value of 11% for MA Children and Quasi-CHIP, 17% for MA Adults, and 26% for Non-Newborn SSI / Disabled. These weights were used in the most recent risk adjustment results (effective for January 2022 to June 2022) which resulted in risk scores that ranged from 0.93 to 1.04 depending on CCO, region and rate cell.

A custom risk adjustment model was developed for the Foster Care rate cell using information from members' enrollment information. This model was used in the most recent risk adjustment results (effective for January 2022 to June 2022) which resulted in risk scores that ranged from 0.94 to 1.29 depending on CCO, region and rate cell.

- Acuity Adjustments – See Section IV: Step 2. Medicaid enrollment remained elevated through the end of the Department of Health and Human Services (HHS) declared public health emergency (PHE). Beginning in June 2021, DOM began transitioning individuals for whom Medicaid eligibility would have lapsed absent the PHE from coordinated care organizations (CCOs) into FFS Medicaid. Following the end of the PHE, these members' Medicaid eligibility is being redetermined; members may be re-enrolled in managed care or may be disenrolled from Medicaid entirely.

APPENDIX D

Responses to 2022-2023 CMS Managed Care Rate Development Guide

As SFY 2023 enrollment is materially different than the CY 2019 membership used to develop the base data underlying SFY 2023 capitation rates, Milliman applied a retrospective acuity adjustment for the MA Adult, MA Children, and Quasi-CHIP rate cells to reflect the differences between those populations.

SECTION II. MEDICAID MANAGED CARE RATES WITH LONG-TERM SERVICES

This section does not apply as MississippiCAN is not a long-term care service program.

SECTION III. NEW ADULT POPULATION CAPITATION RATES

This section does not apply as the state of Mississippi has not expanded coverage as a result of the Affordable Care Act.

APPENDIX E

Actuarial Certification of SFY 2023 MississippiCAN Capitation Rates

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

jill.bruckert@milliman.com

August 22, 2023

**Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2023 MississippiCAN Capitation Rates – REVISED**

I, Jill A. Bruckert, am associated with the firm of Milliman, Inc., am a member of the American Academy of Actuaries, and meet its Qualification Standards for Statements of Actuarial Opinion. I was retained by the Mississippi Division of Medicaid (DOM) to perform an actuarial certification of the Mississippi Coordinated Access Network (MississippiCAN) coordinated care capitation rates for July 1, 2022 to June 30, 2023 (SFY 2023) for filing with the Centers for Medicare and Medicaid Services (CMS). I reviewed the capitation rate development and am familiar with the following regulation and guidance:

- The requirements of 42 CFR §438.3(c), 438.3(e), 438.4, 438.5, 438.6, and 438.7
- CMS "Appendix A, PAHP, PIHP, and MCO Contracts Financial Review Documentation for At-risk Capitated Contracts Ratesetting dated November 10, 2014"
- 2022 to 2023 Medicaid Managed Care Rate Development Guide
- Actuarial Standard of Practice 49 and other applicable standards of practice

I examined the actuarial assumptions and actuarial methods used in setting the capitation rates for SFY 2023 dated August 22, 2023 and accompanying this certification.

To the best of my information, knowledge, and belief, for the SFY 2023 period, the capitation rates offered by DOM are in compliance with the relevant requirements of 42 CFR 438.4. The attached letter, revised certification dated April 11, 2023, and the full report dated September 14, 2022 describe the capitation rate setting methodology.

In my opinion, the capitation rates are actuarially sound, as defined in Actuarial Standard of Practice 49, were developed in accordance with generally accepted actuarial principles and practices, and are appropriate for the populations to be covered and the services to be furnished under the contract. This certification includes all prospective health plan payments, as well as the components of the MHAP, MAPS, and TREAT programs that will be settled retrospectively.

In making my opinion, I relied upon the accuracy of the underlying claim and eligibility data records and other information prepared by DOM and participating CCOs. I did not audit the data and calculations, but did review them for reasonableness and consistency and did not find material defects. In other respects, my examination included such review of the underlying assumptions and methods used and such tests of the calculations as I considered necessary. The reliance letter from DOM is included in Attachment B.

Actuarial methods, considerations, and analyses used in forming my opinion conform to the appropriate Standards of Practice as promulgated from time-to-time by the Actuarial Standards Board, whose standards form the basis of this Statement of Opinion.

It should be emphasized that capitation rates are a projection of future costs based on a set of assumptions. Actual costs will be dependent on each contracted coordinated care organization's situation and experience.



Mississippi Division of Medicaid
Capitated Contracts Ratesetting
Actuarial Certification
SFY 2023 MississippiCAN Capitation Rates
August 22, 2023
Page 2 of 2

This Opinion assumes the reader is familiar with the MississippiCAN program, Medicaid coordinated care programs, and actuarial rating techniques. The Opinion is intended for the State of Mississippi and the Centers for Medicare and Medicaid Services and should not be relied on by other parties. The reader should be advised by actuaries or other professionals competent in the area of actuarial rate projections of the type in this Opinion, so as to properly interpret the projection results.

A handwritten signature in black ink, appearing to read "Jill A. Bruckert", is written over a horizontal line.

Jill A. Bruckert
Member, American Academy of Actuaries
Principal and Consulting Actuary
August 22, 2023

APPENDIX F

Data Reliance Letter

This report assumes the reader is familiar with the State of Mississippi's MississippiCAN program, its benefits, and rate setting principles. The report was prepared solely to provide assistance to DOM to set SFY 2023 capitation rates for the MississippiCAN program. It may not be appropriate for other purposes. Milliman does not intend to benefit, and assumes no duty or liability to, other parties who receive this work. This material should only be reviewed in its entirety.

State of Mississippi Division of Medicaid
SFY 2023 MississippiCAN Preliminary Rate Calculation and Certification

August 22, 2023

OFFICE OF THE GOVERNOR

Walter Sillers Building | 550 High Street, Suite 1000 | Jackson, Mississippi 39201



August 17, 2023

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary
Milliman, Inc.
17335 Golf Parkway, Suite 100
Brookfield, WI 53045

Re: Data Reliance for Actuarial Certification of SFY 2023 MississippiCAN Capitation Rates

Dear Jill:

I, Jennifer Wentworth, Deputy Administrator for Finance for the Mississippi Division of Medicaid (DOM), hereby affirm that the data prepared and submitted to Milliman, Inc. (Milliman) for the purpose of certifying MississippiCAN capitation rates was prepared under my direction and, to the best of my knowledge and belief, is accurate, complete, and consistent with the data used to develop the capitation rates. Capitation rates are effective July 1, 2022 to June 30, 2023.

Provided data or information used in the development of the capitation rates includes:

1. Data from DOM's Medicaid Management Information Systems (MMIS) vendor:
 - a. FFS claims through October 2019.
 - b. Encounter claims through October 2021.
 - c. Medicaid eligibility through November 2021.
2. Data from DOM's vendor Myers and Stauffer:
 - a. Detailed encounter claim status reports, including identification of duplicative or voided claims through November 1, 2021.
3. Data from DOM's vendor Change Healthcare:
 - a. PDL change analysis file and supporting exhibits for January 1, 2020 provided February 4, 2020.
 - b. PDL change analysis file and supporting exhibits for May 1, 2020 provided May 14, 2020.
 - c. PDL change analysis file and supporting exhibits for January 1, 2021 provided January 19, 2021 through February 1, 2021.
 - d. PDL change analysis files and supporting exhibits for January 1, 2022 provided January 23, 2022 and January 31, 2022.

4. Supporting documentation provided by DOM:

a. Data identification logic:

- i. Logic for identifying members eligible for the MYPAC rate cell.
- ii. Logic for identifying psychiatric residential treatment facility (PRTF) claims to be included for MississippiCAN members and estimated 10% savings due to the inclusion in MississippiCAN.
- iii. Fee schedule for PRTF claims by facility effective January 1, 2021 provided on March 7, 2022.
- iv. Logic for identifying Institution for Mental Disease (IMD) facilities.
- v. Logic for identifying claims above state plan covered service limits.
- vi. Detailed mapping of services and providers previously eligible for the 5% assessment.
- vii. List of products reimbursed as clinician administered drugs and implantable drug system devices (CADDs).

b. Reimbursement and / or program changes:

- i. SB 2799 passed March 30, 2021.
 1. Removal of 5% provider assessment effective July 1, 2021.
 2. Preventative and diagnostic dental reimbursement increases of 5% effective July 1, 2021 and July 1, 2022, achieved through the removal of the 5% provider assessment.
 3. No reimbursement changes on or after July 1, 2021, unless federally required.
- ii. HB 657 passed April 18, 2022.
 1. Restorative dental reimbursement increase of 5% effective July 1, 2022.
 2. Unfreezing of pharmacy reimbursement effective July 1, 2021.
 3. Unfreezing of physician fee schedules effective July 1, 2022.
- iii. SB 2212 signed into law on March 16, 2023.
 1. Postpartum coverage for eligible members extended from 60 days to 12 months.
- iv. Estimated increase in autism spectrum disorder (ASD) services costs for SFY 2023 compared to CY 2019 due to the ramp up of services after the fee schedule change.
- v. Inpatient DRG, outpatient APC, and professional fee re-pricing impacts for July 2019 and July 2020 prepared by Conduent.
- vi. Professional fee re-pricing impacts for July 2022 prepared by Conduent.

Jill A. Bruckert, FSA, MAAA
 Milliman, Inc.
 August 17, 2023
 Page 3 of 4

- vii. OPPS reimbursement methodology changes for July 2018, including the removal of the 5% provider assessment on outpatient hospital services.
- viii. Estimate of the impact of OP dental reimbursement changes provided by Conduent.
- ix. Estimated fee schedule increase for the ambulance reimbursement change effective July 1, 2020.
- x. Fee schedule for COVID-19 vaccine administration costs for SFY 2023 and vaccine uptake rates by population.
- xi. Fee schedule updates for the following categories of service:
 - 1. Psychiatric Residential Treatment Facilities (PRTF) – January 2023
 - 2. Home Health Agency (HHA) – October 2022
 - 3. Prescribed Pediatric Extended Care (PPEC) – October 2022
 - 4. Private Duty Nursing (PDN) – October 2022
 - 5. Ambulatory Surgical Center (ASC) – January 2023
 - 6. Autism Spectrum Disorder (ASD) – January 2023
 - 7. Federally Qualified Health Centers (FQHC) – January 2023
 - 8. Rural Health Clinics (RHC) – January 2023
- xii. 2019 fee schedules for the following categories of service:
 - 1. Psychiatric Residential Treatment Facilities (PRTF)
 - 2. Home Health Agency (HHA)
 - 3. Prescribed Pediatric Extended Care (PPEC)
 - 4. Private Duty Nursing (PDN)
 - 5. Ambulatory Surgical Center (ASC)
 - 6. Autism Spectrum Disorder (ASD)
 - 7. Federally Qualified Health Centers (FQHC)
 - 8. Rural Health Clinics (RHC)
- c. Directed payments:
 - i. SFY 2023 Mississippi Hospital Access Program (MHAP) total funding amount of \$601,153,602 along with splits for the quality incentive payment program (QIPP) amount of \$288,100,478, the inpatient fee schedule adjustment (FSA) amount of \$190,965,371, and the outpatient FSA amount of \$122,087,753 to be used in capitation rate development.
 - ii. SFY 2023 Mississippi Medicaid Access to Physician Services (MAPS) funding amount of \$38,018,361.
 - iii. ASD minimum fee schedule.
 - iv. SFY 2023 Transforming Reimbursement for Emergency Ambulance Transportation (TREAT) funding amount of \$14,740,472.
- d. Historical data:
 - i. Documentation of historical FFS third party liability (TPL) recoveries.
 - ii. Documentation of \$2.7 million of TPL recoveries by DOM for MississippiCAN claims incurred in calendar year (CY) 2019.

Jill A. Bruckert, FSA, MAAA
 Milliman, Inc.
 August 17, 2023
 Page 4 of 4

- iii. Files summarizing claims for Hospital Presumptive Eligibility (HPE) newborns provided December 16, 2020.
- iv. Files summarizing individuals in the Non-Newborn SSI / Disabled rate cell moved to FFS due to a PRTF stay in CY 2019.
- v. Estimated costs for graduate medical education (GME) in SFY 2018, SFY 2019, and January to September 2019.
- vi. MLR reports for January 2018 through June 2023.
- vii. Capitation reports and detailed enrollment reports showing monthly membership through July 2023.
- viii. COVID-19 vaccination status for each MississippiCAN enrollee as of December 2021.
- e. Other data:
 - i. Quality withhold parameters for SFY 2023.
 - ii. Potentially preventable hospital readmissions analysis prepared by Conduent provided July 25, 2022.
 - iii. April 2022 QIPP Statewide and CCO PPHR reports provided April 12, 2022.
 - iv. Confirmation DOM is carving costs related to Zolgensma out of MississippiCAN for SFY 2023 and no other drugs are expected to be carved out of MississippiCAN for SFY 2023.
 - v. Risk corridor parameters for SFY 2023.
 - vi. Other computer files and clarifying correspondence.

Milliman relied on DOM and their MMIS vendor for the collection and processing of the FFS and CCO encounter data. Milliman relied on Myers and Stauffer's review of encounter data for duplicative or voided claims. Milliman relied on the CCOs to provide accurate CY 2018 and CY 2019 financial data as certified by each CCO. Milliman did not audit the FFS data, the CCO financial data, or the encounter data, but did assess the data for reasonableness as documented in the capitation rate report.

Jennifer Westworth

Name

Deputy Administrator for Finance

Title

August 17, 2023

Date

For more information about Milliman,
please visit us at:

milliman.com



Milliman is among the world's largest providers of actuarial and related products and services. The firm has consulting practices in life insurance and financial services, property & casualty insurance, healthcare, and employee benefits. Founded in 1947, Milliman is an independent firm with offices in major cities around the globe.

milliman.com

CONTACT

Jill Bruckert

jill.bruckert@milliman.com

Michael C. Cook

michael.cook@milliman.com

Katarina Lorenz

katarina.lorenz@milliman.com

Exhibit 1
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
July 2022 to December 2022 Enrollment Period

North Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Description		Risk Weight								
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	1,531	18.58%	686	43.09%	922	31.59%	3,139	24.62%
Money Code 3	Receiving IV-E Assistance	0.743	881	10.69%	367	23.05%	423	14.49%	1,671	13.11%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	5,427	65.88%	479	30.09%	1,313	44.98%	7,219	56.62%
Other	All other Money Codes	0.000	399	4.84%	60	3.77%	261	8.94%	720	5.65%
Unadjusted Plan Factor			0.739		1.019		0.866		0.803	
Member Months			8,238		1,592		2,919		12,749	
Budget Neutral Plan Factor			0.920		1.269		1.078		1.000	

Central Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Description		Risk Weight								
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	2,005	24.71%	803	46.60%	861	36.53%	3,669	30.09%
Money Code 3	Receiving IV-E Assistance	0.743	1,175	14.48%	438	25.42%	401	17.01%	2,014	16.52%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	4,633	57.11%	432	25.07%	916	38.86%	5,981	49.05%
Other	All other Money Codes	0.000	300	3.70%	50	2.90%	179	7.59%	529	4.34%
Unadjusted Plan Factor			0.814		1.064		0.923		0.871	
Member Months			8,113		1,723		2,357		12,193	
Budget Neutral Plan Factor			0.935		1.222		1.061		1.000	

South Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Description		Risk Weight								
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	1,718	15.40%	975	39.63%	1,172	30.84%	3,865	22.20%
Money Code 3	Receiving IV-E Assistance	0.743	1,383	12.40%	664	26.99%	646	17.00%	2,693	15.47%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	7,486	67.12%	770	31.30%	1,661	43.71%	9,917	56.95%
Other	All other Money Codes	0.000	566	5.07%	51	2.07%	321	8.45%	938	5.39%
Unadjusted Plan Factor			0.725		1.019		0.877		0.800	
Member Months			11,153		2,460		3,800		17,413	
Budget Neutral Plan Factor			0.906		1.275		1.097		1.000	

Exhibit 2
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q3 to Q4 2022 Risk Scores
July 2022 to December 2022 Enrollment Period

North Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	8,238	0.739	0.920
Molina	1,592	1.019	1.269
United	2,919	0.866	1.078
Total	12,749	0.803	1.000

Central Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	8,113	0.814	0.935
Molina	1,723	1.064	1.222
United	2,357	0.923	1.061
Total	12,193	0.871	1.000

South Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	11,153	0.725	0.906
Molina	2,460	1.019	1.275
United	3,800	0.877	1.097
Total	17,413	0.800	1.000

Caveats and Limitations
Mississippi Division of Medicaid

READ BEFORE PROCEEDING

Milliman has developed certain models to estimate the values included in these exhibits and appendices. The intent of the models was to estimate SFY 2023 capitation rates. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounter data and CCO financial exhibits and appendices from January 2018 to September 2021 with runout through November 2021, FFS cost and eligibility data from January 2017 to December 2018, historical and projected reimbursement information, TPL recoveries, fee schedules, pharmacy and dispensing fee pricing, and other information from DOM, MississippiCAN CCOs, Myers and Stauffer, Change Healthcare, and CMS to calculate the preliminary MississippiCAN capitation rates shown in these exhibits and appendices. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete. Please see Appendix J for a full list of the data relied upon to develop the SFY 2023 capitation rates.

Differences between the capitation rates and actual experience will depend on the extent to which future experience conforms to the assumptions made in the capitation rate calculations. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

Our exhibits and appendices are intended for the internal use of DOM to review preliminary MississippiCAN capitation rates for SFY 2023. The exhibits and appendices and the models used to develop the values in these exhibits and appendices may not be appropriate for other purposes. We anticipate the exhibits and appendices will be shared with contracted CCOs, CMS and other interested parties. Milliman does not intend to service, and assumes no duty or liability to, other parties who receive this work. It should only be distributed and reviewed in its entirety. These capitation rates may not be appropriate for all CCOs. Any CCO considering participating in MississippiCAN should consider their unique circumstances before deciding to contract under these rates.

The results of these exhibits and appendices are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

The authors of these exhibits and appendices are actuaries employed by Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion.

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		Non-Newborn SSI / Disabled Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
<i>a</i>	CY 2019 Member Months	765,558	765,558	765,558	765,558	765,558	765,558	765,558
<i>b</i>	Total Allowed Dollars	\$147,482,789	\$157,980,759	\$170,679,044	\$236,660,714	\$7,166,959	\$47,509,448	\$767,479,712
<i>c = b / a</i>	CY 2019 PMPM Costs	\$192.65	\$206.36	\$222.95	\$309.13	\$9.36	\$62.06	\$1,002.51
<i>d</i>	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.006
<i>e</i>	Non-Covered Services	1.000	1.000	0.986	0.963	1.000	1.000	0.986
<i>f</i>	Provider Reimbursement Adjustment	1.000	1.000	1.025	1.000	1.000	1.000	1.006
<i>g</i>	Zolgensma Carveout	1.000	1.000	0.963	1.000	1.000	1.000	0.992
<i>h</i>	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
<i>i</i>	5% Assessment - Provider Adjustment	1.000	0.998	0.993	1.000	0.986	0.989	0.997
<i>j</i>	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>k</i>	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>l</i>	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>m</i>	SSI Children - COE Change	1.004	1.000	1.000	1.000	1.000	1.000	1.001
<i>n</i>	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	0.999
<i>o</i>	Missing Data	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>p</i>	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>Product of c through p</i>	Adjusted CY 2019 PMPM Costs	\$194.50	\$207.18	\$216.77	\$296.79	\$9.28	\$61.78	\$986.30

		Breast and Cervical Cancer Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
<i>a</i>	CY 2019 Member Months	1,187	1,187	1,187	1,187	1,187	1,187	1,187
<i>b</i>	Total Allowed Dollars	\$227,951	\$1,850,103	\$1,207,925	\$627,794	\$9,718	\$48,999	\$3,972,490
<i>c = b / a</i>	CY 2019 PMPM Costs	\$192.04	\$1,558.64	\$1,017.63	\$528.89	\$8.19	\$41.28	\$3,346.66
<i>d</i>	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.007
<i>e</i>	Non-Covered Services	1.000	1.000	0.989	0.938	1.000	1.000	0.987
<i>f</i>	Provider Reimbursement Adjustment	1.000	1.000	1.008	1.000	1.000	1.000	1.002
<i>g</i>	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>h</i>	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
<i>i</i>	5% Assessment - Provider Adjustment	1.000	1.000	0.999	1.000	0.975	0.993	0.999
<i>j</i>	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.993	1.000	1.000	0.999
<i>k</i>	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>l</i>	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>m</i>	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>n</i>	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
<i>o</i>	Missing Data	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>p</i>	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>Product of c through p</i>	Adjusted CY 2019 PMPM Costs	\$193.10	\$1,566.99	\$1,018.87	\$490.82	\$8.03	\$41.23	\$3,319.04

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		MA Adult Rate Cell - Non-Deliveries						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	493,779	493,779	493,779	493,779	493,779	493,779	493,779
b	Total Allowed Dollars	\$21,107,291	\$55,207,997	\$60,705,110	\$56,566,654	\$3,443,218	\$6,198,467	\$203,228,738
c = b / a	CY 2019 PMPM Costs	\$42.75	\$111.81	\$122.94	\$114.56	\$6.97	\$12.55	\$411.58
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.006
e	Non-Covered Services	1.000	1.000	0.987	0.973	1.000	1.000	0.989
f	Provider Reimbursement Adjustment	1.000	1.000	1.006	1.000	1.000	1.000	1.002
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.995	1.000	0.988	0.990	0.998
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	0.999
o	Missing Data	1.001	1.000	1.000	1.000	1.000	1.000	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p	Adjusted CY 2019 PMPM Costs	\$43.05	\$112.46	\$122.14	\$111.02	\$6.93	\$12.49	\$408.09

		MA Adult Rate Cell - Deliveries						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	493,779	493,779	493,779	493,779	493,779	493,779	493,779
b	Total Allowed Dollars	\$16,140,778	\$56,718	\$4,299,548	\$79,816	\$323	\$92,096	\$20,669,280
c = b / a	CY 2019 PMPM Costs	\$32.69	\$0.11	\$8.71	\$0.16	\$0.00	\$0.19	\$41.86
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.008
e	Non-Covered Services	1.000	1.000	0.987	0.973	1.000	1.000	0.997
f	Provider Reimbursement Adjustment	1.000	1.000	1.005	1.000	1.000	1.000	1.001
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.998	1.000	0.986	0.992	1.000
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.001	1.000	1.000	1.000	1.000	1.000	1.001
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p	Adjusted CY 2019 PMPM Costs	\$32.91	\$0.12	\$8.67	\$0.16	\$0.00	\$0.19	\$42.04

PMPM costs are calculated using allowed amounts for 3,445 MA Adult deliveries and total MA Adult rate cell membership.

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		Pregnant Women Rate Cell - Non-Deliveries						
Calculation Step	CY 2019 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2019 Member Months	137,224	137,224	137,224	137,224	137,224	137,224	137,224
b	Total Allowed Dollars	\$4,833,205	\$15,870,522	\$27,127,388	\$7,075,967	\$686,206	\$1,273,137	\$56,866,427
c = b / a	CY 2019 PMPM Costs	\$35.22	\$115.65	\$197.69	\$51.57	\$5.00	\$9.28	\$414.41
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.007
e	Non-Covered Services	1.000	1.000	1.000	0.997	1.000	1.000	0.999
f	Provider Reimbursement Adjustment	1.000	1.000	1.003	1.000	1.000	1.000	1.001
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.998	1.000	0.993	0.994	0.999
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.000	1.002	1.000	1.000	1.000	1.000	1.001
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$35.43	\$116.54	\$198.96	\$51.19	\$4.99	\$9.27	\$416.38

		Pregnant Women Rate Cell - Deliveries						
Calculation Step	CY 2019 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2019 Member Months	137,224	137,224	137,224	137,224	137,224	137,224	137,224
b	Total Allowed Dollars	\$62,938,644	\$191,123	\$17,084,088	\$317,743	\$324	\$202,941	\$80,734,863
c = b / a	CY 2019 PMPM Costs ¹	\$458.66	\$1.39	\$124.50	\$2.32	\$0.00	\$1.48	\$588.34
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.008
e	Non-Covered Services	1.000	1.000	1.000	0.997	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.003	1.000	1.000	1.000	1.001
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.999	1.000	1.000	0.993	1.000
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.000	1.001	1.000	1.000	1.000	1.000	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$461.30	\$1.40	\$125.36	\$2.30	\$0.00	\$1.48	\$591.83

PMPM costs are calculated using allowed amounts for 15,813 Pregnant Women deliveries and total Pregnant Women rate cell membership.

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		SSI / Disabled Newborn Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	6,340	6,340	6,340	6,340	6,340	6,340	6,340
b	Total Allowed Dollars	\$30,953,749	\$1,435,846	\$9,864,800	\$3,717,886	\$4,494	\$1,676,424	\$47,653,200
c = b / a	CY 2019 PMPM Costs	\$4,882.29	\$226.47	\$1,555.96	\$586.42	\$0.71	\$264.42	\$7,516.28
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.008
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.009	1.000	1.000	1.000	1.002
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.998	1.000	0.990	0.988	0.999
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.000	1.000	1.000	1.000	1.000	1.000	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$4,909.13	\$227.69	\$1,576.10	\$584.17	\$0.71	\$262.73	\$7,560.52

		Non-SSI Newborns 0 to 2 Months Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	75,312	75,312	75,312	75,312	75,312	75,312	75,312
b	Total Allowed Dollars	\$104,016,734	\$4,012,403	\$25,499,948	\$669,632	\$49,420	\$1,102,277	\$135,350,413
c = b / a	CY 2019 PMPM Costs'	\$1,381.14	\$53.28	\$338.59	\$8.89	\$0.66	\$14.64	\$1,797.20
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.008
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.013	1.000	1.000	1.000	1.002
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.998	1.000	0.997	0.995	1.000
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.002	1.000	1.000	1.001	1.000	1.000	1.001
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$1,390.98	\$53.57	\$344.18	\$8.87	\$0.66	\$14.64	\$1,812.89

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		Non-SSI Newborns 3 to 12 Months Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	252,667	252,667	252,667	252,667	252,667	252,667	252,667
b	Total Allowed Dollars	\$9,650,331	\$14,738,237	\$27,081,847	\$6,016,033	\$249,559	\$1,361,943	\$59,097,951
c = b / a	CY 2019 PMPM Costs	\$38.19	\$58.33	\$107.18	\$23.81	\$0.99	\$5.39	\$233.90
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.007
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.015	1.000	1.000	1.000	1.007
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	1.000	0.994	1.000	0.990	0.990	0.997
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.000	1.000	1.000	1.001	1.000	1.000	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$38.40	\$58.66	\$108.67	\$23.75	\$0.98	\$5.37	\$235.83

		Foster Care Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	78,904	78,904	78,904	78,904	78,904	78,904	78,904
b	Total Allowed Dollars	\$23,516,494	\$3,420,852	\$10,269,470	\$5,836,415	\$2,145,298	\$958,907	\$46,147,435
c = b / a	CY 2019 PMPM Costs	\$298.04	\$43.35	\$130.15	\$73.97	\$27.19	\$12.15	\$584.86
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.007
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.008	1.000	1.000	1.000	1.002
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	0.991	0.981	1.000	0.976	0.976	0.993
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.001	1.000	1.000	1.000	1.000	1.000	1.001
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$300.01	\$43.19	\$129.53	\$73.66	\$26.67	\$11.92	\$584.98

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		MYPAC Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	7,776	7,776	7,776	7,776	7,776	7,776	7,776
b	Total Allowed Dollars	\$3,957,611	\$416,512	\$22,198,644	\$1,276,733	\$245,929	\$146,732	\$28,242,161
c = b / a	CY 2019 PMPM Costs	\$508.95	\$53.56	\$2,854.76	\$164.19	\$31.63	\$18.87	\$3,631.97
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.008
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.001	1.000	1.000	1.000	1.000
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	0.999	0.987	1.000	0.986	0.989	0.989
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.998	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
o	Missing Data	1.000	1.000	1.000	1.000	1.000	1.000	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$511.75	\$53.83	\$2,833.82	\$163.43	\$31.35	\$18.77	\$3,612.95

		MA Children Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	3,071,992	3,071,992	3,071,992	3,071,992	3,071,992	3,071,992	3,071,992
b	Total Allowed Dollars	\$57,206,280	\$109,716,005	\$190,146,059	\$106,880,645	\$79,120,267	\$15,182,129	\$558,251,384
c = b / a	CY 2019 PMPM Costs	\$18.62	\$35.71	\$61.90	\$34.79	\$25.76	\$4.94	\$181.72
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.007
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.008	1.000	1.000	1.000	1.003
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	0.998	0.992	1.000	0.987	0.988	0.995
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	0.999
o	Missing Data	1.000	1.000	1.000	1.000	1.000	1.001	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$18.73	\$35.84	\$62.27	\$34.67	\$25.55	\$4.91	\$181.96

Exhibit 1A
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2019 Encounter Data

		Quasi-CHIP Rate Cell						
		Category of Service						
Calculation Step	CY 2019 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
a	CY 2019 Member Months	332,512	332,512	332,512	332,512	332,512	332,512	332,512
b	Total Allowed Dollars	\$5,367,303	\$9,045,012	\$19,307,958	\$14,449,149	\$10,862,854	\$1,851,030	\$60,883,307
c = b / a	CY 2019 PMPM Costs	\$16.14	\$27.20	\$58.07	\$43.45	\$32.67	\$5.57	\$183.10
d	Encounter to Financial Adjustment	1.008	1.008	1.008	1.002	1.008	1.008	1.007
e	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.010	1.000	1.000	1.000	1.003
g	Zolgensma Carveout	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	TPL Adjustment	0.997	0.997	0.997	0.997	0.997	0.997	0.997
i	5% Assessment - Provider Adjustment	1.000	0.999	0.994	1.000	0.988	0.988	0.995
j	340B Pharmacy Pricing Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
k	IMD Removal	1.000	1.000	1.000	1.000	1.000	1.000	1.000
l	IMD Additions	1.000	1.000	1.000	1.000	1.000	1.000	1.000
m	SSI Children - COE Change	1.000	1.000	1.000	1.000	1.000	1.000	1.000
n	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	0.999
o	Missing Data	1.000	1.000	1.000	1.001	1.000	1.000	1.000
p	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Product of c through p Adjusted CY 2019 PMPM Costs		\$16.23	\$27.32	\$58.59	\$43.31	\$32.45	\$5.53	\$183.42

Exhibit 1B Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2018 Encounter Data								
Breast and Cervical Cancer Rate Cell								
Calculation Step	CY 2018 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2018 Member Months	1,090	1,090	1,090	1,090	1,090	1,090	1,090
b	Total Allowed Dollars	\$216,492	\$1,593,617	\$1,021,306	\$423,271	\$8,377	\$51,999	\$3,315,063
c	CY 2018 PMPM Costs	\$198.62	\$1,462.03	\$936.98	\$388.32	\$7.69	\$47.71	\$3,041.34
d	Non-Covered Services	1.000	1.000	0.981	0.959	1.000	1.000	0.989
e	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	0.994	1.000	1.000	1.000	0.998
g	HPE Newborn Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	5% Assessment - Provider Adjustment	1.000	1.000	0.998	1.000	0.959	0.994	0.999
j	5% Assessment - OPPS Adjustment	1.000	0.995	1.000	1.000	1.000	1.000	0.998
k	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
Product of c through k Subtotal: CY 2018 Adjusted Costs		\$198.50	\$1,453.67	\$910.81	\$371.10	\$7.36	\$47.39	\$2,988.83
CY 2018 to CY 2019 Trends								
l	Utilization Trend 2018 to 2019	1.020	1.020	1.060	0.995	0.970	1.060	1.030
m	Charge Trend 2018 to 2019	1.000	1.010	1.001	1.100	1.000	1.001	1.017
CY 2018 to CY 2019 Program Changes								
n	PRTF Services Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
o	PDL Adjustment	1.000	1.000	1.000	0.989	1.000	1.000	0.999
p	Physician Limit Expansion Adjustment	1.000	1.000	1.010	1.000	1.000	1.000	1.003
q	Rx Limit Adjustment	1.000	1.000	1.000	1.021	1.000	1.000	1.003
r	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CY 2018 to CY 2019 Reimbursement Methodology Change:								
s	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
t	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.853	0.998
u	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.999
Product of c through u CY 2018 PMPM Costs - Adjusted to CY 2019		\$199.94	\$1,497.24	\$976.69	\$410.12	\$7.14	\$42.90	\$3,134.04

Exhibit 1B
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
CY 2018 Encounter Data

		Pregnant Women Rate Cell - Non-Deliveries						
		Category of Service						
Calculation Step	CY 2018 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
<i>a</i>	CY 2018 Member Months	135,337	135,337	135,337	135,337	135,337	135,337	135,337
<i>b</i>	Total Allowed Dollars	\$5,688,263	\$14,980,639	\$27,189,605	\$7,260,185	\$842,120	\$1,345,194	\$67,306,007
<i>c</i>	CY 2018 PMPM Costs	\$42.03	\$110.69	\$200.90	\$53.65	\$6.22	\$9.94	\$423.43
<i>d</i>	Non-Covered Services	1.000	1.000	0.998	0.989	1.000	1.000	0.997
<i>e</i>	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
<i>f</i>	Provider Reimbursement Adjustment	1.000	1.000	0.997	1.000	1.000	1.000	0.998
<i>g</i>	HPE Newborn Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>h</i>	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>i</i>	5% Assessment - Provider Adjustment	1.000	1.000	0.994	1.000	0.964	0.983	0.996
<i>j</i>	5% Assessment - OPPS Adjustment	1.000	0.990	1.000	1.000	1.000	1.000	0.997
<i>k</i>	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
<i>Product of c through k</i>	Subtotal: CY 2018 Adjusted Costs	\$42.00	\$109.46	\$198.53	\$52.85	\$5.99	\$9.76	\$418.60
	CY 2018 to CY 2019 Trends							
<i>l</i>	Utilization Trend 2018 to 2019	0.990	1.000	1.000	0.995	0.970	1.000	0.998
<i>m</i>	Charge Trend 2018 to 2019	1.000	1.010	1.001	1.095	1.000	1.001	1.015
	CY 2018 to CY 2019 Program Changes							
<i>n</i>	PRTF Services Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>o</i>	PDL Adjustment	1.000	1.000	1.000	0.998	1.000	1.000	1.000
<i>p</i>	Physician Limit Expansion Adjustment	1.000	1.000	1.002	1.000	1.000	1.000	1.001
<i>q</i>	Rx Limit Adjustment	1.000	1.000	1.000	1.006	1.000	1.000	1.001
<i>r</i>	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	CY 2018 to CY 2019 Reimbursement Methodology Change:							
<i>s</i>	OP Dental Adjustment	1.000	0.999	1.000	1.000	1.000	1.000	1.000
<i>t</i>	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.985	1.000
<i>u</i>	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.999
<i>Product of c through u</i>	CY 2018 PMPM Costs - Adjusted to CY 2019	\$41.06	\$110.41	\$199.14	\$57.82	\$5.81	\$9.63	\$423.87

		Pregnant Women Rate Cell - Deliveries						
		Category of Service						
Calculation Step	CY 2018 PMPM Cost Development	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
<i>a</i>	CY 2018 Member Months	135,337	135,337	135,337	135,337	135,337	135,337	135,337
<i>b</i>	Total Allowed Dollars	\$65,051,086	\$117,933	\$18,206,474	\$302,430	\$373	\$244,301	\$83,922,596
<i>c</i>	CY 2018 PMPM Costs ¹	\$480.66	\$0.87	\$134.53	\$2.23	\$0.00	\$1.81	\$620.10
<i>d</i>	Non-Covered Services	1.000	1.000	0.998	0.989	1.000	1.000	0.999
<i>e</i>	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.998	1.000	1.000	1.000
<i>f</i>	Provider Reimbursement Adjustment	1.000	1.000	0.996	1.000	1.000	1.000	0.999
<i>g</i>	HPE Newborn Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>h</i>	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>i</i>	5% Assessment - Provider Adjustment	1.000	0.997	0.995	1.000	0.956	0.982	0.999
<i>j</i>	5% Assessment - OPPS Adjustment	1.000	0.988	1.000	1.000	1.000	1.000	1.000
<i>k</i>	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
<i>Product of c through k</i>	Subtotal: CY 2018 Adjusted Costs	\$480.37	\$0.86	\$132.84	\$2.20	\$0.00	\$1.77	\$618.04
	CY 2018 to CY 2019 Trends							
<i>l</i>	Utilization Trend 2018 to 2019	1.010	1.010	1.000	1.010	1.000	1.000	1.008
<i>m</i>	Charge Trend 2018 to 2019	1.000	1.010	1.001	1.095	1.000	1.001	1.001
	CY 2018 to CY 2019 Program Changes							
<i>n</i>	PRTF Services Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>o</i>	PDL Adjustment	1.000	1.000	1.000	0.999	1.000	1.000	1.000
<i>p</i>	Physician Limit Expansion Adjustment	1.000	1.000	1.002	1.000	1.000	1.000	1.000
<i>q</i>	Rx Limit Adjustment	1.000	1.000	1.000	1.006	1.000	1.000	1.000
<i>r</i>	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	CY 2018 to CY 2019 Reimbursement Methodology Change:							
<i>s</i>	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<i>t</i>	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.996	1.000
<i>u</i>	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.990
<i>Product of c through u</i>	CY 2018 PMPM Costs - Adjusted to CY 2019	\$479.11	\$0.88	\$133.24	\$2.45	\$0.00	\$1.77	\$617.44

¹ PMPM costs are calculated using allowed amounts for 16,007 Pregnant Women deliveries and total Pregnant Women rate cell membership.

Exhibit 1B Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2018 Encounter Data								
SSI / Disabled Newborn Rate Cell								
Calculation Step	CY 2018 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2018 Member Months	6,311	6,311	6,311	6,311	6,311	6,311	6,311
b	Total Allowed Dollars	\$32,864,910	\$2,416,812	\$8,931,077	\$3,081,961	\$3,714	\$2,315,469	\$49,613,945
c	CY 2018 PMPM Costs	\$5,207.56	\$382.95	\$1,415.16	\$488.35	\$0.59	\$366.89	\$7,861.50
d	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
e	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.998	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.029	1.000	1.000	1.000	1.005
g	HPE Newborn Adjustment	1.001	1.000	1.000	1.000	1.000	1.000	1.001
h	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	5% Assessment - Provider Adjustment	1.000	1.000	0.997	1.000	0.971	0.972	0.998
j	5% Assessment - OPPS Adjustment	1.000	0.996	1.000	1.000	1.000	1.000	1.000
k	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
Product of c through k	Subtotal: CY 2018 Adjusted Costs	\$5,210.24	\$381.33	\$1,451.42	\$486.84	\$0.57	\$356.25	\$7,886.65
CY 2018 to CY 2019 Trends								
l	Utilization Trend 2018 to 2019	1.030	1.010	1.030	1.030	0.990	1.030	1.029
m	Charge Trend 2018 to 2019	1.000	1.010	1.001	1.005	1.000	1.001	1.001
CY 2018 to CY 2019 Program Changes								
n	PRTF Services Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
o	PDL Adjustment	1.000	1.000	1.000	1.003	1.000	1.000	1.000
p	Physician Limit Expansion Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
q	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
r	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CY 2018 to CY 2019 Reimbursement Methodology Change:								
s	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
t	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.990	1.000
u	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.992
Product of c through u	CY 2018 PMPM Costs - Adjusted to CY 2019	\$5,299.48	\$388.91	\$1,496.84	\$505.26	\$0.57	\$363.85	\$8,054.90

Exhibit 1B Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2018 Encounter Data								
Non-SSI Newborns 0 to 2 Months Rate Cell								
Calculation Step	CY 2018 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2018 Member Months	76,100	76,100	76,100	76,100	76,100	76,100	76,100
b	Total Allowed Dollars	\$101,925,618	\$3,851,733	\$25,111,112	\$644,480	\$43,105	\$1,369,822	\$132,945,870
c	CY 2018 PMPM Costs	\$1,339.36	\$50.61	\$329.98	\$8.47	\$0.57	\$18.00	\$1,746.99
d	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
e	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
f	Provider Reimbursement Adjustment	1.000	1.000	1.023	1.000	1.000	1.000	1.004
g	HPE Newborn Adjustment	1.006	1.001	1.002	1.000	1.001	1.004	1.005
h	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	5% Assessment - Provider Adjustment	1.000	1.000	0.992	1.000	0.987	0.985	0.998
j	5% Assessment - OPPS Adjustment	1.000	0.992	1.000	1.000	1.000	1.000	1.000
k	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
Product of c through k	Subtotal: CY 2018 Adjusted Costs	\$1,346.31	\$50.20	\$335.15	\$8.44	\$0.56	\$17.79	\$1,758.45
CY 2018 to CY 2019 Trends								
l	Utilization Trend 2018 to 2019	1.030	1.010	1.030	1.030	0.990	1.030	1.029
m	Charge Trend 2018 to 2019	1.000	1.010	1.001	1.005	1.000	1.001	1.001
CY 2018 to CY 2019 Program Changes								
n	PRTF Services Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
o	PDL Adjustment	1.000	1.000	1.000	1.003	1.000	1.000	1.000
p	Physician Limit Expansion Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
q	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
r	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CY 2018 to CY 2019 Reimbursement Methodology Change:								
s	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
t	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.997	1.000
u	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.990
Product of c through u	CY 2018 PMPM Costs - Adjusted to CY 2019	\$1,369.37	\$51.19	\$345.64	\$8.76	\$0.55	\$18.29	\$1,793.81

Exhibit 1B Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2018 Encounter Data								
Foster Care Rate Cell								
Calculation Step	CY 2018 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2018 Member Months	77,192	77,192	77,192	77,192	77,192	77,192	77,192
b	Total Allowed Dollars	\$8,923,087	\$3,382,849	\$9,121,108	\$5,629,705	\$2,290,780	\$713,690	\$30,061,218
c	CY 2018 PMPM Costs	\$115.60	\$43.82	\$118.16	\$72.93	\$29.68	\$9.25	\$389.43
d	Non-Covered Services	1.000	1.000	1.000	1.000	1.000	1.000	1.000
e	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	0.999
f	Provider Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	HPE Newborn Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	5% Assessment - Provider Adjustment	1.000	0.987	0.967	1.000	0.956	0.961	0.984
j	5% Assessment - OPPS Adjustment	1.000	0.989	1.000	1.000	1.000	1.000	0.999
k	TPL Adjustment	0.999	0.999	0.999	0.999	0.999	0.999	0.999
Product of c through k		\$115.53	\$42.76	\$114.23	\$72.67	\$28.34	\$8.88	\$382.41
CY 2018 to CY 2019 Trends								
l	Utilization Trend 2018 to 2019	1.030	1.010	1.030	1.030	0.990	1.030	1.025
m	Charge Trend 2018 to 2019	1.000	1.010	1.001	1.005	1.000	1.001	1.002
CY 2018 to CY 2019 Program Changes								
n	PRTF Services Adjustment	2.381	1.000	1.000	1.000	1.000	1.000	1.418
o	PDL Adjustment	1.000	1.000	1.000	1.003	1.000	1.000	1.000
p	Physician Limit Expansion Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
q	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
r	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CY 2018 to CY 2019 Reimbursement Methodology Change:								
s	OP Dental Adjustment	1.000	0.985	1.000	1.000	1.000	1.000	0.999
t	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
u	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.994
Product of c through u		\$279.76	\$42.95	\$117.80	\$75.42	\$28.06	\$9.16	\$553.15

Exhibit 1C Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development CY 2018 FFS Data for MYPAC Rate Cell								
MYPAC Rate Cell								
Calculation Step	CY 2018 PMPM Cost Development	Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
a	CY 2018 Member Months	5,469	5,469	5,469	5,469	5,469	5,469	5,469
b	Total Allowed Dollars	\$1,444,616	\$260,218	\$16,192,576	\$874,965	\$163,588	\$133,103	\$19,069,065
c	CY 2018 PMPM Costs	\$264.15	\$47.58	\$2,960.79	\$159.99	\$29.91	\$24.34	\$3,486.76
d	Drug Services Rebate Adjustment	1.000	1.000	1.000	0.997	1.000	1.000	1.000
e	IBNR Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
f	TPL Adjustment	0.992	0.992	0.992	0.992	0.992	0.992	0.992
g	Utilization Trend Q1 to Q3 2018 to CY 2018	1.004	1.001	1.000	1.004	0.999	1.004	1.001
h	Charge Trend Q1 to Q3 2018 to CY 2018	1.000	1.001	1.000	1.001	1.000	1.000	1.000
i	5% Assessment - OPPS Adjustment	1.000	1.004	1.000	1.000	1.000	1.000	1.000
j	PRTF Append Q4 2018 Experience	1.026	1.000	1.000	1.000	1.000	1.000	1.002
k	MYPAC Seasonality Adjustment	0.989	0.989	0.989	0.989	0.989	0.989	0.989
Product of c through k	Subtotal: CY 2018 Adjusted Costs	\$266.84	\$46.96	\$2,904.10	\$157.13	\$29.30	\$23.96	\$3,428.30
	CY 2018 to CY 2019 Trends							
l	Utilization Trend 2018 to 2019	1.030	1.010	1.001	1.030	0.990	1.030	1.005
m	Charge Trend 2018 to 2019	1.000	1.010	1.000	1.005	1.000	1.001	1.000
	CY 2018 to CY 2019 Program Changes							
n	PRTF Adjusting to CY 2019 Basis	1.076	1.000	1.000	1.000	1.000	1.000	1.006
o	PDL Adjustment	1.000	1.000	1.000	1.003	1.000	1.000	1.000
	CY 2018 to CY 2019 Reimbursement Methodology Change:							
p	OP Dental Adjustment	1.000	0.997	1.000	1.000	1.000	1.000	1.000
q	GME Adjustment	0.988	1.000	1.000	1.000	1.000	1.000	0.999
Product of c through q	CY 2018 PMPM Costs - Trended to CY 2019	\$292.14	\$47.74	\$2,907.51	\$163.08	\$29.00	\$24.71	\$3,464.18

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions							
Non-Newborn SSI / Disabled Rate Cell							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
	Base Period Summaries						
a	CY 2019 PMPM Costs	\$194.50	\$207.18	\$216.77	\$296.79	\$9.28	\$61.78
	Trends						
b	Utilization Trend Factors CY 2019 to SFY 2023	1.018	1.018	1.053	1.128	0.899	1.053
c	Charge Trend Factors CY 2019 to SFY 2023	0.997	0.997	1.045	1.090	1.000	1.027
d	Emergency Services Savings Adjustment	1.000	0.982	0.995	1.000	1.000	1.000
	Population Changes						
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000		1.000	1.000	1.000
	Program Changes						
g	ASD Adjustment	1.000	1.000	1.001	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.031	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
	Reimbursement Changes						
k	OP Dental Adjustment	1.000	0.999	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.966
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.071
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.005	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.007	1.023	1.000	1.048	1.036
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.019	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.009	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$189.99	\$207.65	\$244.19	\$356.92	\$8.99	\$71.57

Breast and Cervical Cancer Rate Cell							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
	Base Period Summaries						
	CY 2018 MMs	1,090	1,090	1,090	1,090	1,090	1,090
	CY 2018 PMPM Costs - Trended to CY 2019	\$199.94	\$1,497.24	\$976.69	\$410.12	\$7.14	\$42.90
	CY 2019 MMs	1,187	1,187	1,187	1,187	1,187	1,187
	CY 2019 PMPM Costs	\$193.10	\$1,566.99	\$1,018.87	\$490.82	\$8.03	\$41.23
a	Blended CY 2018 & CY 2019 PMPM Costs	\$196.37	\$1,533.60	\$998.68	\$452.19	\$7.60	\$42.03
	Trends						
b	Utilization Trend Factors CY 2019 to SFY 2023	1.018	1.018	1.053	1.128	0.899	1.053
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.042	1.090	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	0.998	0.999	1.000	1.000	1.000
	Population Changes						
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000		1.000	1.000	1.000
	Program Changes						
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.122	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
	Reimbursement Changes						
k	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.987
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.044
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.001	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.000	1.004	1.000	1.051	1.027
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.011	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$191.38	\$1,549.89	\$1,100.59	\$591.42	\$7.27	\$47.78

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions							
MA Adult Rate Cell - Non-Deliveries							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
a	Base Period Summaries CY 2019 PMPM Costs	\$43.05	\$112.46	\$122.14	\$111.02	\$6.93	\$12.49
b	Trends Utilization Trend Factors CY 2019 to SFY 2023	0.965	1.000	1.000	1.147	0.899	1.000
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.072	1.109	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	0.937	0.983	1.000	1.000	1.000
e	Population Changes COVID-19 Population Acuity Adjustment	1.023	1.023	1.023	1.023	1.023	1.023
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
g	Program Changes ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.034	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.959	1.000	1.000
k	Reimbursement Changes OP Dental Adjustment	1.000	0.999	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.932
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.126
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.012	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.001	1.018	1.000	1.047	1.038
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.017	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.001	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$40.71	\$107.22	\$135.53	\$143.26	\$6.79	\$14.19

MA Adult Rate Cell - Deliveries							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
a	Base Period Summaries CY 2019 PMPM Costs	\$32.91	\$0.12	\$8.67	\$0.16	\$0.00	\$0.19
b	Trends Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.035	1.000	1.035	1.000	1.000
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.072	1.109	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
e	Population Changes COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
g	Program Changes ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.034	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.995	1.000	1.000
k	Reimbursement Changes OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.910
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.401
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.000	1.008	1.000	1.051	1.045
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.018	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.001	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$32.63	\$0.12	\$9.37	\$0.19	\$0.00	\$0.25

PMPM costs are calculated using allowed amounts for 3,445 MA Adult deliveries and total MA Adult rate cell membership in 2019.

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions							
Pregnant Women Rate Cell - Non-Deliveries							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
	Base Period Summaries						
	CY 2018 MMs	135,337	135,337	135,337	135,337	135,337	135,337
	CY 2018 PMPM Costs - Trended to CY 2019	\$41.06	\$110.41	\$199.14	\$57.82	\$5.81	\$9.83
	CY 2019 MMs	137,224	137,224	137,224	137,224	137,224	137,224
	CY 2019 PMPM Costs	\$35.43	\$116.54	\$198.96	\$51.19	\$4.99	\$9.27
a	Blended CY 2018 & CY 2019 PMPM Costs	\$38.23	\$113.50	\$199.05	\$54.48	\$5.40	\$9.45
	Trends						
b	Utilization Trend Factors CY 2019 to SFY 2023	0.965	1.000	1.000	1.147	0.899	1.000
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.072	1.109	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	0.936	0.988	1.000	1.000	1.000
	Population Changes						
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	0.990	0.990	0.990	0.990	0.990	0.990
	Program Changes						
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.008	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.959	1.000	1.000
	Reimbursement Changes						
k	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.970
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.181
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.008	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.000	1.010	1.000	1.048	1.039
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.018	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.006	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$34.98	\$104.52	\$212.41	\$66.29	\$5.16	\$11.36
							\$434.72

Pregnant Women Rate Cell - Deliveries							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
	Base Period Summaries						
	CY 2018 MMs	135,337	135,337	135,337	135,337	135,337	135,337
	CY 2018 PMPM Costs - Trended to CY 2019	\$479.11	\$0.88	\$133.24	\$2.45	\$0.00	\$1.77
	CY 2019 MMs	137,224	137,224	137,224	137,224	137,224	137,224
	CY 2019 PMPM Costs	\$461.30	\$1.40	\$125.36	\$2.30	\$0.00	\$1.48
a	Blended CY 2018 & CY 2019 PMPM Costs	\$470.14	\$1.14	\$129.27	\$2.37	\$0.00	\$1.62
	Trends						
b	Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.035	1.000	1.035	1.000	1.000
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.072	1.109	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
	Population Changes						
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	0.975	0.975	0.975	0.975	0.975	0.975
	Program Changes						
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.008	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.995	1.000	1.000
	Reimbursement Changes						
k	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.970
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.398
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.000	1.008	1.000	1.047	1.048
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.018	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.007	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$454.60	\$1.15	\$136.16	\$2.66	\$0.00	\$2.29
							\$596.86

PMPM costs are calculated using allowed amounts for 15,813 Pregnant Women deliveries and total Pregnant Women rate cell membership in 2019.

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions							
SSI / Disabled Newborn Rate Cell							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
	Base Period Summaries						
	CY 2018 MMs	6,311	6,311	6,311	6,311	6,311	6,311
	CY 2018 PMPM Costs - Trended to CY 2019	\$5,299.48	\$388.91	\$1,496.84	\$505.26	\$0.57	\$363.85
	CY 2019 MMs	6,340	6,340	6,340	6,340	6,340	6,340
	CY 2019 PMPM Costs	\$4,909.13	\$227.69	\$1,576.10	\$584.17	\$0.71	\$262.73
a	Blended CY 2018 & CY 2019 PMPM Costs	\$5,103.86	\$308.11	\$1,536.56	\$544.81	\$0.64	\$313.17
	Trends						
b	Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.035	1.072	0.965	1.035
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.999	1.063	1.053	1.000	1.037
d	Emergency Services Savings Adjustment	1.000	0.976	0.999	1.000	1.000	1.000
	Population Changes						
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
	Program Changes						
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
	Reimbursement Changes						
k	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.945
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.060
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.001	1.005	1.000	1.038	1.041
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.059	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$5,061.45	\$306.20	\$1,697.81	\$583.15	\$0.67	\$350.73
Non-SSI Newborns 0 to 2 Months Rate Cell							
Calculation Step	SFY 2023 PMPM Cost Development	Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
	Base Period Summaries						
	CY 2018 MMs	76,100	76,100	76,100	76,100	76,100	76,100
	CY 2018 PMPM Costs - Trended to CY 2019	\$1,369.37	\$51.19	\$345.64	\$8.76	\$0.55	\$18.29
	CY 2019 MMs	75,312	75,312	75,312	75,312	75,312	75,312
	CY 2019 PMPM Costs	\$1,390.98	\$53.57	\$344.18	\$8.87	\$0.66	\$14.64
a	Blended CY 2018 & CY 2019 PMPM Costs	\$1,380.12	\$52.37	\$344.91	\$8.81	\$0.61	\$16.47
	Trends						
b	Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.035	1.072	0.965	1.035
c	Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.060	1.053	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	0.954	0.998	1.000	1.000	1.000
	Population Changes						
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
	Program Changes						
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
	Reimbursement Changes						
k	OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.964
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.334
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.000	1.011	1.000	1.024	1.030
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.064	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through r	Projected SFY 2023 PMPM Costs	\$1,368.65	\$50.61	\$381.80	\$9.43	\$0.64	\$23.03

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions								
Non-SSI Newborns 3 to 12 Months Rate Cell								
Calculation Step		SFY 2023 PMPM Cost Development	Category of Service					
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
		Base Period Summaries						
a		CY 2019 PMPM Costs	\$38.40	\$58.66	\$108.67	\$23.75	\$0.98	\$5.37
		Trends						
b		Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.035	1.072	0.965	1.035
c		Charge Trend Factors CY 2019 to SFY 2023	0.995	0.995	1.061	1.053	1.000	1.020
d		Emergency Services Savings Adjustment	1.000	0.951	0.992	1.000	1.000	1.000
		Population Changes						
e		COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f		Postpartum Coverage Extension	1.000	1.000		1.000	1.000	1.000
		Program Changes						
g		ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h		Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
i		Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j		PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
		Reimbursement Changes						
k		OP Dental Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
l		NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.964
m		GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n		Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.183
o		COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
p		5% Assessment Removal Adjustment	1.000	1.000	1.021	1.000	1.036	1.041
q		Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.063	1.000
r		Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.000	1.000
Product of a through r		Projected SFY 2023 PMPM Costs	\$38.08	\$56.45	\$120.94	\$25.42	\$1.04	\$6.73

Foster Care Rate Cell								
Calculation Step		SFY 2023 PMPM Cost Development	Category of Service					
			Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
		Base Period Summaries						
		CY 2018 MMs	77,192	77,192	77,192	77,192	77,192	77,192
		CY 2018 PMPM Costs - Trended to CY 2019	\$279.76	\$42.95	\$117.80	\$75.42	\$28.06	\$9.16
		CY 2019 MMs	78,904	78,904	78,904	78,904	78,904	78,904
		CY 2019 PMPM Costs	\$300.01	\$43.19	\$129.53	\$73.66	\$26.67	\$11.92
a		Blended CY 2018 & CY 2019 PMPM Costs	\$289.99	\$43.07	\$123.73	\$74.53	\$27.36	\$10.56
		Trends						
b		Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.035	1.072	0.965	1.035
c		Charge Trend Factors CY 2019 to SFY 2023	1.155	0.994	1.063	1.053	1.000	1.030
d		Emergency Services Savings Adjustment	1.000	0.978	0.998	1.000	1.000	1.000
		Population Changes						
e		COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f		Postpartum Coverage Extension	1.000	1.000		1.000	1.000	1.000
		Program Changes						
g		ASD Adjustment	1.000	1.000	1.001	1.000	1.000	1.000
h		Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
i		Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j		PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
		Reimbursement Changes						
k		OP Dental Adjustment	1.000	0.996	1.000	1.000	1.000	1.000
l		NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.998
m		GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n		Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.053
o		COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.004	1.000	1.000	1.000
p		5% Assessment Removal Adjustment	1.000	1.015	1.037	1.000	1.049	1.048
q		Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.022	1.000
r		Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.013	1.000
Product of a through r		Projected SFY 2023 PMPM Costs	\$333.82	\$43.07	\$141.56	\$79.78	\$28.69	\$12.39

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions							
MYPAC Rate Cell							
Calculation Step		Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
SFY 2023 PMPM Cost Development		Total					
Base Period Summaries							
	CY 2018 MMs	5,469	5,469	5,469	5,469	5,469	5,469
	CY 2018 PMPM Costs - Trended to CY 2019	\$292.14	\$47.74	\$2,907.51	\$163.08	\$29.00	\$24.71
	CY 2019 MMs	7,776	7,776	7,776	7,776	7,776	7,776
	CY 2019 PMPM Costs	\$511.75	\$53.83	\$2,833.82	\$163.43	\$31.35	\$18.77
a	Blended CY 2018 & CY 2019 PMPM Costs	\$421.07	\$51.31	\$2,864.25	\$163.28	\$30.38	\$21.22
Trends							
b	Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.001	1.072	0.965	1.035
c	Charge Trend Factors CY 2019 to SFY 2023	1.034	0.994	1.002	1.053	1.000	1.020
d	Emergency Services Savings Adjustment	1.000	0.954	1.000	1.000	1.000	1.000
Population Changes							
e	COVID-19 Population Acuity Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
Program Changes							
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
Reimbursement Changes							
k	OP Dental Adjustment	1.000	0.993	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.921
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.219
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.001	1.050	1.000	1.049	1.039
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.021	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.013	1.000
Product of a through r							
Projected SFY 2023 PMPM Costs		\$434.06	\$49.20	\$3,019.60	\$174.77	\$31.82	\$26.15
							\$3,735.60

MA Children Rate Cell							
Calculation Step		Category of Service					
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other
SFY 2023 PMPM Cost Development		Total					
Base Period Summaries							
a	CY 2019 PMPM Costs	\$18.73	\$35.84	\$62.27	\$34.67	\$25.55	\$4.91
Trends							
b	Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.035	1.072	0.965	1.035
c	Charge Trend Factors CY 2019 to SFY 2023	1.037	0.994	1.061	1.053	1.000	1.021
d	Emergency Services Savings Adjustment	1.000	0.966	0.994	1.000	1.000	1.000
Population Changes							
e	COVID-19 Population Acuity Adjustment	1.031	1.031	1.031	1.031	1.031	1.031
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000
Program Changes							
g	ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000
Reimbursement Changes							
k	OP Dental Adjustment	1.000	0.989	1.000	1.000	1.000	1.000
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.981
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.093
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.009	1.000	1.000	1.000
p	5% Assessment Removal Adjustment	1.000	1.007	1.027	1.000	1.050	1.043
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.020	1.000
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.014	1.000
Product of a through r							
Projected SFY 2023 PMPM Costs		\$19.96	\$35.99	\$72.61	\$38.25	\$27.60	\$5.99
							\$200.39

Exhibit 2A Mississippi Division of Medicaid All Regions SFY 2023 MississippiCAN Capitation Rate Development Final Base Data and Projection Assumptions								
Quasi-CHIP Rate Cell								
Calculation Step		Category of Service						Total
		Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	
	SFY 2023 PMPM Cost Development							
a	Base Period Summaries CY 2019 PMPM Costs	\$16.23	\$27.32	\$58.59	\$43.31	\$32.45	\$5.53	\$183.42
b	Trends Utilization Trend Factors CY 2019 to SFY 2023	1.035	1.018	1.035	1.072	0.965	1.035	1.029
c	Charge Trend Factors CY 2019 to SFY 2023	1.047	0.994	1.061	1.053	1.000	1.020	1.037
d	Emergency Services Savings Adjustment	1.000	0.969	0.996	1.000	1.000	1.000	0.994
e	Population Changes COVID-19 Population Acuity Adjustment	1.031	1.031	1.031	1.031	1.031	1.031	1.031
f	Postpartum Coverage Extension	1.000	1.000	1.000	1.000	1.000	1.000	1.000
g	Program Changes ASD Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
h	Rx Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
i	Home Health Limit Adjustment	1.000	1.000	1.000	1.000	1.000	1.000	1.000
j	PDL Adjustment	1.000	1.000	1.000	0.948	1.000	1.000	0.987
k	Reimbursement Changes OP Dental Adjustment	1.000	0.994	1.000	1.000	1.000	1.000	0.999
l	NET Reimbursement Adjustment	1.000	1.000	1.000	1.000	1.000	0.986	1.000
m	GME Adjustment	0.963	1.000	1.000	1.000	1.000	1.000	0.997
n	Emergency Ambulance Payment Increase	1.000	1.000	1.000	1.000	1.000	1.060	1.002
o	COVID-19 Vaccine Administration Adjustment	1.000	1.000	1.009	1.000	1.000	1.000	1.003
p	5% Assessment Removal Adjustment	1.000	1.006	1.026	1.000	1.050	1.048	1.019
q	Preventative and Diagnostic Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.020	1.000	1.003
r	Restorative Dental Reimbursement Change	1.000	1.000	1.000	1.000	1.010	1.000	1.002
Product of a through r Projected SFY 2023 PMPM Costs		\$17.45	\$27.59	\$68.36	\$47.79	\$34.94	\$6.58	\$202.70

Exhibit 2B
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
MA Adult and Pregnant Women Aggregate Service PMPMs

MA Adult Rate Cell							
Projected SFY 2023 PMPM Cost Development	Category of Service						
	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
Projected SFY 2023 PMPM Costs Net of Deliveries	\$40.71	\$107.22	\$135.53	\$143.26	\$6.79	\$14.19	\$447.68
Projected Delivery Costs PMPM	\$32.63	\$0.12	\$9.37	\$0.19	\$0.00	\$0.25	\$42.56
Projected SFY 2023 PMPM Costs Including Deliveries	\$73.34	\$107.34	\$144.89	\$143.44	\$6.79	\$14.44	\$490.24

¹ PMPM costs are calculated using allowed amounts for 3,445 MA Adult deliveries in 2019.

Exhibit 2B
Mississippi Division of Medicaid
All Regions SFY 2023 MississippiCAN Capitation Rate Development
MA Adult and Pregnant Women Aggregate Service PMPMs

Pregnant Women Rate Cell							
Projected SFY 2023 PMPM Cost Development	Category of Service						
	Inpatient Hospital	Outpatient Hospital	Physician	Drug	Dental	Other	Total
Projected SFY 2023 PMPM Costs Net of Deliveries	\$34.98	\$104.52	\$212.41	\$66.29	\$5.16	\$11.36	\$434.72
Projected Delivery Costs PMPM	\$454.60	\$1.15	\$136.16	\$2.66	\$0.00	\$2.29	\$596.86
Projected SFY 2023 PMPM Costs Including Deliveries	\$489.58	\$105.66	\$348.57	\$68.95	\$5.16	\$13.65	\$1,031.58

¹ PMPM costs are calculated using allowed amounts for 16,007 Pregnant Women deliveries in 2018 and 15,813 Pregnant Women deliveries in 2019.

Exhibit 3										
Mississippi Division of Medicaid										
SFY 2023 MississippiCAN Capitation Rate Development										
Statewide Non-Service Expense Allocation Development										
	a	b	c	d	e = d × j	f	g = f × j	h	i = h × j	j = (b + c) / (1 - d - f - h)
Rate Cell	Projected SFY 2023 Membership	SFY 2023 PMPM Cost	Fixed Non-Service Expense Load	Non-Service Percentage	Non-Service PMPM	Margin Percentage	Margin PMPM	Premium Tax Percentage	Premium Tax PMPM	Total
Non-Newborn SSI / Disabled	719,345	\$1,079.30	\$10.56	5.00%	\$60.48	1.80%	\$21.75	3.00%	\$36.25	\$1,208.34
Breast and Cervical Cancer	992	\$3,488.34	\$10.56	5.00%	\$194.16	1.80%	\$69.83	3.00%	\$116.38	\$3,879.26
MA Adult	469,546	\$490.24	\$10.56	5.00%	\$27.79	1.80%	\$9.99	3.00%	\$16.66	\$555.24
Pregnant Women	91,902	\$1,031.58	\$10.56	5.00%	\$57.83	1.80%	\$20.80	3.00%	\$34.66	\$1,155.43
SSI / Disabled Newborn	4,066	\$8,000.01	\$10.56	5.00%	\$444.51	1.80%	\$159.86	3.00%	\$266.44	\$8,881.39
Non-SSI Newborns 0 to 2 Months	74,603	\$1,834.16	\$10.56	5.00%	\$102.36	1.80%	\$36.81	3.00%	\$61.36	\$2,045.26
Non-SSI Newborns 3 to 12 Months	215,942	\$248.67	\$10.56	5.00%	\$14.38	1.80%	\$5.17	3.00%	\$8.62	\$287.41
Foster Care	86,381	\$639.31	\$10.56	5.00%	\$36.06	1.80%	\$12.97	3.00%	\$21.62	\$720.51
MYPAC	5,177	\$3,735.60	\$10.56	5.00%	\$207.88	1.80%	\$74.76	3.00%	\$124.60	\$4,153.40
MA Children	2,631,991	\$200.39	\$10.56	5.00%	\$11.71	1.80%	\$4.21	3.00%	\$7.02	\$233.88
Quasi-CHIP	287,026	\$202.70	\$10.56	5.00%	\$11.83	1.80%	\$4.26	3.00%	\$7.09	\$236.44
Total	4,586,971	\$433.42	\$10.56	5.00%	\$24.64	1.80%	\$8.86	3.00%	\$14.77	\$492.24

Exhibit 4						
Mississippi Division of Medicaid						
SFY 2023 MississippiCAN Capitation Rate Development						
Final SFY 2023 Capitation Rates						
	a	b	c = a × b	d = c × -1.00%	e = c + d	f
Rate Cell	SFY 2023 Statewide Capitation Rates	Area Adjustments	SFY 2023 Regional Capitation Rates	Quality Withhold	Total Rate at 1.0 Risk Score after Withhold	Projected SFY 2023 Member Months
Non-Newborn SSI / Disabled	\$1,208.34					
North Region		0.913	\$1,103.21	(\$12.08)	\$1,196.25	719,345
Central Region		1.050	1,268.75	(\$11.03)	\$1,092.18	247,720
South Region		1.040	1,256.67	(\$12.69)	\$1,256.07	263,013
				(\$12.57)	\$1,244.10	208,612
Breast and Cervical Cancer	\$3,879.26					
North Region		0.913	\$3,541.76	(\$38.79)	\$3,840.47	992
Central Region		1.050	4,073.22	(\$35.42)	\$3,506.35	195
South Region		1.040	4,034.43	(\$40.73)	\$4,032.49	301
				(\$40.34)	\$3,994.08	496
MA Adult	\$555.24					
North Region		0.944	\$524.15	(\$5.55)	\$549.69	469,546
Central Region		1.040	577.45	(\$5.24)	\$518.91	150,542
South Region		1.011	561.35	(\$5.77)	\$571.68	157,913
				(\$5.61)	\$555.74	161,091
Pregnant Women	\$1,155.43					
North Region		0.944	\$1,090.72	(\$11.55)	\$1,143.87	91,902
Central Region		1.040	1,201.64	(\$10.91)	\$1,079.82	28,371
South Region		1.011	1,168.14	(\$12.02)	\$1,189.63	33,901
				(\$11.68)	\$1,156.46	29,631
SSI / Disabled Newborn	\$8,881.39					
North Region		0.982	\$8,721.52	(\$88.81)	\$8,792.57	4,066
Central Region		1.019	9,050.13	(\$87.22)	\$8,634.31	1,256
South Region		0.996	8,845.86	(\$90.50)	\$8,959.63	1,764
				(\$88.46)	\$8,757.40	1,046
Non-SSI Newborns 0 to 2 Months	\$2,045.26					
North Region		0.982	\$2,008.45	(\$20.45)	\$2,024.81	74,603
Central Region		1.019	2,084.12	(\$20.08)	\$1,988.36	23,436
South Region		0.996	2,037.08	(\$20.84)	\$2,063.28	27,413
				(\$20.37)	\$2,016.71	23,753
Non-SSI Newborns 3 to 12 Months	\$287.41					
North Region		0.982	\$282.24	(\$2.87)	\$284.54	215,942
Central Region		1.019	292.87	(\$2.82)	\$279.42	67,161
South Region		0.996	286.26	(\$2.93)	\$289.94	79,800
				(\$2.86)	\$283.40	68,981
Foster Care	\$720.51					
North Region		0.982	\$707.54	(\$7.21)	\$713.31	86,381
Central Region		1.019	734.20	(\$7.08)	\$700.47	23,841
South Region		0.996	717.63	(\$7.34)	\$726.86	25,095
				(\$7.18)	\$710.46	37,445
MYPAC	\$4,153.40					
North Region		0.982	\$4,078.64	(\$41.53)	\$4,111.86	5,177
Central Region		1.019	4,232.31	(\$40.79)	\$4,037.85	1,619
South Region		0.996	4,136.79	(\$42.32)	\$4,189.99	1,712
				(\$41.37)	\$4,095.42	1,845
MA Children	\$233.88					
North Region		0.982	\$229.67	(\$2.34)	\$231.54	2,631,991
Central Region		1.019	238.33	(\$2.30)	\$227.38	839,490
South Region		0.996	232.95	(\$2.38)	\$235.94	959,763
				(\$2.33)	\$230.62	832,738
Quasi-CHIP	\$236.44					
North Region		0.982	\$232.19	(\$2.36)	\$234.08	287,026
Central Region		1.019	240.93	(\$2.32)	\$229.86	92,667
South Region		0.996	235.50	(\$2.41)	\$238.52	107,652
				(\$2.35)	\$233.14	86,707
Total Capitation Dollars						
Statewide Capitation Rates			\$2,257,895,690			
Regional Capitation Rates			\$2,257,760,645			

Exhibit 5 Mississippi Division of Medicaid SFY 2022 to SFY 2023 Rate Change¹													
Membership	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi- CHIP	Total - Aggregated with Actual CY 2019 MMs	Total - Aggregated with Projected SFY 2023 MMs
Actual CY 2019 MMs	765,558	1,187	493,779	137,224	6,340	75,312	252,667	78,904	7,776	3,071,992	332,512	5,223,251	N/A
Projected SFY 2023 MMs	719,345	992	469,546	91,902	4,066	74,603	215,942	86,381	5,177	2,631,991	287,026	N/A	4,586,971
SFY 2022 Capitation Rate	\$1,200.70	\$3,824.19	\$498.08	\$1,190.95	\$8,765.03	\$2,099.14	\$288.32	\$690.44	\$4,248.00	\$222.66	\$224.76	\$472.10	\$479.08
Base Period Data Update	0.998	0.999	0.991	0.989	1.028	0.991	1.004	0.987	0.989	0.997	0.997	0.996	0.996
Restate TPL on CY 2019 Claims	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
Restate Benefits Exceeding Medicaid Limits	0.999	1.007	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Restate CY 2018 to SFY 2022 Trends	0.975	0.970	1.001	0.997	0.953	0.951	0.968	0.959	0.991	0.972	0.973	0.976	0.975
Remove SFY 2021 to SFY 2022 Charge Trends	1.002	1.001	0.995	0.988	0.997	0.997	0.995	0.997	0.999	0.996	0.997	0.998	0.998
Restate CY 2019 to CY 2020 PDL Adjustment²	0.996	0.998	0.994	0.999	0.999	1.000	0.999	0.998	0.999	0.998	0.997	0.997	0.997
Remove SFY 2022 Population Acuity Adjustments³	1.000	1.000	1.093	1.000	1.000	1.000	1.000	1.000	1.000	1.031	1.031	1.019	1.019
Other Restated Assumptions	0.999	1.000	0.999	1.000	0.999	1.000	0.999	0.998	0.994	1.000	0.999	0.999	0.999
Restated SFY 2022 Rate	0.967	0.974	1.070	0.972	0.975	0.940	0.963	0.940	0.972	0.992	0.993	0.983	0.983
SFY 2022 to SFY 2023 Trends	1.050	1.047	1.037	1.030	1.046	1.044	1.055	1.118	1.013	1.046	1.044	1.047	1.047
SFY 2023 COVID-19 Population Acuity Adjustment¹	1.000	1.000	1.019	1.000	1.000	1.000	1.000	1.000	1.000	1.027	1.027	1.011	1.010
Emergency Services Savings Adjustment	0.996	0.999	0.982	0.991	0.999	0.998	0.986	0.998	0.999	0.992	0.995	0.993	0.993
PDL CY 2021 to CY 2022 Adjustment²	0.998	0.999	0.998	1.000	0.998	1.000	0.998	0.997	0.999	0.996	0.995	0.998	0.998
SFY 2022 to SFY 2023 COVID-19 Vaccine Administration Change²³	1.000	1.000	1.002	1.001	1.000	1.000	1.000	0.998	1.000	0.993	0.993	0.998	0.998
SFY 2023 Preventative and Diagnostic Dental Reimbursement Change²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.002	1.003	1.001	1.001
SFY 2023 Restorative Dental Reimbursement Change²	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.002	1.002	1.001	1.001
Postpartum Coverage Extension²	1.000	1.000	1.000	0.982	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999
Update Admin	0.997	0.997	1.002	0.995	0.997	0.995	0.997	0.999	0.995	1.000	1.000	0.998	0.998
Preliminary SFY 2023 Rate Change	1.006	1.014	1.115	0.970	1.013	0.974	0.997	1.044	0.978	1.050	1.052	1.027	1.027
SFY 2023 Rate Change - Excluding Program Changes¹	1.012	1.018	1.121	0.988	1.016	0.974	1.000	1.049	0.979	1.060	1.063	1.034	1.035
SFY 2023 Rate Change - Excluding COVID-19 Adjustments¹	1.006	1.014	0.999	0.969	1.013	0.974	0.997	1.046	0.978	0.999	1.000	0.999	1.000

¹ Rate changes exclude MHAP, MAPS, TREAT, and the quality withhold.
² Program change that increases or decreases total program costs outside of the control of the CCOs.
³ COVID-19 Adjustments include the COVID-19 Vaccine Administration Expense and the COVID-19 Population Acuity Adjustment.

Exhibit 6
Mississippi Division of Medicaid
SFY 2023 MississippiCAN Capitation Rate Development
Service Category to Milliman HCGs Grouper Category Mapping

Broad Category			Broad Category		
MR Line	of Service	Description	MR Line	of Service	Description
I11a	Inpatient Facility	Medical - General	P37d	Physician	Miscellaneous Medical - Otorhinolaryngology
I11b	Inpatient Facility	Medical - Rehabilitation	P37e	Physician	Miscellaneous Medical - Vestibular Function Tests
I12	Inpatient Facility	Surgical	P37f	Physician	Miscellaneous Medical - Non-Invas. Vasc. Diag. Studies
I13a	Inpatient Facility	Psychiatric - Hospital	P37g	Physician	Miscellaneous Medical - Pulmonology
I13b	Inpatient Facility	Psychiatric - Residential	P37h	Physician	Miscellaneous Medical - Neurology
I14a	Inpatient Facility	Alcohol and Drug Abuse - Hospital	P37i	Physician	Miscellaneous Medical - Central Nervous System Tests
I14b	Inpatient Facility	Alcohol and Drug Abuse - Residential	P37j	Physician	Miscellaneous Medical - Dermatology
I21a	Inpatient Facility	Mat Norm Delivery	P37k	Physician	Miscellaneous Medical - Dialysis
I21b	Inpatient Facility	Mat Norm Delivery - Mom / Baby Combined	P40a	Physician	Preventive Other - General
I22a	Inpatient Facility	Mat Csect Delivery	P40b	Physician	Preventive Other - Colonoscopy
I22b	Inpatient Facility	Mat Csect Delivery - Mom / Baby Combined	P40c	Physician	Preventive Other - Mammography
I23a	Inpatient Facility	Well Newborn - Normal Delivery	P40d	Physician	Preventive Other - Lab
I23b	Inpatient Facility	Well Newborn - Csect Delivery	P41	Physician	Preventive Immunizations
I23c	Inpatient Facility	Well Newborn - Unknown Delivery	P42	Physician	Preventive Well Baby Exams
I24	Inpatient Facility	Other Newborn	P43	Physician	Preventive Physical Exams
I25	Inpatient Facility	Maternity Non-Delivery	P44	Physician	Vision Exams
I31	Inpatient Facility	SNF	P45	Physician	Hearing and Speech Exams
O10a	Outpatient Facility	Observation - Without ED	P51a	Physician	ER Visits and Observation Care - Observation Care
O10b	Outpatient Facility	Observation - With ED	P51b	Physician	ER Visits and Observation Care - ER Visits
O11	Outpatient Facility	Emergency Room	P53	Physician	Physical Therapy
O12a	Outpatient Facility	Surgery - Hospital Outpatient	P54	Physician	Cardiovascular
O12b	Outpatient Facility	Surgery - Ambulatory Surgery Center	P55b	Physician	Radiology IP - CT Scan
O13a	Outpatient Facility	Radiology General - Therapeutic	P55c	Physician	Radiology IP - MRI
O13b	Outpatient Facility	Radiology General - Diagnostic	P55d	Physician	Radiology IP - PET
O14a	Outpatient Facility	Radiology - CT/MRI/PET - CT Scan	P55e	Physician	Radiology IP - General - Therapeutic
O14b	Outpatient Facility	Radiology - CT/MRI/PET - MRI	P55f	Physician	Radiology IP - General - Diagnostic
O14c	Outpatient Facility	Radiology - CT/MRI/PET - PET	P56a	Physician	Radiology OP - General - Therapeutic
O15	Outpatient Facility	Pathology/Lab	P56b	Physician	Radiology OP - General - Diagnostic
O16a	Outpatient Facility	Pharmacy - General	P57a	Physician	Radiology OP- CT/MRI/PET - CT Scan
O16b	Outpatient Facility	Pharmacy - Chemotherapy	P57b	Physician	Radiology OP- CT/MRI/PET - MRI
O17	Outpatient Facility	Cardiovascular	P57c	Physician	Radiology OP- CT/MRI/PET - PET
O18	Outpatient Facility	PT/OT/ST	P58c	Physician	Radiology Office - General - Therapeutic
O31a	Outpatient Facility	Psychiatric - Partial Hospitalization	P58d	Physician	Radiology Office - General - Diagnostic
O31b	Outpatient Facility	Psychiatric - Intensive Outpatient	P58e	Physician	Radiology Office - General - Radiology Center - Therapeutic
O32a	Outpatient Facility	Alcohol & Drug Abuse - Partial Hospitalization	P58f	Physician	Radiology Office - General - Radiology Center - Diagnostic
O32b	Outpatient Facility	Alcohol & Drug Abuse - Intensive Outpatient	P59a	Physician	Radiology Office - CT/MRI/PET - CT Scan
O41a	Outpatient Facility	Other - General	P59b	Physician	Radiology Office - CT/MRI/PET - MRI
O41b	Outpatient Facility	Other - Blood	P59c	Physician	Radiology Office - CT/MRI/PET - PET
O41d	Outpatient Facility	Other - Clinic	P59d	Physician	Radiology Office - CT/MRI/PET - CT Scan - Radiology Center
O41e	Outpatient Facility	Other - Diagnostic	P59e	Physician	Radiology Office - CT/MRI/PET - MRI - Radiology Center
O41f	Outpatient Facility	Other - Dialysis	P59f	Physician	Radiology Office - CT/MRI/PET - PET - Radiology Center
O41g	Outpatient Facility	Other - DME/Supplies	P61a	Physician	Pathology/Lab - Inpatient & Outpatient - Inpatient
O41h	Outpatient Facility	Other - Trmt/Spclty Svcs	P61b	Physician	Pathology/Lab - Inpatient & Outpatient - Outpatient
O41j	Outpatient Facility	Other - Pulmonary	P63a	Physician	Pathology/Lab - Office - General
O41l	Outpatient Facility	Other - Urgent Care	P63b	Physician	Pathology/Lab - Office - Venipuncture
O51a	Outpatient Facility	Preventive - General	P63c	Physician	Pathology/Lab - Office - Independent Lab
O51b	Outpatient Facility	Preventive - Colonoscopy	P65	Physician	Chiropractor
O51c	Outpatient Facility	Preventive - Mammography	P66	Physician	Outpatient Psychiatric
O51d	Outpatient Facility	Preventive - Lab	P67	Physician	Outpatient Alcohol & Drug Abuse
P11	Physician	Inpatient Surgery	P81a	Pharmacy	Prescription Drugs - Non-Specialty Generic
P13	Physician	Inpatient Anesthesia	P81b	Pharmacy	Prescription Drugs - Non-Specialty Multi Source Brand
P14	Physician	Outpatient Surgery	P81c	Pharmacy	Prescription Drugs - Non-Specialty Single Source Brand
P15	Physician	Office Surgery	P81e	Pharmacy	Prescription Drugs - OTC
P16	Physician	Outpatient Anesthesia	P81g	Pharmacy	Prescription Drugs - Specialty
P21a	Physician	Maternity - Normal Deliveries	P82a	Other	Private Duty Nursing/Home Health - HH
P21b	Physician	Maternity - Cesarean Deliveries	P82b	Other	Private Duty Nursing/Home Health - Hospice
P21c	Physician	Maternity - Non-Deliveries	P83	Other	Ambulance
P21d	Physician	Maternity - Ancillary	P84	Other	DME and Supplies
P21e	Physician	Maternity - Anesthesia	P85	Other	Prosthetics
P31d	Physician	Inpatient Visits - Medical	P89	Other	Glasses/Contacts
P31e	Physician	Inpatient Visits - Psychiatric	P99a	Other	Other - General
P31f	Physician	Inpatient Visits - Alcohol and Drug Abuse	P99b	Other	Other - Hearing Aids
P32c	Physician	Office/Home Visits - PCP	P99c	Dental	Other - Dental
P32d	Physician	Office/Home Visits - Specialist	P99d	Other	Other - Acupuncture
P33	Physician	Urgent Care Visits	P99e	Physician	Other - Reproductive Medicine
P34a	Physician	Office Administered Drugs - General	P99f	Physician	Other - Temporary Codes
P34b	Physician	Office Administered Drugs - Chemotherapy	P99g	Physician	Other - Documentation/Unclassified
P35	Physician	Allergy Testing	P99h	Other	Other - Non-Emergency Transportation
P36	Physician	Allergy Immunotherapy	P99z	Physician	Other - Unclassified
P37a	Physician	Miscellaneous Medical - General			
P37b	Physician	Miscellaneous Medical - Gastroenterology			
P37c	Physician	Miscellaneous Medical - Ophthalmology			

Exhibit 7A
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
All Populations
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2017	488,894	\$72.99	\$64.96	\$95.68	\$22.73	\$13.11	\$269.46
February 2017	488,069	\$71.87	\$62.72	\$94.59	\$21.47	\$12.29	\$262.94
March 2017	487,638	\$77.29	\$68.28	\$99.43	\$23.51	\$14.13	\$282.63
April 2017	486,695	\$72.00	\$63.73	\$88.85	\$20.37	\$12.98	\$257.93
May 2017	486,717	\$77.61	\$64.32	\$92.76	\$20.26	\$13.83	\$268.80
June 2017	487,844	\$73.14	\$65.53	\$86.20	\$21.92	\$13.35	\$260.15
July 2017	485,763	\$71.16	\$64.73	\$84.65	\$22.00	\$13.10	\$255.64
August 2017	483,228	\$73.77	\$67.95	\$104.07	\$25.44	\$14.16	\$285.40
September 2017	480,198	\$75.29	\$65.81	\$94.27	\$21.92	\$13.31	\$270.59
October 2017	479,517	\$74.67	\$69.12	\$101.59	\$24.18	\$14.35	\$283.91
November 2017	479,334	\$74.36	\$67.22	\$96.56	\$22.32	\$13.19	\$273.65
December 2017	474,479	\$75.19	\$65.37	\$87.18	\$17.64	\$12.37	\$257.75
CY 2017²	484,031	\$74.11	\$65.81	\$93.82	\$21.98	\$13.35	\$269.07
January 2018	469,721	\$80.51	\$68.21	\$99.90	\$20.14	\$13.23	\$281.99
February 2018	463,513	\$73.37	\$65.04	\$97.90	\$19.97	\$12.34	\$268.63
March 2018	456,311	\$75.54	\$66.70	\$95.62	\$21.47	\$13.45	\$272.77
April 2018	452,014	\$74.02	\$66.56	\$97.54	\$20.71	\$13.61	\$272.44
May 2018	450,874	\$77.73	\$68.73	\$95.36	\$18.99	\$13.98	\$274.80
June 2018	446,592	\$77.11	\$68.15	\$84.71	\$19.85	\$13.56	\$263.38
July 2018	440,538	\$74.20	\$63.01	\$91.23	\$21.86	\$14.80	\$265.10
August 2018	434,107	\$77.48	\$67.11	\$105.66	\$22.86	\$15.12	\$288.23
September 2018	429,738	\$70.01	\$62.07	\$91.92	\$18.67	\$13.86	\$256.53
October 2018	428,967	\$80.72	\$68.82	\$107.14	\$22.05	\$14.72	\$293.46
November 2018	430,443	\$76.99	\$64.46	\$95.85	\$18.48	\$12.82	\$268.60
December 2018	434,997	\$81.82	\$61.33	\$86.41	\$15.06	\$12.65	\$257.28
CY 2018²	444,818	\$76.63	\$65.85	\$95.77	\$20.01	\$13.68	\$271.93
January 2019	437,158	\$80.76	\$73.14	\$110.27	\$21.65	\$14.50	\$300.32
February 2019	435,711	\$75.45	\$70.78	\$106.62	\$18.88	\$13.52	\$285.26
March 2019	434,378	\$79.68	\$66.07	\$99.57	\$19.27	\$14.13	\$278.73
April 2019	434,409	\$81.55	\$69.35	\$104.33	\$20.32	\$14.76	\$290.31
May 2019	435,803	\$84.22	\$68.39	\$99.13	\$17.34	\$14.29	\$283.37
June 2019	436,693	\$76.87	\$67.25	\$88.08	\$18.09	\$13.51	\$263.81
July 2019	435,305	\$82.20	\$68.59	\$97.96	\$22.24	\$15.30	\$286.30
August 2019	432,317	\$80.46	\$65.66	\$106.50	\$21.33	\$16.05	\$289.99
September 2019	431,774	\$81.67	\$65.09	\$103.35	\$19.85	\$15.19	\$285.15
October 2019	432,441	\$89.83	\$70.77	\$112.63	\$22.95	\$15.38	\$311.55
November 2019	433,570	\$76.34	\$63.92	\$100.86	\$18.25	\$14.64	\$274.01
December 2019	435,872	\$83.39	\$66.25	\$99.73	\$16.24	\$14.59	\$280.20
CY 2019³	434,619	\$81.03	\$67.94	\$102.42	\$19.70	\$14.66	\$285.75
January 2020	434,836	\$83.56	\$71.63	\$113.50	\$20.49	\$15.99	\$305.16
February 2020	431,864	\$74.54	\$66.75	\$105.95	\$18.80	\$14.61	\$280.65
March 2020	430,053	\$77.09	\$54.47	\$89.27	\$12.04	\$14.56	\$247.41
April 2020	430,222	\$68.28	\$34.70	\$66.16	\$1.31	\$11.37	\$181.82
May 2020	434,732	\$75.34	\$47.64	\$76.13	\$10.05	\$12.47	\$221.62
June 2020	443,217	\$81.38	\$56.50	\$90.90	\$16.24	\$13.70	\$258.72
July 2020	450,697	\$81.65	\$56.98	\$91.91	\$17.38	\$13.20	\$261.12
August 2020	456,712	\$79.35	\$55.17	\$92.51	\$17.24	\$14.00	\$258.28
September 2020	460,699	\$76.08	\$56.87	\$94.31	\$17.42	\$13.87	\$258.55
October 2020	465,019	\$77.18	\$58.93	\$98.62	\$17.98	\$14.45	\$267.15
November 2020	470,298	\$71.43	\$55.20	\$89.34	\$15.69	\$13.64	\$245.29
December 2020	474,990	\$77.95	\$55.04	\$89.87	\$15.54	\$13.89	\$252.29
CY 2020³	448,612	\$76.99	\$55.82	\$91.54	\$15.01	\$13.81	\$253.17
Annual PMPM Trends							
CY 2017 to CY 2018		3.4%	0.1%	2.1%	-9.0%	2.5%	1.1%
CY 2018 to CY 2019		5.8%	3.2%	6.9%	-1.5%	7.1%	5.1%
CY 2019 to CY 2020		-5.0%	-17.8%	-10.6%	-23.8%	-5.8%	-11.4%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPDS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, population acuity, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2020 to be directly comparable by month.

² CY 2017, CY 2018, and CY 2019 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2020 IBNR as reported by CCOs in financial templates.

Exhibit 7B
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
SSI+ Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2017	64,675	\$179.01	\$191.88	\$196.59	\$11.64	\$58.35	\$637.48
February 2017	64,516	\$172.38	\$185.62	\$187.58	\$10.83	\$53.63	\$610.04
March 2017	64,529	\$187.06	\$207.91	\$207.60	\$11.92	\$62.25	\$676.74
April 2017	64,477	\$159.15	\$188.22	\$185.34	\$9.80	\$57.82	\$600.33
May 2017	64,406	\$195.46	\$193.51	\$202.28	\$10.21	\$61.88	\$663.34
June 2017	64,492	\$172.56	\$197.50	\$197.95	\$10.88	\$60.37	\$639.25
July 2017	64,412	\$162.96	\$198.01	\$185.10	\$10.18	\$55.84	\$612.09
August 2017	64,439	\$153.04	\$207.24	\$218.37	\$12.83	\$61.02	\$652.50
September 2017	64,346	\$180.54	\$199.64	\$199.02	\$11.07	\$57.68	\$647.95
October 2017	64,474	\$172.80	\$206.04	\$213.88	\$12.43	\$61.51	\$666.66
November 2017	64,549	\$166.74	\$196.35	\$194.98	\$10.90	\$57.01	\$625.99
December 2017	64,562	\$178.71	\$186.48	\$174.98	\$9.18	\$53.56	\$602.91
CY 2017²	64,490	\$173.37	\$196.53	\$196.97	\$10.99	\$58.41	\$636.28
January 2018	64,468	\$187.21	\$202.36	\$207.52	\$10.36	\$57.68	\$665.13
February 2018	64,351	\$171.53	\$194.02	\$202.13	\$10.13	\$53.49	\$631.31
March 2018	64,286	\$183.55	\$203.10	\$206.97	\$10.63	\$59.41	\$663.65
April 2018	64,208	\$169.94	\$203.18	\$212.52	\$10.58	\$61.15	\$657.36
May 2018	64,357	\$177.07	\$216.18	\$214.56	\$10.30	\$63.85	\$681.96
June 2018	64,050	\$167.18	\$209.49	\$194.72	\$9.92	\$61.46	\$642.77
July 2018	64,219	\$172.93	\$199.12	\$211.12	\$9.66	\$63.75	\$656.58
August 2018	64,087	\$187.71	\$212.46	\$233.75	\$11.12	\$64.38	\$709.42
September 2018	63,974	\$166.91	\$192.52	\$203.76	\$9.38	\$60.47	\$633.04
October 2018	63,957	\$177.21	\$212.20	\$232.93	\$10.68	\$63.56	\$696.59
November 2018	63,969	\$176.05	\$199.35	\$203.05	\$9.71	\$55.33	\$643.49
December 2018	63,998	\$173.48	\$178.94	\$180.23	\$7.47	\$55.60	\$595.73
CY 2018²	64,160	\$175.90	\$201.91	\$208.60	\$10.00	\$60.01	\$656.42
January 2019	63,950	\$198.55	\$229.13	\$235.10	\$10.35	\$62.70	\$735.83
February 2019	63,920	\$174.52	\$214.58	\$216.09	\$8.93	\$60.70	\$674.81
March 2019	63,698	\$179.52	\$207.73	\$220.33	\$9.04	\$63.03	\$679.65
April 2019	63,889	\$184.20	\$217.69	\$229.03	\$9.79	\$64.57	\$705.28
May 2019	63,755	\$193.42	\$220.09	\$226.57	\$8.66	\$64.86	\$713.61
June 2019	63,925	\$162.58	\$210.76	\$208.73	\$7.85	\$61.90	\$651.84
July 2019	64,022	\$184.28	\$211.74	\$222.11	\$10.19	\$65.18	\$693.50
August 2019	63,859	\$176.24	\$209.17	\$232.56	\$10.26	\$67.80	\$696.02
September 2019	63,883	\$198.08	\$203.48	\$221.67	\$9.59	\$65.87	\$698.69
October 2019	63,882	\$218.41	\$219.32	\$241.03	\$11.01	\$67.02	\$756.79
November 2019	63,905	\$184.39	\$186.38	\$203.65	\$8.42	\$65.42	\$648.26
December 2019	64,012	\$191.10	\$195.87	\$206.00	\$7.60	\$63.74	\$664.31
CY 2019³	63,892	\$187.11	\$210.49	\$221.91	\$9.31	\$64.40	\$693.22
January 2020	63,825	\$196.67	\$230.98	\$237.82	\$10.34	\$69.93	\$745.74
February 2020	63,815	\$172.64	\$209.94	\$218.36	\$9.39	\$63.82	\$674.16
March 2020	63,560	\$189.61	\$182.21	\$198.84	\$5.45	\$68.19	\$644.31
April 2020	63,477	\$141.70	\$142.69	\$150.08	\$1.42	\$56.73	\$492.61
May 2020	63,612	\$173.45	\$173.86	\$171.89	\$4.78	\$58.90	\$582.88
June 2020	63,837	\$195.53	\$196.17	\$208.35	\$7.49	\$63.67	\$671.21
July 2020	63,760	\$182.57	\$193.69	\$201.08	\$7.88	\$58.22	\$643.44
August 2020	63,722	\$172.69	\$183.49	\$201.06	\$8.42	\$60.64	\$626.30
September 2020	63,702	\$172.73	\$191.68	\$206.04	\$8.47	\$61.98	\$640.90
October 2020	63,619	\$181.21	\$197.00	\$211.92	\$8.83	\$65.01	\$663.96
November 2020	63,603	\$162.68	\$181.58	\$188.82	\$7.16	\$61.71	\$601.95
December 2020	63,427	\$178.61	\$186.46	\$190.04	\$7.39	\$64.67	\$627.18
CY 2020³	63,663	\$176.67	\$189.15	\$198.69	\$7.25	\$62.79	\$634.55
Annual PMPM Trends							
CY 2017 to CY 2018		1.5%	2.7%	5.9%	-9.0%	2.7%	3.2%
CY 2018 to CY 2019		6.4%	4.3%	6.4%	-6.9%	7.3%	5.6%
CY 2019 to CY 2020		-5.6%	-10.1%	-10.5%	-22.1%	-2.5%	-8.5%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPSS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, population acuity, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2020 to be directly comparable by month.

² CY 2017, CY 2018, and CY 2019 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2020 IBNR as reported by CCOs in financial templates.

Exhibit 7C
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Adults Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2017	60,149	\$39.01	\$107.84	\$137.09	\$9.45	\$12.12	\$305.50
February 2017	60,044	\$43.34	\$96.16	\$125.92	\$8.51	\$10.97	\$284.91
March 2017	60,362	\$54.13	\$112.30	\$143.29	\$10.28	\$12.07	\$332.08
April 2017	59,813	\$49.14	\$106.18	\$129.94	\$9.54	\$11.69	\$306.50
May 2017	59,843	\$47.76	\$110.02	\$140.42	\$8.88	\$12.10	\$319.18
June 2017	60,204	\$44.25	\$107.93	\$136.65	\$8.65	\$12.62	\$310.10
July 2017	60,025	\$48.09	\$109.38	\$128.44	\$7.54	\$11.90	\$305.35
August 2017	59,608	\$44.95	\$118.64	\$148.02	\$10.39	\$12.60	\$334.59
September 2017	59,041	\$44.48	\$109.01	\$128.04	\$9.03	\$11.47	\$302.03
October 2017	58,835	\$46.55	\$112.41	\$136.93	\$10.03	\$12.93	\$318.85
November 2017	58,450	\$41.38	\$105.84	\$129.99	\$8.17	\$11.33	\$296.71
December 2017	57,762	\$37.16	\$99.83	\$115.55	\$6.74	\$10.55	\$269.83
CY 2017²	59,511	\$45.02	\$107.96	\$133.36	\$8.94	\$11.86	\$307.14
January 2018	56,854	\$41.80	\$109.83	\$136.60	\$8.04	\$11.98	\$308.26
February 2018	55,841	\$32.00	\$100.41	\$124.60	\$7.41	\$10.13	\$274.55
March 2018	55,036	\$38.42	\$110.99	\$132.84	\$8.61	\$10.96	\$301.81
April 2018	54,406	\$45.92	\$113.34	\$134.20	\$8.50	\$11.47	\$313.43
May 2018	54,659	\$41.07	\$115.13	\$136.51	\$8.14	\$11.40	\$312.26
June 2018	54,110	\$37.56	\$112.15	\$125.35	\$7.44	\$11.53	\$294.03
July 2018	53,669	\$38.06	\$110.69	\$132.16	\$6.65	\$12.77	\$300.33
August 2018	52,766	\$44.74	\$115.02	\$141.25	\$8.01	\$13.29	\$322.31
September 2018	52,073	\$35.60	\$105.08	\$120.51	\$5.97	\$12.27	\$279.43
October 2018	51,923	\$45.62	\$112.56	\$136.77	\$7.64	\$13.10	\$315.70
November 2018	51,978	\$39.57	\$101.03	\$120.31	\$6.18	\$11.64	\$278.73
December 2018	52,527	\$41.65	\$99.19	\$111.64	\$4.88	\$11.21	\$268.57
CY 2018²	53,820	\$40.17	\$108.79	\$129.39	\$7.29	\$11.81	\$297.45
January 2019	52,768	\$34.01	\$115.77	\$141.90	\$7.69	\$12.64	\$312.00
February 2019	52,343	\$32.57	\$103.37	\$126.21	\$6.39	\$11.48	\$280.02
March 2019	52,150	\$37.40	\$104.62	\$125.67	\$6.40	\$10.95	\$285.05
April 2019	52,058	\$41.79	\$110.16	\$132.84	\$7.69	\$11.68	\$304.17
May 2019	52,619	\$44.10	\$108.40	\$134.67	\$6.41	\$12.32	\$305.88
June 2019	52,923	\$37.27	\$105.30	\$123.35	\$5.54	\$11.59	\$283.05
July 2019	53,124	\$39.60	\$116.18	\$134.20	\$5.81	\$12.45	\$308.24
August 2019	52,726	\$38.07	\$107.81	\$136.54	\$6.51	\$13.56	\$302.49
September 2019	52,789	\$37.64	\$101.65	\$128.80	\$5.64	\$12.69	\$286.41
October 2019	52,673	\$41.49	\$111.64	\$141.70	\$6.60	\$13.58	\$315.02
November 2019	52,416	\$35.64	\$95.88	\$120.52	\$4.82	\$12.52	\$269.38
December 2019	52,415	\$33.38	\$100.92	\$124.21	\$4.75	\$12.27	\$275.53
CY 2019³	52,584	\$37.75	\$106.81	\$130.88	\$6.19	\$12.31	\$293.94
January 2020	51,771	\$46.35	\$110.51	\$145.14	\$6.06	\$13.71	\$321.77
February 2020	51,104	\$39.30	\$99.26	\$129.83	\$5.68	\$12.34	\$286.43
March 2020	50,857	\$31.22	\$85.35	\$118.68	\$5.17	\$11.44	\$251.86
April 2020	50,734	\$25.64	\$56.04	\$97.11	\$2.59	\$9.29	\$190.67
May 2020	51,945	\$37.03	\$79.90	\$114.07	\$4.38	\$11.24	\$246.62
June 2020	53,638	\$39.32	\$96.65	\$133.75	\$6.68	\$11.66	\$288.06
July 2020	55,515	\$40.92	\$100.82	\$134.24	\$6.26	\$12.01	\$294.25
August 2020	56,432	\$53.62	\$98.02	\$129.09	\$5.83	\$12.14	\$298.71
September 2020	57,081	\$37.40	\$93.44	\$131.05	\$6.03	\$11.89	\$279.81
October 2020	57,499	\$34.34	\$96.64	\$133.37	\$5.80	\$12.70	\$282.85
November 2020	58,167	\$35.72	\$95.73	\$121.14	\$4.96	\$11.71	\$269.27
December 2020	58,730	\$37.17	\$93.74	\$129.47	\$5.01	\$11.60	\$276.99
CY 2020³	54,456	\$38.17	\$92.18	\$126.41	\$5.37	\$11.81	\$273.94
Annual PMPM Trends							
CY 2017 to CY 2018		-10.8%	0.8%	-3.0%	-18.4%	-0.4%	-3.2%
CY 2018 to CY 2019		-6.0%	-1.8%	1.2%	-15.1%	4.2%	-1.2%
CY 2019 to CY 2020		1.1%	-13.7%	-3.4%	-13.2%	-4.1%	-6.8%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPDS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, population acuity, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2020 to be directly comparable by month.

² CY 2017, CY 2018, and CY 2019 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2020 IBNR as reported by CCOs in financial templates.

Exhibit 7D
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Children Population
PMPM Costs by Month¹

Month	Member Months	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2017	364,070	\$43.27	\$34.97	\$65.79	\$26.93	\$5.03	\$176.00
February 2017	363,509	\$42.42	\$35.02	\$67.72	\$25.55	\$4.99	\$175.69
March 2017	362,747	\$44.96	\$35.82	\$67.59	\$27.79	\$5.72	\$181.88
April 2017	362,405	\$43.62	\$34.25	\$59.63	\$24.08	\$5.06	\$166.64
May 2017	362,468	\$45.13	\$33.45	\$60.25	\$23.96	\$5.39	\$168.19
June 2017	363,148	\$43.42	\$34.73	\$52.58	\$26.12	\$4.93	\$161.77
July 2017	361,326	\$42.13	\$33.31	\$54.32	\$26.54	\$5.53	\$161.82
August 2017	359,181	\$48.00	\$34.45	\$71.28	\$30.22	\$5.91	\$189.85
September 2017	356,811	\$45.40	\$34.52	\$64.95	\$26.01	\$5.53	\$176.42
October 2017	356,208	\$45.19	\$37.26	\$70.63	\$28.65	\$5.98	\$187.70
November 2017	356,335	\$46.45	\$37.56	\$68.39	\$26.73	\$5.55	\$184.68
December 2017	352,155	\$46.40	\$37.84	\$61.81	\$20.98	\$5.17	\$172.20
CY 2017²	360,030	\$44.70	\$35.26	\$63.74	\$26.13	\$5.40	\$175.24
January 2018	348,399	\$51.01	\$37.14	\$69.51	\$23.91	\$5.33	\$186.91
February 2018	343,321	\$45.63	\$35.94	\$69.81	\$23.83	\$5.15	\$180.37
March 2018	336,989	\$45.94	\$34.76	\$64.49	\$25.56	\$5.48	\$176.23
April 2018	333,400	\$44.21	\$34.16	\$65.75	\$24.56	\$5.29	\$173.97
May 2018	331,858	\$48.99	\$34.46	\$62.12	\$22.35	\$5.25	\$173.17
June 2018	328,432	\$51.01	\$35.39	\$53.24	\$23.70	\$5.14	\$168.49
July 2018	322,650	\$46.20	\$30.58	\$58.17	\$26.58	\$6.24	\$167.77
August 2018	317,254	\$46.50	\$32.98	\$71.95	\$27.45	\$6.44	\$185.32
September 2018	313,691	\$41.68	\$31.43	\$62.28	\$22.45	\$5.57	\$163.42
October 2018	313,087	\$52.64	\$35.73	\$74.88	\$26.49	\$6.08	\$195.82
November 2018	314,496	\$48.93	\$34.10	\$67.72	\$22.10	\$5.25	\$178.10
December 2018	318,472	\$55.08	\$33.86	\$60.79	\$18.12	\$5.07	\$172.91
CY 2018²	326,837	\$48.15	\$34.21	\$65.06	\$23.93	\$5.53	\$176.87
January 2019	320,440	\$50.54	\$37.98	\$77.80	\$26.00	\$6.07	\$198.39
February 2019	319,448	\$48.09	\$39.46	\$79.04	\$22.75	\$5.31	\$194.64
March 2019	318,530	\$51.97	\$34.15	\$68.93	\$23.25	\$5.79	\$184.08
April 2019	318,462	\$53.19	\$35.84	\$72.58	\$24.32	\$6.21	\$192.14
May 2019	319,429	\$53.95	\$34.40	\$65.56	\$20.72	\$5.43	\$180.05
June 2019	319,845	\$51.42	\$35.06	\$55.98	\$22.02	\$5.04	\$169.53
July 2019	318,159	\$54.56	\$34.88	\$65.08	\$27.15	\$6.74	\$188.40
August 2019	315,732	\$53.74	\$32.80	\$74.13	\$25.78	\$7.07	\$193.51
September 2019	315,102	\$51.24	\$34.06	\$73.10	\$24.06	\$6.42	\$188.89
October 2019	315,886	\$57.50	\$37.20	\$79.73	\$27.81	\$6.30	\$208.53
November 2019	317,249	\$46.92	\$36.52	\$74.19	\$22.26	\$5.76	\$185.65
December 2019	319,445	\$55.16	\$37.13	\$71.65	\$19.71	\$6.05	\$189.70
CY 2019³	318,144	\$52.36	\$35.79	\$71.48	\$23.82	\$6.02	\$189.46
January 2020	319,240	\$51.84	\$36.44	\$81.00	\$24.71	\$6.60	\$200.59
February 2020	316,945	\$45.36	\$35.55	\$76.91	\$22.67	\$6.03	\$186.52
March 2020	315,636	\$46.98	\$26.31	\$59.91	\$14.36	\$5.35	\$152.91
April 2020	316,011	\$44.86	\$11.69	\$41.14	\$1.07	\$3.48	\$102.24
May 2020	319,175	\$46.44	\$19.51	\$47.66	\$11.94	\$4.24	\$129.78
June 2020	325,742	\$50.52	\$24.65	\$57.80	\$19.40	\$4.98	\$157.35
July 2020	331,422	\$52.89	\$25.06	\$60.28	\$20.94	\$5.24	\$164.40
August 2020	336,558	\$48.73	\$24.92	\$61.84	\$20.73	\$5.86	\$162.07
September 2020	339,916	\$47.82	\$26.52	\$63.33	\$20.92	\$5.48	\$164.07
October 2020	343,901	\$48.47	\$27.78	\$67.42	\$21.65	\$5.57	\$170.88
November 2020	348,528	\$43.96	\$25.67	\$61.39	\$19.00	\$5.22	\$155.25
December 2020	352,833	\$49.47	\$24.93	\$60.39	\$18.76	\$5.07	\$158.61
CY 2020³	330,492	\$48.11	\$25.75	\$61.59	\$18.01	\$5.26	\$158.72
Annual PMPM Trends							
CY 2017 to CY 2018		7.7%	-3.0%	2.1%	-8.4%	2.3%	0.9%
CY 2018 to CY 2019		8.7%	4.6%	9.9%	-0.4%	8.9%	7.1%
CY 2019 to CY 2020		-8.1%	-28.0%	-13.8%	-24.4%	-12.6%	-16.2%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPDS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, population acuity, and IBNR, and blend MississippiCAN rate cells using consistent enrollment from December 2020 to be directly comparable by month.

² CY 2017, CY 2018, and CY 2019 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2020 IBNR as reported by CCOs in financial templates.

Exhibit 7E
Mississippi Division of Medicaid
MississippiCAN Historical Completed Non-Pharmacy PMPM Costs and Trends
Deliveries

Per-Delivery Costs by Month¹

Month	Deliveries	Inpatient Hospital Services	Outpatient Hospital Services	Physician Services	Dental Services	Other Services	Non-Pharmacy Total
January 2017	1,689	\$3,867.36	\$6.97	\$1,153.77	\$0.03	\$25.84	\$5,053.96
February 2017	1,496	\$3,825.11	\$8.70	\$1,173.53	\$0.00	\$20.62	\$5,027.95
March 2017	1,545	\$3,903.46	\$5.66	\$1,206.98	\$0.00	\$23.23	\$5,139.33
April 2017	1,294	\$3,914.71	\$7.26	\$1,193.78	\$0.00	\$18.91	\$5,134.66
May 2017	1,520	\$3,856.76	\$9.60	\$1,160.45	\$0.00	\$21.64	\$5,048.45
June 2017	1,486	\$3,950.50	\$5.61	\$1,219.67	\$0.00	\$21.38	\$5,197.16
July 2017	1,646	\$3,881.34	\$6.78	\$1,181.62	\$0.06	\$21.07	\$5,090.87
August 2017	1,869	\$3,871.29	\$6.29	\$1,168.19	\$0.04	\$19.61	\$5,065.42
September 2017	1,732	\$3,815.61	\$7.40	\$1,153.82	\$0.00	\$26.13	\$5,002.96
October 2017	1,639	\$3,916.63	\$12.05	\$1,161.72	\$0.00	\$29.22	\$5,119.61
November 2017	1,671	\$3,980.71	\$6.46	\$1,164.49	\$0.00	\$17.26	\$5,168.92
December 2017	1,748	\$3,915.51	\$5.40	\$1,153.01	\$0.00	\$21.16	\$5,095.08
CY 2017²	1,611	\$3,891.58	\$7.35	\$1,174.25	\$0.01	\$22.17	\$5,095.37
January 2018	1,692	\$3,974.00	\$6.12	\$1,168.85	\$0.00	\$26.78	\$5,175.74
February 2018	1,496	\$4,026.70	\$6.57	\$1,163.32	\$0.00	\$40.55	\$5,237.13
March 2018	1,565	\$3,878.17	\$9.44	\$1,167.48	\$0.00	\$30.30	\$5,085.39
April 2018	1,514	\$4,091.26	\$13.67	\$1,189.96	\$0.11	\$28.30	\$5,323.30
May 2018	1,555	\$4,026.45	\$10.79	\$1,178.37	\$0.08	\$46.64	\$5,262.33
June 2018	1,566	\$3,909.70	\$6.30	\$1,169.08	\$0.09	\$34.79	\$5,119.95
July 2018	1,689	\$3,856.00	\$6.91	\$1,111.78	\$0.05	\$25.51	\$5,000.24
August 2018	1,820	\$3,939.42	\$5.90	\$1,129.05	\$0.00	\$28.69	\$5,103.06
September 2018	1,666	\$3,944.94	\$6.00	\$1,132.83	\$0.00	\$39.39	\$5,123.16
October 2018	1,642	\$3,931.58	\$7.71	\$1,119.02	\$0.00	\$31.85	\$5,090.17
November 2018	1,617	\$3,909.22	\$7.31	\$1,135.38	\$0.00	\$29.69	\$5,081.61
December 2018	1,682	\$4,018.55	\$7.00	\$1,081.57	\$0.00	\$25.92	\$5,133.04
CY 2018²	1,625	\$3,958.83	\$7.81	\$1,145.56	\$0.03	\$32.37	\$5,144.59
January 2019	1,696	\$3,989.84	\$6.74	\$1,128.04	\$0.05	\$19.19	\$5,143.86
February 2019	1,414	\$3,957.96	\$12.92	\$1,101.04	\$0.04	\$17.58	\$5,089.53
March 2019	1,508	\$3,983.83	\$11.12	\$1,088.80	\$0.00	\$19.61	\$5,103.36
April 2019	1,468	\$3,919.07	\$11.53	\$1,086.50	\$0.08	\$27.15	\$5,044.32
May 2019	1,493	\$4,106.97	\$16.44	\$1,124.98	\$0.00	\$23.10	\$5,271.50
June 2019	1,450	\$3,943.40	\$16.34	\$1,075.50	\$0.00	\$21.77	\$5,057.01
July 2019	1,797	\$3,883.88	\$13.85	\$1,074.62	\$0.00	\$16.61	\$4,988.96
August 2019	1,721	\$3,928.22	\$11.36	\$1,116.25	\$0.06	\$21.44	\$5,077.34
September 2019	1,717	\$3,991.61	\$15.36	\$1,123.56	\$0.17	\$18.13	\$5,148.83
October 2019	1,732	\$4,092.67	\$14.55	\$1,180.21	\$0.00	\$22.64	\$5,310.08
November 2019	1,521	\$3,976.26	\$15.42	\$1,165.48	\$0.00	\$25.81	\$5,182.97
December 2019	1,741	\$4,074.26	\$10.74	\$1,163.23	\$0.00	\$22.01	\$5,270.25
CY 2019³	1,605	\$3,987.33	\$13.03	\$1,119.02	\$0.03	\$21.25	\$5,140.67
January 2020	1,684	\$4,169.84	\$15.78	\$1,157.14	\$0.07	\$17.02	\$5,359.85
February 2020	1,416	\$4,128.79	\$11.38	\$1,151.69	\$0.00	\$27.09	\$5,318.95
March 2020	1,479	\$4,152.51	\$12.08	\$1,129.06	\$0.00	\$20.20	\$5,313.84
April 2020	1,404	\$4,107.97	\$10.73	\$1,134.01	\$0.21	\$19.40	\$5,272.32
May 2020	1,449	\$4,182.57	\$17.18	\$1,171.10	\$0.00	\$20.11	\$5,390.97
June 2020	1,554	\$4,113.50	\$14.11	\$1,150.95	\$0.00	\$20.03	\$5,298.59
July 2020	1,667	\$4,126.04	\$13.73	\$1,177.44	\$0.00	\$15.05	\$5,332.26
August 2020	1,705	\$4,299.50	\$11.59	\$1,201.48	\$0.00	\$17.73	\$5,530.29
September 2020	1,691	\$4,110.02	\$6.91	\$1,132.24	\$0.07	\$15.32	\$5,264.56
October 2020	1,552	\$4,064.53	\$12.29	\$1,196.71	\$0.00	\$18.94	\$5,292.47
November 2020	1,527	\$4,031.32	\$13.87	\$1,133.20	\$0.00	\$22.72	\$5,201.11
December 2020	1,488	\$4,071.23	\$9.66	\$1,158.01	\$0.00	\$18.42	\$5,257.31
CY 2020³	1,551	\$4,129.82	\$12.44	\$1,157.75	\$0.03	\$19.33	\$5,319.38
Annual PMPM Trends							
CY 2017 to CY 2018		1.7%	6.3%	-2.4%	145.9%	46.0%	1.0%
CY 2018 to CY 2019		0.7%	66.9%	-2.3%	22.6%	-34.3%	-0.1%
CY 2019 to CY 2020		3.6%	-4.5%	3.5%	-11.0%	-9.0%	3.5%

¹ MississippiCAN PMPM figures have been adjusted for: the carveout of Zolgensma claims, adjustments related to the 5% assessment application and removal, OPDS reimbursement changes not related to the 5% assessment, PAD reimbursement changes, annual PDL changes to drug costs, AAC inclusion in drug pricing logic, PRTF inclusion in managed care, OP Dental reimbursement changes, GME removal from capitation rates, NET subcapitation changes, provider settlements, emergency ambulance reimbursement increases, financial to encounter adjustments, population acuity, and IBNR.

² CY 2017, CY 2018, and CY 2019 assumed to be fully complete with no explicit IBNR adjustment.

³ CY 2020 IBNR as reported by CCOs in financial templates.

Exhibit 8A Mississippi Division of Medicaid MississippiCAN Historical and Projected Pharmacy Utilization and Cost SSI Rate Grouping																							
Traditional Top 25		Cost / Script			CY 2019 Util / 1000			PMPM Cost			Cost / Script			Annualized Prospective Trends				Utilization¹			Projected PMPM		
GPI4	GPI Description	Generic	Brand	Total	Generic	Brand	Total	Generic	Brand	Total	Generic	Brand	Total	Months of Trend	Generic	Brand	Total	Months of Trend	Generic	Brand	Total		
1210	Antiretrovirals	\$582.92	\$2,237.51	\$1,899.89	33.6	131.0	164.6	\$1.63	\$24.43	\$26.06	1.0%	5.0%	4.8%	24	-2.0%	-2.0%	-2.0%	42	\$1.55	\$25.09	\$26.65		
5907	Dibenzapines / Quinolinsonone Derivatives / Benzisoxazoles	\$35.96	\$2,346.94	\$614.22	279.6	93.3	372.9	\$0.84	\$18.25	\$19.08	5.0%	5.0%	5.0%	24	2.0%	2.0%	2.0%	42	\$0.99	\$21.56	\$22.55		
7260	Fibromyalgia Agents	\$24.72	\$720.59	\$106.21	1,513.8	200.8	1,714.6	\$3.12	\$12.06	\$15.18	1.0%	3.0%	2.6%	24	0.0%	0.0%	0.0%	42	\$3.18	\$12.79	\$15.97		
2710L	Insulin - Long Acting	\$0.00	\$548.30	\$548.30	0.0	280.6	280.6	\$0.00	\$12.82	\$12.82	-1.0%	0.0%	0.0%	24	1.0%	1.0%	1.0%	42	\$0.00	\$13.27	\$13.27		
4420	Sympathomimetics	\$31.87	\$170.57	\$140.85	215.0	788.2	1,003.1	\$0.57	\$11.20	\$11.77	7.0%	1.0%	1.3%	24	1.0%	1.0%	1.0%	42	\$0.68	\$11.83	\$12.51		
5925	Dibenzapines / Quinolinsonone Derivatives / Benzisoxazoles	\$24.31	\$2,027.31	\$453.71	207.3	56.6	263.9	\$0.42	\$9.56	\$9.98	-1.0%	4.0%	3.8%	24	8.0%	8.0%	8.0%	42	\$0.54	\$13.53	\$14.07		
2710S	Insulin - Short / Intermediate Acting	\$0.00	\$612.20	\$612.20	0.0	211.9	211.9	\$0.00	\$10.81	\$10.81	-1.0%	-10.0%	-10.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$8.76	\$8.76		
5940	Dibenzapines / Quinolinsonone Derivatives / Benzisoxazoles	\$32.57	\$1,313.36	\$755.00	45.1	58.3	103.4	\$0.12	\$6.38	\$6.50	-1.0%	3.0%	2.9%	24	0.0%	0.0%	0.0%	42	\$0.12	\$6.77	\$6.89		
2717	Incretin Mimetic Agents (GLP-1 Receptor Agonists)	\$0.00	\$740.76	\$740.76	0.0	90.1	90.1	\$0.00	\$5.56	\$5.56	-1.0%	5.0%	5.0%	24	9.0%	9.0%	9.0%	42	\$0.00	\$8.29	\$8.29		
6110	Amphetamine Stimulants	\$70.61	\$293.64	\$178.45	215.5	201.7	417.2	\$1.27	\$4.94	\$6.20	-10.0%	5.0%	2.1%	24	0.0%	0.0%	0.0%	42	\$1.03	\$5.44	\$6.47		
2770	SGLT-2 Agents	\$0.00	\$545.19	\$545.19	0.0	70.1	70.1	\$0.00	\$3.18	\$3.18	-1.0%	5.0%	5.0%	24	20.0%	20.0%	20.0%	42	\$0.00	\$6.65	\$6.65		
8337	Anticoagulants	\$0.00	\$443.91	\$443.91	0.0	102.7	102.7	\$0.00	\$3.80	\$3.80	-1.0%	5.0%	5.0%	24	20.0%	20.0%	20.0%	42	\$0.00	\$7.93	\$7.93		
2755	DPP-IV Agents	\$0.00	\$503.25	\$503.25	0.0	96.9	96.9	\$0.00	\$4.06	\$4.06	-1.0%	5.0%	5.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$4.48	\$4.48		
6140	Stimulants - Misc.	\$127.98	\$351.63	\$218.03	150.1	101.2	251.3	\$1.60	\$2.97	\$4.57	-15.0%	4.0%	-2.2%	24	0.0%	0.0%	0.0%	42	\$1.16	\$3.21	\$4.36		
2799	Antidiabetic Combinations	\$23.96	\$471.45	\$379.65	16.2	62.8	79.0	\$0.03	\$2.47	\$2.50	-1.0%	5.0%	4.9%	24	0.0%	0.0%	0.0%	42	\$0.03	\$2.72	\$2.75		
4410	Bronchodilators - Anticholinergics	\$21.46	\$424.82	\$383.82	7.9	69.9	77.8	\$0.01	\$2.47	\$2.49	-1.0%	6.0%	6.0%	24	-3.0%	-3.0%	-3.0%	42	\$0.01	\$2.50	\$2.51		
4099	Cardiovascular Agents Misc. - Combinations	\$109.33	\$493.37	\$478.62	1.7	41.9	43.6	\$0.02	\$1.72	\$1.74	-1.0%	7.0%	6.9%	24	20.0%	20.0%	20.0%	42	\$0.03	\$3.74	\$3.76		
5915	Dibenzapines / Quinolinsonone Derivatives / Benzisoxazoles	\$19.93	\$883.58	\$67.15	424.1	21.3	445.3	\$0.70	\$1.56	\$2.27	0.0%	0.0%	0.0%	24	2.0%	2.0%	2.0%	42	\$0.75	\$1.68	\$2.43		
5812	Modified Cyclics	\$15.13	\$371.46	\$70.73	306.8	56.7	363.6	\$0.39	\$1.76	\$2.14	-1.0%	5.0%	3.9%	24	0.0%	0.0%	0.0%	42	\$0.38	\$1.94	\$2.32		
6520	Opioid Partial Agonists	\$212.47	\$406.42	\$385.30	7.1	57.8	64.8	\$0.12	\$1.96	\$2.08	-1.0%	3.0%	2.8%	24	3.0%	3.0%	3.0%	42	\$0.14	\$2.30	\$2.44		
6510	Opioid Agonists	\$37.85	\$1,128.87	\$89.15	326.4	16.1	342.5	\$1.03	\$1.52	\$2.54	-3.0%	15.0%	8.1%	24	-10.0%	-10.0%	-10.0%	42	\$0.67	\$1.39	\$2.06		
4927	Proton Pump Inhibitors	\$18.15	\$329.63	\$23.18	915.0	15.0	930.0	\$1.38	\$0.41	\$1.80	1.0%	4.0%	1.7%	24	0.0%	0.0%	0.0%	42	\$1.41	\$0.45	\$1.86		
7210	Anticonvulsants - Benzodiazepines	\$21.72	\$1,032.69	\$116.24	189.5	19.5	209.1	\$0.34	\$1.68	\$2.03	-1.0%	6.0%	4.8%	24	0.0%	0.0%	0.0%	42	\$0.34	\$1.89	\$2.23		
8120	Nutritional Supplements	\$107.03	\$283.74	\$283.29	0.2	73.6	73.7	\$0.00	\$1.74	\$1.74	-1.0%	0.0%	0.0%	24	5.0%	5.0%	5.0%	42	\$0.00	\$2.06	\$2.07		
5120	Digestive Enzymes	\$0.00	\$1,475.22	\$1,475.22	0.0	11.0	11.0	\$0.00	\$1.35	\$1.35	-1.0%	6.0%	6.0%	24	5.0%	5.0%	5.0%	42	\$0.00	\$1.80	\$1.80		
Other Traditional		\$21.89	\$146.79	\$30.89	17,947.6	1,393.6	19,341.2	\$32.73	\$17.05	\$49.78	-1.0%	7.0%	1.8%	24	0.0%	0.0%	0.0%	42	\$32.08	\$19.52	\$51.60		
Total Traditional		\$24.39	\$460.01	\$93.80	22,802.3	4,322.3	27,124.6	\$46.34	\$165.69	\$212.03	-1.2%	3.4%	2.5%	24	-0.09%	2.24%	1.74%	42	\$45.08	\$191.56	\$236.65		
Specialty Top 25																							
6627	Autoimmune Agents	\$0.00	\$6,123.06	\$6,123.06	0.0	21.8	21.8	\$0.00	\$11.11	\$11.11	0.0%	7.0%	7.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$17.75	\$17.75		
2153	Antineoplastic Enzyme Inhibitors	\$430.05	\$12,082.88	\$10,832.50	1.1	9.4	10.5	\$0.04	\$9.44	\$9.48	0.0%	5.0%	5.0%	24	12.0%	12.0%	12.0%	42	\$0.06	\$15.47	\$15.53		
4530	Cystic Fibrosis Agents	\$0.00	\$10,895.05	\$10,895.05	0.0	6.5	6.5	\$0.00	\$5.93	\$5.93	0.0%	0.0%	0.0%	24	20.0%	20.0%	20.0%	42	\$0.00	\$11.22	\$11.22		
9310	Antidotes - Chelating Agents	\$4,748.61	\$10,910.66	\$10,827.81	0.1	9.2	9.3	\$0.05	\$8.35	\$8.40	0.0%	0.0%	0.0%	24	10.0%	10.0%	10.0%	42	\$0.07	\$11.66	\$11.73		
6240	Multiple Sclerosis Agents	\$854.74	\$7,194.82	\$6,036.53	2.1	9.3	11.4	\$0.15	\$5.58	\$5.73	0.0%	4.0%	3.9%	24	-10.0%	-10.0%	-10.0%	42	\$0.10	\$4.18	\$4.28		
1235C	Hepatitis C Agents	\$88.47	\$13,794.90	\$13,635.06	0.1	5.3	5.4	\$0.00	\$6.10	\$6.10	0.0%	-10.0%	-10.0%	24	-10.0%	-10.0%	-10.0%	42	\$0.00	\$3.42	\$3.42		
9025	Antipsoriatics	\$196.83	\$8,100.67	\$6,607.22	1.0	4.4	5.4	\$0.02	\$2.95	\$2.96	0.0%	5.0%	5.0%	24	20.0%	20.0%	20.0%	42	\$0.03	\$6.15	\$6.18		
6629	Autoimmune Agents	\$0.00	\$4,802.51	\$4,802.51	0.0	10.4	10.4	\$0.00	\$4.15	\$4.15	0.0%	8.0%	8.0%	24	4.0%	4.0%	4.0%	42	\$0.00	\$5.55	\$5.55		
6238	Movement Disorder Drug Therapy	\$1,871.29	\$6,398.05	\$5,720.47	0.7	4.2	4.9	\$0.11	\$2.23	\$2.34	0.0%	5.0%	4.8%	24	5.0%	5.0%	5.0%	42	\$0.14	\$2.91	\$3.05		
7217	GABA Modulators	\$8,369.66	\$9,014.65	\$8,508.04	3.4	0.9	4.3	\$2.36	\$0.69	\$3.05	-5.0%	9.0%	-1.6%	24	-5.0%	-5.0%	-5.0%	42	\$1.78	\$0.69	\$2.47		
1910	Immune Serums	\$0.00	\$9,243.04	\$9,243.04	0.0	2.7	2.7	\$0.00	\$2.11	\$2.11	0.0%	0.0%	0.0%	24	25.0%	25.0%	25.0%	42	\$0.00	\$4.61	\$4.61		
9939	Immunomodulators	\$0.00	\$14,695.68	\$14,695.68	0.0	1.6	1.6	\$0.00	\$1.94	\$1.94	0.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$1.94	\$1.94		
3090	Metabolic Modifiers	\$183.31	\$3,666.90	\$706.41	24.4	4.3	28.8	\$0.37	\$1.32	\$1.69	0.0%	5.0%	3.9%	24	1.0%	1.0%	1.0%	42	\$0.39	\$1.51	\$1.89		
4016	Pulmonary Arterial Hypertension	\$3,270.44	\$9,546.77	\$8,318.79	0.6	2.3	2.9	\$0.15	\$1.84	\$2.00	0.0%	0.0%	0.0%	24	10.0%	10.0%	10.0%	42	\$0.21	\$2.57	\$2.79		
3010	Growth Hormones	\$0.00	\$3,197.59	\$3,197.59	0.0	6.5	6.5	\$0.00	\$1.72	\$1.72	0.0%	2.0%	2.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$2.50	\$2.50		
3030	Corticotropin	\$0.00	\$57,665.34	\$57,665.34	0.0	0.3	0.3	\$0.00	\$1.58	\$1.58	0.0%	0.0%	0.0%	24	5.0%	5.0%	5.0%	42	\$0.00	\$1.87	\$1.87		
6646	Interleukin-1 Blockers	\$0.00	\$25,378.21	\$25,378.21	0.0	0.8	0.8	\$0.00	\$1.66	\$1.66	0.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$1.66	\$1.66		
6660	Autoimmune Agents	\$0.00	\$4,330.00	\$4,330.00	0.0	3.2	3.2	\$0.00	\$1.14	\$1.14	0.0%	8.0%	8.0%	24	30.0%	30.0%	30.0%	42	\$0.00	\$3.33	\$3.33		
2140	Antineoplastic - Hormonal Agents	\$103.17	\$8,863.20	\$414.28	51.4	1.9	53.3	\$0.44	\$1.40	\$1.84	0.0%	6.0%	4.6%	24	0.0%	0.0%	0.0%	42	\$0.44	\$1.57	\$2.01		
9027	Atopic Dermatitis - Monoclonal Antibodies	\$0.00	\$3,085.38	\$3,085.38	0.0	2.8	2.8	\$0.00	\$0.72	\$0.72	0.0%	2.0%	2.0%	24	50.0%	50.0%	50.0%	42	\$0.00	\$3.10	\$3.10		
5640	Cystinosis Agents	\$0.00	\$65,744.47	\$65,744.47	0.0	0.3	0.3	\$0.00	\$1.63	\$1.63	0.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$1.63	\$1.63		
4014	Pulmonary Arterial Hypertension	\$1,617.01	\$8,053.65	\$3,084.75	5.1	1.5	6.6	\$0.69	\$1.01	\$1.69	-10.0%	2.0%	-2.7%	24	10.0%	10.0%	10.0%	42	\$0.78	\$1.46	\$2.24		
5253	Short Bowel Syndrome (SBS) Agents	\$0.00	\$39,047.06	\$39,047.06	0.0	0.2	0.2	\$0.00	\$0.61	\$0.61	0.0%	0.0%	0.0%	24	5.0%	5.0%	5.0%	42	\$0.00	\$0.72	\$0.72		
8240	Erythropoietin Agents	\$0.00	\$4,714.50	\$4,714.50	0.0	1.7	1.7	\$0.00	\$0.68	\$0.68	0.0%	2.0%	2.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.99	\$0.99		
8580	Hereditary Angioedema Agents	\$0.00	\$40,241.92	\$40,24																			

* Composite utilization trends include mix component of trends.

Exhibit 8B Mississippi Division of Medicaid MississippiCAN Historical and Projected Pharmacy Utilization and Cost Adult Rate Grouping																					
Traditional Top 25		Cost / Script			CY 2019 Util / 1000			PMPM Cost			Annualized Prospective Trends				Utilization¹				Projected PMPM		
		Generic	Brand	Total	Generic	Brand	Total	Generic	Brand	Total	Generic	Brand	Total	Months of Trend	Generic	Brand	Total	Months of Trend	Generic	Brand	Total
GPI4	GPI Description																				
1210	Antiretrovirals	\$502.46	\$2,329.50	\$2,105.86	4.7	33.8	38.5	\$0.20	\$6.56	\$6.76	-1.0%	5.0%	4.8%	24	0.0%	0.0%	0.0%	42	\$0.19	\$7.24	\$7.43
2600	Progestins	\$51.36	\$3,231.14	\$1,335.99	42.5	28.8	71.3	\$0.18	\$7.76	\$7.94	-1.0%	0.0%	0.0%	24	-10.0%	-10.0%	-10.0%	42	\$0.12	\$5.37	\$5.49
6520	Opioid Partial Agonists	\$156.36	\$398.36	\$349.09	36.3	142.0	178.3	\$0.47	\$4.71	\$5.19	-1.0%	2.0%	1.7%	24	0.0%	0.0%	0.0%	42	\$0.46	\$4.90	\$5.37
2710L	Insulin - Long Acting	\$0.00	\$501.31	\$501.31	0.0	95.9	95.9	\$0.00	\$4.01	\$4.01	-1.0%	0.0%	0.0%	24	3.0%	3.0%	3.0%	42	\$0.00	\$4.44	\$4.44
2710S	Insulin - Short / Intermediate Acting	\$0.00	\$496.67	\$496.67	0.0	98.2	98.2	\$0.00	\$4.07	\$4.07	-1.0%	-5.0%	-5.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$3.67	\$3.67
2717	Incretin Mimetic Agents (GLP-1 Receptor Agonists)	\$0.00	\$732.04	\$732.04	0.0	44.4	44.4	\$0.00	\$2.71	\$2.71	-1.0%	5.0%	5.0%	24	15.0%	15.0%	15.0%	42	\$0.00	\$4.87	\$4.87
7260	Fibromyalgia Agents	\$18.67	\$597.65	\$81.42	602.0	73.2	675.2	\$0.94	\$3.64	\$4.58	1.0%	5.0%	4.2%	24	-2.0%	-2.0%	-2.0%	42	\$0.89	\$3.74	\$4.63
4420	Sympathomimetics	\$30.36	\$129.60	\$116.34	41.2	267.4	308.6	\$0.10	\$2.89	\$2.99	-1.0%	0.0%	0.0%	24	5.0%	5.0%	5.0%	42	\$0.12	\$3.43	\$3.55
5940	Dibenzapines / Quinolinone Derivatives / Benzisoxazoles	\$31.43	\$1,216.31	\$903.57	8.5	23.6	32.1	\$0.02	\$2.39	\$2.41	-1.0%	4.0%	4.0%	24	0.0%	0.0%	0.0%	42	\$0.02	\$2.59	\$2.61
5812	Modified Cyclics	\$14.58	\$357.43	\$128.66	120.7	60.2	180.8	\$0.15	\$1.79	\$1.94	-1.0%	5.0%	4.6%	24	0.0%	0.0%	0.0%	42	\$0.14	\$1.98	\$2.12
2770	SGLT-2 Agents	\$0.00	\$528.38	\$528.38	0.0	26.1	26.1	\$0.00	\$1.15	\$1.15	-1.0%	5.0%	5.0%	24	30.0%	30.0%	30.0%	42	\$0.00	\$3.18	\$3.18
5925	Dibenzapines / Quinolinone Derivatives / Benzisoxazoles	\$21.32	\$1,704.29	\$286.32	48.4	9.1	57.5	\$0.09	\$1.29	\$1.37	-1.0%	4.0%	3.7%	24	15.0%	15.0%	15.0%	42	\$0.14	\$2.27	\$2.41
6110	Amphetamine Stimulants	\$43.32	\$291.48	\$99.33	111.2	32.4	143.7	\$0.40	\$0.79	\$1.19	-1.0%	5.0%	3.0%	24	15.0%	15.0%	15.0%	42	\$0.64	\$1.42	\$2.06
6610	Nonsteroidal Anti-inflammatory Agents (NSAIDs)	\$14.66	\$216.33	\$14.87	1,013.2	1.0	1,014.3	\$1.24	\$0.02	\$1.26	1.0%	7.0%	1.1%	24	0.0%	0.0%	0.0%	42	\$1.26	\$0.02	\$1.28
2755	DPP-IV Agents	\$0.00	\$489.44	\$489.44	0.0	26.4	26.4	\$0.00	\$1.08	\$1.08	-1.0%	5.0%	5.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$1.19	\$1.19
6599	Opioid Agonists	\$15.13	\$0.00	\$15.13	974.2	0.0	974.2	\$1.23	\$0.00	\$1.23	-1.0%	0.0%	-1.0%	24	-10.0%	-10.0%	-10.0%	42	\$0.83	\$0.00	\$0.83
2599	Combination Contraceptives - Oral	\$20.41	\$192.90	\$42.00	275.9	39.5	315.4	\$0.47	\$0.63	\$1.10	-1.0%	8.0%	4.3%	24	0.0%	0.0%	0.0%	42	\$0.46	\$0.74	\$1.20
8337	Anticoagulants	\$0.00	\$444.75	\$444.75	0.0	18.5	18.5	\$0.00	\$0.69	\$0.69	-1.0%	5.0%	5.0%	24	20.0%	20.0%	20.0%	42	\$0.00	\$1.43	\$1.43
2799	Antidiabetic Combinations	\$21.53	\$465.53	\$404.13	3.3	20.5	23.8	\$0.01	\$0.80	\$0.80	-1.0%	5.0%	5.0%	24	0.0%	0.0%	0.0%	42	\$0.01	\$0.88	\$0.88
4927	Proton Pump Inhibitors	\$15.51	\$305.90	\$18.06	432.2	3.8	436.0	\$0.56	\$0.10	\$0.66	-1.0%	7.0%	0.2%	24	2.0%	2.0%	2.0%	42	\$0.59	\$0.12	\$0.71
2596	Combination Contraceptives - Transdermal	\$135.12	\$0.00	\$135.12	59.2	0.0	59.2	\$0.67	\$0.00	\$0.67	0.0%	7.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.67	\$0.00	\$0.67
6770	Migraine Products - Monoclonal Antibodies	\$0.00	\$578.28	\$578.28	0.0	6.6	6.6	\$0.00	\$0.32	\$0.32	-1.0%	7.0%	7.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.51	\$0.51
5816	Selective Serotonin Reuptake Inhibitors (SSRIs)	\$13.38	\$0.00	\$13.38	573.0	0.0	573.0	\$0.64	\$0.00	\$0.64	0.0%	7.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.64	\$0.00	\$0.64
5907	Dibenzapines / Quinolinone Derivatives / Benzisoxazoles	\$18.24	\$2,238.11	\$210.82	18.6	1.8	20.4	\$0.03	\$0.33	\$0.36	-1.0%	7.0%	6.4%	24	0.0%	0.0%	0.0%	42	\$0.03	\$0.38	\$0.41
5255	Irritable Bowel Syndrome (IBS) Agents	\$0.00	\$437.59	\$437.59	0.0	14.3	14.3	\$0.00	\$0.52	\$0.52	-1.0%	7.0%	7.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.83	\$0.83
Other Traditional		\$19.60	\$96.08	\$25.59	9,733.7	827.2	10,560.9	\$15.90	\$6.62	\$22.52	-1.0%	10.0%	2.4%	24	0.0%	0.0%	0.0%	42	\$15.58	\$8.01	\$23.60
Total Traditional		\$19.82	\$347.45	\$58.63	14,098.9	1,894.8	15,993.7	\$23.29	\$54.86	\$78.15	-0.8%	3.6%	2.4%	24	-0.16%	2.05%	1.40%	42	\$22.80	\$63.20	\$86.01
Specialty Top 25																					
6627	Autoimmune Agents	\$0.00	\$6,243.72	\$6,243.72	0.0	12.6	12.6	\$0.00	\$6.53	\$6.53	2.0%	7.0%	7.0%	24	15.0%	15.0%	15.0%	42	\$0.00	\$12.19	\$12.19
1235C	Hepatitis C Agents	\$330.58	\$14,412.00	\$14,329.17	0.0	3.2	3.2	\$0.00	\$3.86	\$3.86	2.0%	-10.0%	-10.0%	24	-5.0%	-5.0%	-5.0%	42	\$0.00	\$2.61	\$2.61
9025	Antipsoriatrics	\$211.40	\$7,170.82	\$6,210.90	0.3	1.9	2.2	\$0.01	\$1.14	\$1.14	2.0%	5.0%	5.0%	24	40.0%	40.0%	40.0%	42	\$0.02	\$4.07	\$4.09
6240	Multiple Sclerosis Agents	\$1,403.13	\$7,043.92	\$6,245.45	0.6	3.6	4.2	\$0.07	\$2.10	\$2.17	2.0%	1.0%	1.0%	24	0.0%	0.0%	0.0%	42	\$0.07	\$2.14	\$2.21
3030	Corticotropin	\$0.00	\$41,731.14	\$41,731.14	0.0	0.3	0.3	\$0.00	\$0.93	\$0.93	2.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.93	\$0.93
6629	Autoimmune Agents	\$0.00	\$5,148.90	\$5,148.90	0.0	3.7	3.7	\$0.00	\$1.58	\$1.58	2.0%	7.0%	7.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$1.81	\$1.81
1910	Immune Serums	\$0.00	\$8,815.01	\$8,815.01	0.0	0.4	0.4	\$0.00	\$0.29	\$0.29	2.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.29	\$0.29
2153	Antineoplastic Enzyme Inhibitors	\$462.75	\$12,786.84	\$11,165.24	0.1	0.6	0.7	\$0.00	\$0.67	\$0.67	2.0%	5.0%	5.0%	24	12.0%	12.0%	12.0%	42	\$0.01	\$1.10	\$1.10
9027	Atopic Dermatitis - Monoclonal Antibodies	\$0.00	\$3,004.09	\$3,004.09	0.0	1.8	1.8	\$0.00	\$0.45	\$0.45	2.0%	3.0%	3.0%	24	50.0%	50.0%	50.0%	42	\$0.00	\$1.98	\$1.98
5250	Inflammatory Bowel Agents	\$115.18	\$1,910.12	\$1,084.07	2.5	3.0	5.5	\$0.02	\$0.47	\$0.50	2.0%	5.0%	4.9%	24	0.0%	0.0%	0.0%	42	\$0.03	\$0.52	\$0.55
6660	Autoimmune Agents	\$0.00	\$4,361.77	\$4,361.77	0.0	1.3	1.3	\$0.00	\$0.48	\$0.48	2.0%	8.0%	8.0%	24	50.0%	50.0%	50.0%	42	\$0.00	\$2.30	\$2.30
8582	Hereditary Angioedema Agents	\$0.00	\$50,235.70	\$50,235.70	0.0	0.3	0.3	\$0.00	\$1.19	\$1.19	2.0%	0.0%	0.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$1.67	\$1.67
3045	Vasopressin Receptor Antagonists	\$0.00	\$14,290.82	\$14,290.82	0.0	0.2	0.2	\$0.00	\$0.25	\$0.25	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.35	\$0.35
9942	Systemic Lupus Erythematosus Agents	\$0.00	\$3,712.42	\$3,712.42	0.0	0.8	0.8	\$0.00	\$0.25	\$0.25	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.36	\$0.36
5253	Short Bowel Syndrome (SBS) Agents	\$0.00	\$39,333.02	\$39,333.02	0.0	0.1	0.1	\$0.00	\$0.25	\$0.25	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.36	\$0.36
4460	Antithymatic - Monoclonal Antibodies	\$0.00	\$2,589.93	\$2,589.93	0.0	1.0	1.0	\$0.00	\$0.22	\$0.22	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.32	\$0.32
6640	Autoimmune Agents	\$0.00	\$4,263.29	\$4,263.29	0.0	0.5	0.5	\$0.00	\$0.19	\$0.19	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.27	\$0.27
2140	Antineoplastic - Hormonal Agents	\$80.87	\$3,428.28	\$204.34	13.4	0.5	13.9	\$0.09	\$0.15	\$0.24	2.0%	1.0%	1.4%	24	10.0%	10.0%	10.0%	42	\$0.13	\$0.21	\$0.34
8584	Hereditary Angioedema Agents	\$0.00	\$79,452.00	\$79,452.00	0.0	0.1	0.1	\$0.00	\$0.50	\$0.50	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.72	\$0.72
2730	Diabetic Other	\$0.00	\$267.48	\$267.48	0.0	1.4	1.4	\$0.00	\$0.03	\$0.03	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.04	\$0.04
6238	Movement Disorder Drug Therapy	\$0.00	\$5,154.74	\$5,154.74	0.0	0.4	0.4	\$0.00	\$0.17	\$0.17	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.24	\$0.24
3090	Metabolic Modifiers	\$26.80	\$0.00	\$26.80	2.2	0.0	2.2	\$0.00	\$0.00	\$0.00	2.0%	1.0%	2.0%	24	10.0%	10.0%	10.0%	42	\$0.01	\$0.00	\$0.01
6670	Autoimmune Agents	\$0.00	\$3,350.65	\$3,350.65	0.0	0.5	0.5	\$0.00	\$0.13	\$0.13	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.19	\$0.19
4555	Pulmonary Fibrosis Agents	\$0.00	\$9,952.21	\$9,952.21	0.0	0.0	0.0	\$0.00	\$0.03	\$0.03	2.0%	1.0%	1.0%	24	10.0%	10.0%	10.0%	42	\$0.00	\$0.04	\$0.04
9940	Immunosuppressive Agents	\$74.79	\$1,246.20	\$98.64	7.3	0.2	7.5	\$0.05	\$0.02	\$0.06	2.0%	1.0%	1.7%	24	10.0%	10.0%	10.0%	42	\$0.07	\$0.02	\$0.09
Other Specialty		\$40.79	\$3,077.41</																		

* Composite utilization trends include mix component of trends.

Exhibit 8C Mississippi Division of Medicaid MississippiCAN Historical and Projected Pharmacy Utilization and Cost Children Rate Grouping																					
Traditional Top 25		Cost / Script			CY 2019			PMPM Cost			Annualized Prospective Trends				Utilization¹				Projected PMPM		
					Util / 1000						Cost / Script				Utilization¹						
GPI4	GPI Description	Generic	Brand	Total	Generic	Brand	Total	Generic	Brand	Total	Generic	Brand	Total	Months of Trend	Generic	Brand	Total	Months of Trend	Generic	Brand	Total
6110	Amphetamine Stimulants	\$77.47	\$295.36	\$209.89	141.9	219.8	361.7	\$0.92	\$5.41	\$6.33	-10.0%	5.0%	3.0%	24	0.0%	0.0%	0.0%	42	\$0.74	\$5.97	\$6.71
6140	Stimulants - Misc.	\$128.29	\$351.77	\$218.94	139.4	95.1	234.5	\$1.49	\$2.79	\$4.28	-20.0%	4.0%	-3.7%	24	0.0%	0.0%	0.0%	42	\$0.95	\$3.02	\$3.97
4420	Sympathomimetics	\$26.46	\$110.46	\$70.81	153.6	171.8	325.4	\$0.34	\$1.58	\$1.92	3.0%	0.0%	0.5%	24	0.0%	0.0%	0.0%	42	\$0.36	\$1.58	\$1.94
4440	Steroid Inhalants	\$99.89	\$209.23	\$153.25	35.0	33.3	68.3	\$0.29	\$0.58	\$0.87	-5.0%	4.0%	1.1%	24	0.0%	0.0%	0.0%	42	\$0.26	\$0.63	\$0.94
1250	Influenza Agents	\$100.44	\$239.15	\$102.12	205.6	2.5	208.1	\$1.72	\$0.05	\$1.77	0.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$1.72	\$0.05	\$1.77
2710S	Insulin - Short / Intermediate Acting	\$0.00	\$647.00	\$647.00	0.0	16.7	16.7	\$0.00	\$0.90	\$0.90	0.0%	-10.0%	-10.0%	24	0.0%	3.0%	3.0%	42	\$0.00	\$0.81	\$0.81
8799	Otic Combinations	\$62.59	\$234.26	\$220.80	3.4	40.0	43.4	\$0.02	\$0.78	\$0.80	0.0%	1.0%	1.0%	24	0.0%	0.0%	0.0%	42	\$0.02	\$0.80	\$0.81
4155	Antihistamines - Non-Sedating	\$16.40	\$32.37	\$16.40	574.2	0.0	574.2	\$0.78	\$0.00	\$0.78	0.0%	5.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.78	\$0.00	\$0.78
4927	Proton Pump Inhibitors	\$81.54	\$337.65	\$87.07	57.3	1.3	58.6	\$0.39	\$0.04	\$0.42	0.0%	5.0%	0.4%	24	2.0%	2.0%	2.0%	42	\$0.42	\$0.04	\$0.46
4399	Cough/Cold/Allergy Combinations	\$20.38	\$14.76	\$15.33	47.4	418.8	466.2	\$0.08	\$0.52	\$0.60	0.0%	5.0%	4.3%	24	0.0%	0.0%	0.0%	42	\$0.08	\$0.57	\$0.65
9055	Corticosteroids - Topical	\$24.15	\$229.49	\$25.94	220.8	1.9	222.8	\$0.44	\$0.04	\$0.48	-3.0%	5.0%	-2.4%	24	0.0%	0.0%	0.0%	42	\$0.42	\$0.04	\$0.46
0120	Penicillin	\$13.63	\$0.00	\$13.63	443.4	0.0	443.4	\$0.50	\$0.00	\$0.50	1.0%	5.0%	1.0%	24	0.0%	0.0%	0.0%	42	\$0.51	\$0.00	\$0.51
9005	Acne Products	\$76.83	\$206.14	\$114.89	40.5	16.9	57.3	\$0.26	\$0.29	\$0.55	-5.0%	5.0%	0.4%	24	2.0%	2.0%	2.0%	42	\$0.25	\$0.34	\$0.59
4450	Leukotriene Modulators	\$17.80	\$239.59	\$17.81	286.3	0.0	286.3	\$0.42	\$0.00	\$0.42	-2.0%	5.0%	-2.0%	24	0.0%	0.0%	0.0%	42	\$0.41	\$0.00	\$0.41
2599	Combination Contraceptives - Oral	\$20.53	\$188.72	\$42.03	87.4	12.8	100.2	\$0.15	\$0.20	\$0.35	0.0%	5.0%	2.9%	24	0.0%	0.0%	0.0%	42	\$0.15	\$0.22	\$0.37
0340	Macrolides	\$20.43	\$205.12	\$20.44	246.3	0.0	246.3	\$0.42	\$0.00	\$0.42	0.0%	5.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.42	\$0.00	\$0.42
7260	Fibromyalgia Agents	\$23.12	\$820.82	\$51.48	65.9	2.4	68.3	\$0.13	\$0.17	\$0.29	0.0%	5.0%	2.9%	24	0.0%	0.0%	0.0%	42	\$0.13	\$0.18	\$0.31
2710L	Insulin - Long Acting	\$0.00	\$366.10	\$366.10	0.0	10.1	10.1	\$0.00	\$0.31	\$0.31	0.0%	5.0%	5.0%	24	5.0%	5.0%	5.0%	42	\$0.00	\$0.40	\$0.40
3890	Anaphylaxis Therapy Agents	\$287.54	\$611.40	\$294.81	14.2	0.3	14.6	\$0.34	\$0.02	\$0.36	0.0%	5.0%	0.2%	24	10.0%	10.0%	10.0%	42	\$0.48	\$0.03	\$0.50
5915	Dibenzapines / Quinolinone Derivatives / Benzisoxazoles	\$15.09	\$738.53	\$139.51	19.6	4.1	23.7	\$0.02	\$0.25	\$0.28	0.0%	5.0%	4.6%	24	0.0%	0.0%	0.0%	42	\$0.02	\$0.28	\$0.30
2210	Glucocorticosteroids	\$15.57	\$409.12	\$15.61	259.3	0.0	259.3	\$0.34	\$0.00	\$0.34	0.0%	5.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.34	\$0.00	\$0.34
9090	Scabicides & Pediculicides	\$41.51	\$269.02	\$159.68	12.2	13.2	25.3	\$0.04	\$0.30	\$0.34	0.0%	5.0%	4.4%	24	0.0%	0.0%	0.0%	42	\$0.04	\$0.33	\$0.37
4220	Nasal Antiallergy	\$17.16	\$231.89	\$27.64	155.9	8.0	163.8	\$0.22	\$0.15	\$0.38	0.0%	5.0%	2.1%	24	0.0%	0.0%	0.0%	42	\$0.22	\$0.17	\$0.39
3620	Antiadrenergic Antihypertensives	\$17.89	\$210.71	\$17.91	175.3	0.0	175.4	\$0.26	\$0.00	\$0.26	0.0%	5.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.26	\$0.00	\$0.26
0230	Cephalosporin	\$23.03	\$0.00	\$23.03	159.2	0.0	159.2	\$0.31	\$0.00	\$0.31	0.0%	5.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.31	\$0.00	\$0.31
Other Traditional		\$24.13	\$115.98	\$33.28	2,031.6	224.9	2,256.6	\$4.08	\$2.17	\$6.26	0.0%	3.0%	1.1%	24	0.0%	0.0%	0.0%	42	\$4.08	\$2.31	\$6.39
Total Traditional		\$30.08	\$153.36	\$53.30	5,575.7	1,294.1	6,869.8	\$13.98	\$16.54	\$30.51	-2.8%	3.0%	0.4%	24	0.37%	0.32%	0.34%	42	\$13.38	\$17.75	\$31.13
Specialty Top 25																					
6627	Autoimmune Agents	\$0.00	\$6,339.62	\$6,339.62	0.0	1.5	1.5	\$0.00	\$0.79	\$0.79	0.0%	8.0%	8.0%	24	30.0%	30.0%	30.0%	42	\$0.00	\$2.30	\$2.30
4530	Cystic Fibrosis Agents	\$0.00	\$10,135.43	\$10,135.43	0.0	0.7	0.7	\$0.00	\$0.56	\$0.56	0.0%	0.0%	0.0%	24	30.0%	30.0%	30.0%	42	\$0.00	\$1.40	\$1.40
1950	Monoclonal Antibodies	\$0.00	\$2,289.65	\$2,289.65	0.0	4.4	4.4	\$0.00	\$0.84	\$0.84	0.0%	0.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.84	\$0.84
3010	Growth Hormones	\$0.00	\$4,422.26	\$4,422.26	0.0	2.0	2.0	\$0.00	\$0.74	\$0.74	0.0%	8.0%	8.0%	24	2.0%	2.0%	2.0%	42	\$0.00	\$0.93	\$0.93
3090	Metabolic Modifiers	\$70.57	\$17,266.58	\$4,003.97	0.8	0.2	1.1	\$0.00	\$0.35	\$0.36	0.0%	2.0%	2.0%	24	10.0%	10.0%	10.0%	42	\$0.01	\$0.51	\$0.52
9027	Atopic Dermatitis - Monoclonal Antibodies	\$0.00	\$3,356.71	\$3,356.71	0.0	0.9	0.9	\$0.00	\$0.25	\$0.25	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.26	\$0.26
6629	Autoimmune Agents	\$0.00	\$4,727.88	\$4,727.88	0.0	0.8	0.8	\$0.00	\$0.33	\$0.33	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.34	\$0.34
3030	Corticotropin	\$0.00	\$62,258.43	\$62,258.43	0.0	0.1	0.1	\$0.00	\$0.33	\$0.33	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.34	\$0.34
3008	LHRH/GnRH Agonist Analog Pituitary Suppressants	\$0.00	\$6,785.29	\$6,785.29	0.0	0.3	0.3	\$0.00	\$0.18	\$0.18	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.18	\$0.18
2153	Antineoplastic Enzyme Inhibitors	\$0.00	\$14,490.14	\$14,490.14	0.0	0.1	0.1	\$0.00	\$0.10	\$0.10	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.10	\$0.10
6646	Interleukin-1 Blockers	\$0.00	\$16,066.30	\$16,066.30	0.0	0.1	0.1	\$0.00	\$0.11	\$0.11	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.11	\$0.11
9025	Antipsoriatics	\$137.21	\$7,644.51	\$5,204.63	0.0	0.1	0.1	\$0.00	\$0.05	\$0.05	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.06	\$0.06
7217	GABA Modulators	\$7,016.77	\$8,828.18	\$7,036.90	0.3	0.0	0.3	\$0.16	\$0.00	\$0.17	0.0%	2.0%	0.0%	24	0.0%	0.0%	0.0%	42	\$0.16	\$0.00	\$0.17
4460	Antiasthmatic - Monoclonal Antibodies	\$0.00	\$3,387.22	\$3,387.22	0.0	0.6	0.6	\$0.00	\$0.17	\$0.17	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.18	\$0.18
5250	Inflammatory Bowel Agents	\$36.14	\$734.11	\$462.13	0.5	0.8	1.3	\$0.00	\$0.05	\$0.05	0.0%	2.0%	1.9%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.05	\$0.05
2170	Antineoplastics Misc.	\$28.57	\$54,661.87	\$1,474.74	1.0	0.0	1.1	\$0.00	\$0.13	\$0.13	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.13	\$0.14
8580	Hereditary Angioedema Agents	\$0.00	\$13,063.14	\$13,063.14	0.0	0.0	0.0	\$0.00	\$0.02	\$0.02	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.02	\$0.02
9310	Antidotes - Chelating Agents	\$0.00	\$8,781.45	\$8,781.45	0.0	0.1	0.1	\$0.00	\$0.11	\$0.11	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.11	\$0.11
1235C	Hepatitis C Agents	\$0.00	\$28,617.70	\$28,617.70	0.0	0.0	0.0	\$0.00	\$0.06	\$0.06	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.06	\$0.06
2730	Diabetic Other	\$0.00	\$366.86	\$366.86	0.0	1.9	1.9	\$0.00	\$0.06	\$0.06	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.06	\$0.06
6240	Multiple Sclerosis Agents	\$0.00	\$7,195.36	\$7,195.36	0.0	0.1	0.1	\$0.00	\$0.05	\$0.05	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.05	\$0.05
4014	Pulmonary Arterial Hypertension	\$2,551.77	\$7,033.77	\$3,758.46	0.1	0.0	0.2	\$0.03	\$0.03	\$0.05	0.0%	2.0%	1.0%	24	0.0%	0.0%	0.0%	42	\$0.03	\$0.03	\$0.05
1910	Immune Serums	\$0.00	\$3,713.97	\$3,713.97	0.0	0.1	0.1	\$0.00	\$0.04	\$0.04	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.04	\$0.04
0700	Aminoglycosides	\$1,508.99	\$5,959.07	\$2,749.17	0.1	0.1	0.2	\$0.02	\$0.03	\$0.04	0.0%	2.0%	1.2%	24	0.0%	0.0%	0.0%	42	\$0.02	\$0.03	\$0.04
8240	Erythropoietin Agents	\$0.00	\$3,517.80	\$3,517.80	0.0	0.1	0.1	\$0.00	\$0.04	\$0.04	0.0%	2.0%	2.0%	24	0.0%	0.0%	0.0%	42	\$0.00	\$0.05	\$0.05
Other Specialty		\$54.85	\$1,151.97	\$102.95	15.1	0.7	15.8	\$0.07	\$0.07	\$0.14	0.0%	2.0%	1.0%	24	0.0%	0.0%	0.0%	42	\$0.07	\$0.07	\$0.14
Total Specialty		\$189.28	\$4,145.03	\$2,037.01	18.0	15.8	33.9	\$0.28	\$5.46	\$5.75	0.0%	3.6%	3.5%	24	0.19%						

* Composite utilization trends include mix component of trends.

Exhibit 9A
Mississippi Division of Medicaid
SFY 2023 MississippiCAN Capitation Rate Development
Development of Vaccine Administration Expenses for SFY 2023 Rates

		Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult	Pregnant Women	SSI / Disabled Newborn	Rate Cell Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP
Age Distribution ¹												
a1	Newborn	0.0%	0.0%	0.0%	0.0%	89.6%	100.0%	90.0%	0.0%	0.0%	0.0%	0.0%
a2	Children 1-4	3.7%	0.0%	0.0%	0.0%	10.4%	0.0%	10.0%	20.3%	1.2%	25.2%	0.0%
a3	Children 5-11	11.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	42.4%	30.5%	37.7%	41.8%
a4	Children 12-17	10.6%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	33.9%	65.6%	32.3%	50.6%
a5	Non-Children	74.3%	100.0%	100.0%	99.5%	0.0%	0.0%	0.0%	3.3%	2.6%	4.8%	7.7%
Starting Vaccine % ¹												
b1	Newborn	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
b2	Children 1-4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
b3	Children 5-11	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	3.1%	2.6%	3.5%
b4	Children 12-17	21.8%	0.0%	0.0%	21.3%	0.0%	0.0%	0.0%	22.4%	26.1%	22.4%	29.0%
b5	Non-Children	31.6%	42.7%	22.7%	16.3%	0.0%	0.0%	0.0%	17.8%	23.5%	23.3%	28.6%
c = sum(a × b)	Rate-Cell Specific	26.1%	42.7%	22.7%	16.3%	0.0%	0.0%	0.0%	10.4%	18.7%	9.3%	18.3%
Vaccine Target % ²												
d1	Newborn	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
d1	Children 1-4	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
d2	Children 5-11	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
d3	Children 12-17	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%
d4	Non-Children	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%
e = sum(a × d)	Rate-Cell Specific	50.9%	60.0%	60.0%	59.9%	1.0%	0.0%	1.0%	24.0%	32.5%	24.0%	31.1%
Baseline Vaccinations												
f = max (e - c, 0)	Vaccination % to Increase	24.8%	17.3%	37.3%	43.6%	1.0%	0.0%	1.0%	13.5%	13.9%	14.6%	12.8%
g	Doses Per Baseline Vaccination	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
h = f × g	Base Doses Per Member	0.495	0.345	0.746	0.871	0.021	0.000	0.020	0.271	0.277	0.292	0.255
% of Members Getting Boosted ³												
i1 = d1 × 25%	Newborn	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
i2 = d2 × 25%	Children 1-4	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
i3 = d3 × 25%	Children 5-11	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%
i4 = d4 × 25%	Children 12-17	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
i5 = d5 × 25%	Non-Children	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
j = sum(a × i)	Rate-Cell Specific	12.72%	15.00%	15.00%	14.97%	0.26%	0.00%	0.25%	5.99%	8.13%	5.99%	7.77%
Booster Vaccinations												
k	Doses per Booster Vaccination	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
l = j × k	Booster Doses per Member	0.254	0.300	0.300	0.299	0.005	0.000	0.005	0.120	0.163	0.120	0.155
Baseline + Booster Calculations												
m = h + l	Total Doses per Member	0.750	0.645	1.046	1.171	0.026	0.000	0.025	0.391	0.440	0.412	0.411
n	Cost per Dose	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87	\$35.87
o = m × n	Cost per Member	\$26.90	\$23.15	\$37.52	\$42.00	\$0.93	\$0.00	\$0.90	\$14.01	\$15.79	\$14.79	\$14.74
p = o / 12	Cost PMPM	\$2.24	\$1.93	\$3.13	\$3.50	\$0.08	\$0.00	\$0.07	\$1.17	\$1.32	\$1.23	\$1.23
TPL Impact												
q	TPL Paid %	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
r = p × (1 - q)	Cost PMPM - Net of TPL	\$1.12	\$0.96	\$1.56	\$1.75	\$0.04	\$0.00	\$0.04	\$0.58	\$0.66	\$0.62	\$0.61

¹ Calculated as of December 2021.
² Based on statewide Mississippi vaccination rates as of Feb 23, 2022. See Exhibit 9b row 'e' for more information.
³ Assuming 25% of vaccinated members will receive booster shots in SFY 2023. See Exhibit 9b row 'h' (18 to 64 age category) for more information.

Exhibit 9B
Mississippi Division of Medicaid
SFY 2023 MississippiCAN Capitation Rate Development
Development of Vaccination Targets for SFY 2023 Rates

		Age						
		5 to 11	12 to 17	18 to 24	25 to 39	40 to 49	50 to 64	18 to 64
<i>a</i>	Fully Vaccinated - % of Mississippians ¹	10%	38%	40%	44%	58%	70%	54.40%
<i>b</i>	Fully Vaccinated Mississippians ¹	28,024	91,902	113,327	254,008	208,248	394,491	970,074
<i>c = b / a</i>	Total Mississippians in Age Bucket	280,240	241,847	283,318	577,291	359,048	563,559	1,783,215
<i>d</i>	Mississippians with 1+ Vaccine Dose ¹	37,942	106,738	139,739	301,354	233,991	425,964	1,101,048
<i>e = d / c</i>	% of Mississippians with 1+ Vaccine Dose	13.54%	44.13%	49.32%	52.20%	65.17%	75.58%	61.75%
<i>f</i>	Count Boosted Members ¹	0	8,212	16,532	46,412	55,399	152,698	271,041
<i>g = f / c</i>	% of Mississippians with a Booster Dose	0.0%	3.4%	5.8%	8.0%	15.4%	27.1%	15.2%
<i>h = g / e</i>	% of Vaccinated Mississippians with a Booster Dose	0.0%	7.7%	11.8%	15.4%	23.7%	35.8%	24.6%

¹ Based on source, updated as of February 23, 2022: https://msdh.ms.gov/msdhsite/_static/resources/12130.pdf.

Exhibit 9C
Mississippi Division of Medicaid
SFY 2023 MississippiCAN Capitation Rate Development
Illustration of Withhold Calculation for COVID-19 Vaccines

	Age						(A)	(B)	(C) = (A) / (B)
	Newborn	Children 1-4	Children 5-11	Children 12-17	Non-Children	All Ages	Withhold Numerator (All Ages)	Withhold Denominator (Ages 12+)	Vaccination % for Withhold Calculation
December 2021 Members ¹	23,126	66,663	111,885	100,065	110,638	412,377	412,377	210,703	
Starting Vaccine % ²	0.0%	0.0%	2.8%	23.2%	26.0%	13.4%	55,148	210,703	26.2%
Vaccine Target % ³	0.0%	10.0%	15.0%	40.0%	60.0%	31.5%	129,858	210,703	61.6%
Vaccine Target for Withhold Return									40.0%

¹ For illustrative purposes December 2021 membership used. Actual calculation will use SFY 2023 member months.

² Calculated as of December 2021.

³ Based on statewide Mississippi vaccination rates as of Feb 23, 2022. See Exhibit 9b row 'e' for more information.

Exhibit 10 Mississippi Division of Medicaid SFY 2023 MississippiCAN Capitation Rate Development Enhanced Match Services								
	Medical Portion of Capitation Rate	COVID-19 Vaccine Administration	Family Planning (Non-waiver)	Breast and Cervical Cancer	Indian Health Services	Home Health Services	Rehab Services	Private Duty Nursing
Non-Newborn SSI / Disabled	\$1,079.30	\$1.12	\$0.84	\$0.13	\$0.34	\$2.22	\$28.13	\$6.66
North Region	985.40	1.02	0.77	0.12	0.31	2.02	25.68	6.08
Central Region	1,133.27	1.18	0.88	0.14	0.35	2.33	29.54	6.99
South Region	1,122.47	1.17	0.87	0.14	0.35	2.31	29.26	6.93
Breast and Cervical Cancer	\$3,488.34	\$0.96	\$0.35	\$3,487.03	\$0.00	\$0.00	\$0.00	\$0.00
North Region	3,184.85	0.88	0.32	3,183.66	0.00	0.00	0.00	0.00
Central Region	3,662.76	1.01	0.36	3,661.38	0.00	0.00	0.00	0.00
South Region	3,627.87	1.00	0.36	3,626.51	0.00	0.00	0.00	0.00
MA Adult	\$490.24	\$1.56	\$5.81	\$0.00	\$0.27	\$0.26	\$1.09	\$0.00
North Region	462.79	1.48	5.49	0.00	0.26	0.25	1.03	0.00
Central Region	509.85	1.63	6.05	0.00	0.28	0.27	1.14	0.00
South Region	495.63	1.58	5.88	0.00	0.28	0.27	1.10	0.00
Pregnant Women	\$1,031.58	\$1.75	\$15.74	\$0.00	\$0.01	\$0.18	\$0.24	\$0.00
North Region	973.81	1.65	14.86	0.00	0.01	0.17	0.23	0.00
Central Region	1,072.84	1.82	16.37	0.00	0.01	0.19	0.25	0.00
South Region	1,042.93	1.77	15.92	0.00	0.01	0.18	0.25	0.00
SSI / Disabled Newborn	\$8,000.01	\$0.04	\$0.00	\$0.00	\$0.10	\$4.66	\$0.00	\$111.81
North Region	7,856.01	0.04	0.00	0.00	0.10	4.58	0.00	109.80
Central Region	8,152.01	0.04	0.00	0.00	0.10	4.75	0.00	113.94
South Region	7,968.01	0.04	0.00	0.00	0.10	4.64	0.00	111.37
Non-SSI Newborns 0 to 2 Months	\$1,834.16	\$0.00	\$0.00	\$0.00	\$1.96	\$0.17	\$0.00	\$0.13
North Region	1,801.15	0.00	0.00	0.00	1.92	0.17	0.00	0.13
Central Region	1,869.01	0.00	0.00	0.00	2.00	0.18	0.00	0.13
South Region	1,826.83	0.00	0.00	0.00	1.95	0.17	0.00	0.13
Non-SSI Newborns 3 to 12 Months	\$248.67	\$0.04	\$0.00	\$0.00	\$2.20	\$0.06	\$0.00	\$0.02
North Region	244.20	0.04	0.00	0.00	2.16	0.06	0.00	0.02
Central Region	253.40	0.04	0.00	0.00	2.25	0.06	0.00	0.02
South Region	247.68	0.04	0.00	0.00	2.19	0.06	0.00	0.02
Foster Care	\$639.31	\$0.58	\$1.25	\$0.00	\$0.02	\$0.02	\$19.49	\$2.24
North Region	627.80	0.57	1.23	0.00	0.02	0.02	19.14	2.20
Central Region	651.46	0.59	1.28	0.00	0.02	0.02	19.86	2.29
South Region	636.75	0.58	1.25	0.00	0.02	0.02	19.41	2.23
MYPAC	\$3,735.60	\$0.66	\$3.42	\$0.00	\$0.00	\$0.00	\$4.50	\$0.00
North Region	3,668.36	0.65	3.35	0.00	0.00	0.00	4.42	0.00
Central Region	3,806.58	0.67	3.48	0.00	0.00	0.00	4.58	0.00
South Region	3,720.66	0.66	3.40	0.00	0.00	0.00	4.48	0.00
MA Children	\$200.39	\$0.62	\$1.06	\$0.00	\$0.36	\$0.01	\$6.69	\$0.10
North Region	196.78	0.61	1.04	0.00	0.35	0.01	6.57	0.10
Central Region	204.20	0.63	1.08	0.00	0.37	0.01	6.82	0.10
South Region	199.59	0.61	1.05	0.00	0.36	0.01	6.67	0.10
Quasi-CHIP	\$202.70	\$0.61	\$1.74	\$0.00	\$0.15	\$0.01	\$4.35	\$0.03
North Region	199.05	0.60	1.71	0.00	0.15	0.01	4.27	0.02
Central Region	206.55	0.63	1.77	0.00	0.16	0.01	4.43	0.03
South Region	201.89	0.61	1.73	0.00	0.15	0.01	4.33	0.03

Exhibit 11A
Mississippi Division of Medicaid
Summary of CY 2018* MississippiCAN Encounter and FFS Claims
Summary of Total Costs by Rate Cell

Member Months	768,834	1,090	510,505	510,505	135,337	135,337	6,311	76,100	258,792	77,192	5,469	3,169,462	334,192	5,343,284
Total Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non- Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$48,435,074	\$104,104	\$5,442,913	\$0	\$343,640	\$6,901	\$1,693,358	\$2,682,624	\$5,150,631	\$461,889	\$52,927	\$10,055,941	\$795,279	\$75,225,279
Surgical	\$65,321,875	\$118,200	\$11,684,562	\$0	\$716,881	\$9,556	\$5,219,189	\$7,005,471	\$4,096,276	\$937,606	\$52,495	\$12,191,552	\$1,098,197	\$108,451,860
Maternity / Deliveries	\$2,867,588	\$0	\$1,900,233	\$16,215,238	\$4,373,883	\$65,015,599	\$25,948,640	\$92,276,515	\$50,676	\$89,871	\$7,420	\$3,871,404	\$425,563	\$213,042,630
Psychiatric / Substance Abuse	\$24,553,589	\$0	\$3,837,268	\$0	\$252,661	\$0	\$0	\$0	\$0	\$7,429,710	\$1,448,523	\$20,091,900	\$1,897,200	\$59,510,851
Skilled Nursing Facility	\$1,429	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,429
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inpatient Behavioral Health Total	\$4,535,758	\$0	\$57,619	\$0	\$13,890	\$0	\$0	\$0	\$0	\$5,974,164	\$841,403	\$13,960,748	\$1,269,806	\$26,653,386
Inpatient Facility Total	\$141,179,556	\$222,304	\$22,864,976	\$16,215,238	\$5,687,066	\$65,032,056	\$32,861,187	\$101,964,610	\$9,297,582	\$8,919,076	\$1,561,366	\$46,210,797	\$4,216,238	\$456,232,050
Outpatient Facility Services														
Emergency Room	\$27,884,653	\$34,872	\$17,537,158	\$10,344	\$4,788,306	\$33,989	\$344,960	\$1,803,984	\$6,916,309	\$701,113	\$105,560	\$35,238,374	\$2,696,968	\$98,096,592
Urgent Care	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$153	\$1,007	\$0	\$0	\$2,761	\$47	\$3,968
Radiology / Pathology	\$24,633,878	\$433,441	\$11,205,120	\$5,996	\$3,501,878	\$28,979	\$177,860	\$642,311	\$2,171,543	\$402,864	\$50,318	\$14,137,765	\$1,431,788	\$58,823,740
Psychiatric / Alcohol & Drug Abuse	\$6,550,059	\$0	\$6,336	\$0	\$113	\$0	\$0	\$0	\$0	\$948,196	\$847	\$16,326,373	\$884,669	\$24,716,592
Pharmacy	\$30,547,093	\$725,032	\$6,196,219	\$4,373	\$1,479,330	\$22,192	\$952,594	\$95,510	\$600,204	\$82,282	\$4,734	\$4,711,039	\$383,072	\$45,803,673
Other	\$61,787,364	\$334,367	\$22,240,524	\$8,858	\$5,199,431	\$32,716	\$946,988	\$1,313,654	\$4,506,204	\$1,247,577	\$98,795	\$38,012,865	\$3,236,112	\$138,965,456
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outpatient Behavioral Health Total	\$6,601,420	\$0	\$6,366	\$0	\$113	\$0	\$0	\$0	\$0	\$948,968	\$847	\$16,416,431	\$890,515	\$24,864,660
Outpatient Facility Total	\$151,403,046	\$1,527,712	\$57,185,357	\$29,572	\$14,969,058	\$117,876	\$2,422,403	\$3,855,612	\$14,195,265	\$3,382,032	\$260,254	\$108,429,177	\$8,632,656	\$366,410,021
Physician Services														
IP Visits	\$11,944,032	\$17,018	\$1,697,120	\$53,574	\$406,404	\$199,271	\$6,925,645	\$11,460,127	\$1,518,430	\$331,878	\$76,829	\$2,727,389	\$231,414	\$37,589,131
IP Surgery	\$4,599,885	\$24,869	\$1,203,205	\$30,823	\$119,077	\$100,908	\$409,078	\$469,939	\$328,176	\$47,682	\$1,339	\$1,039,952	\$101,709	\$8,476,641
Office / Home Visits	\$35,248,846	\$111,559	\$18,356,126	\$639	\$1,386,626	\$4,727	\$404,424	\$2,885,824	\$9,296,952	\$1,916,983	\$147,522	\$64,074,393	\$6,258,566	\$140,093,187
Preventive Exams & Immunizations	\$4,854,763	\$14,664	\$7,336,040	\$160,969	\$14,172,797	\$535,841	\$225,656	\$8,684,093	\$9,250,573	\$698,145	\$37,479	\$21,121,093	\$1,553,947	\$68,646,061
Urgent Care Visits	\$240,165	\$89	\$386,294	\$0	\$42,442	\$86	\$654	\$1,225	\$102,610	\$57,244	\$1,194	\$1,898,376	\$204,644	\$2,935,023
ER Visits and Observation Care	\$8,607,132	\$11,337	\$5,180,261	\$16,559	\$1,616,289	\$71,645	\$110,808	\$563,487	\$2,171,764	\$202,094	\$34,795	\$10,602,353	\$798,112	\$29,986,637
OP Surgery	\$11,827,398	\$120,434	\$6,547,683	\$1,188	\$471,617	\$2,373	\$95,016	\$204,153	\$1,046,199	\$389,796	\$22,422	\$12,626,715	\$1,277,557	\$34,632,551
Physical Therapy	\$5,839,514	\$16,095	\$1,141,257	\$0	\$33,596	\$95	\$106,266	\$8,580	\$266,853	\$472,004	\$15,918	\$7,085,492	\$515,540	\$15,501,210
Psychiatric / Substance Abuse	\$31,626,509	\$4,919	\$3,023,869	\$809	\$157,142	\$772	\$115	\$0	\$2,930	\$3,611,333	\$15,761,452	\$30,423,156	\$2,642,606	\$87,255,614
Radiology / Pathology	\$13,958,987	\$146,370	\$9,477,856	\$157,176	\$7,002,857	\$630,921	\$180,960	\$406,786	\$1,152,715	\$300,861	\$42,644	\$11,014,053	\$1,191,044	\$45,663,229
Vision, Hearing, and Speech Exams	\$3,748,914	\$6,999	\$2,120,518	\$142	\$444,105	\$481	\$36,523	\$24,217	\$93,244	\$393,744	\$33,455	\$11,109,971	\$1,477,406	\$19,489,718
Other	\$35,918,219	\$583,024	\$5,903,911	\$4,016,253	\$1,338,344	\$16,660,554	\$455,927	\$413,214	\$638,607	\$687,844	\$32,374	\$7,436,087	\$1,006,576	\$75,090,934
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Physician Behavioral Health Total	\$44,614,846	\$5,750	\$4,173,051	\$556	\$198,667	\$708	\$4,796	\$7,359	\$60,453	\$4,037,834	\$15,766,787	\$33,645,151	\$2,957,585	\$105,473,542
Physician Total	\$168,414,364	\$1,057,378	\$62,374,141	\$4,438,132	\$27,191,294	\$18,207,673	\$8,951,073	\$25,121,646	\$25,869,052	\$9,109,609	\$16,207,422	\$181,159,031	\$17,259,121	\$565,359,937
Pharmacy Services														
Pharmacy	\$213,067,045	\$443,592	\$52,581,793	\$69,669	\$7,257,950	\$302,281	\$3,083,773	\$644,595	\$6,551,721	\$5,631,821	\$877,813	\$106,350,231	\$14,063,633	\$410,925,917
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pharmacy Total	\$213,067,045	\$443,592	\$52,581,793	\$69,669	\$7,257,950	\$302,281	\$3,083,773	\$644,595	\$6,551,721	\$5,631,821	\$877,813	\$106,350,231	\$14,063,633	\$410,925,917
Dental Services														
Dental	\$7,986,259	\$8,606	\$4,261,392	\$153	\$842,570	\$372	\$3,712	\$42,736	\$274,952	\$2,291,896	\$163,621	\$84,579,993	\$11,012,096	\$111,468,358
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dental Total	\$7,986,259	\$8,606	\$4,261,392	\$153	\$842,570	\$372	\$3,712	\$42,736	\$274,952	\$2,291,896	\$163,621	\$84,579,993	\$11,012,096	\$111,468,358
Other Services														
Ambulance	\$8,108,634	\$5,581	\$1,975,858	\$65,865	\$537,840	\$226,651	\$234,412	\$1,043,198	\$658,340	\$117,961	\$31,672	\$3,250,411	\$231,159	\$16,487,583
Non-Emergency Transportation	\$11,127,992	\$27,075	\$1,694,657	\$7,764	\$428,716	\$14,853	\$202,704	\$76,817	\$220,043	\$56,243	\$0	\$2,232,564	\$95,602	\$16,185,030
DME	\$15,229,992	\$18,411	\$1,485,459	\$722	\$206,111	\$2,743	\$734,099	\$236,503	\$507,226	\$271,329	\$15,055	\$3,655,661	\$604,117	\$22,967,429
Glasses / Contacts	\$1,215,312	\$1,884	\$757,182	\$0	\$169,140	\$173	\$180	\$152,715	\$173	\$152,715	\$17,172	\$4,028,936	\$573,170	\$6,917,676
Other	\$9,591,836	\$1,289	\$149,621	\$0	\$2,439	\$74	\$1,144,476	\$10,828	\$77,087	\$114,473	\$62,868	\$727,517	\$74,791	\$11,957,299
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Behavioral Health Total	\$606,611	\$166	\$72,511	\$0	\$2,219	\$74	\$0	\$0	\$0	\$22,291	\$368	\$421,316	\$38,278	\$1,163,834
Other Total	\$45,273,767	\$54,241	\$6,062,776	\$74,351	\$1,344,247	\$244,494	\$2,315,870	\$1,367,385	\$1,464,469	\$77,121	\$126,767	\$13,895,089	\$1,578,839	\$74,515,017
Total Behavioral Health	\$56,358,635	\$5,916	\$4,309,547	\$556	\$214,889	\$781	\$4,796	\$7,359	\$60,453	\$10,983,257	\$16,609,404	\$64,443,646	\$5,156,184	\$158,155,422
Grand Total	\$727,324,037	\$3,313,833	\$205,330,435	\$20,827,115	\$57,292,185	\$83,904,752	\$49,638,019	\$132,996,584	\$57,653,042	\$30,047,155	\$19,197,244	\$540,624,317	\$56,762,583	\$1,984,911,301

* The MYPAC rate cell contains FFS claims from Q1 to Q3 2018 rather than the full CY 2018 period.

Exhibit 11B
Mississippi Division of Medicaid
Summary of CY 2018* MississippiCAN Encounter and FFS Claims
Summary of Allowed PMPM by Rate Cell

Member Months	768,834	1,090	510,505	510,505	135,337	135,337	6,311	76,100	258,792	77,192	5,469	3,169,462	334,192	5,343,284
PMPM Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$63.00	\$95.51	\$10.66	\$0.00	\$2.54	\$0.05	\$268.32	\$35.25	\$19.90	\$5.98	\$9.68	\$3.17	\$2.38	\$14.08
Surgical	\$84.96	\$108.44	\$22.89	\$0.00	\$5.30	\$0.07	\$827.00	\$92.06	\$15.83	\$12.15	\$9.60	\$3.85	\$3.29	\$20.30
Maternity / Deliveries	\$3.73	\$0.00	\$3.72	\$31.76	\$32.32	\$480.40	\$4,111.65	\$1,212.57	\$0.20	\$1.16	\$1.36	\$1.22	\$1.27	\$39.87
Psychiatric / Substance Abuse	\$31.94	\$0.00	\$7.52	\$0.00	\$1.87	\$0.00	\$0.00	\$0.00	\$0.00	\$96.25	\$264.86	\$6.34	\$5.68	\$11.14
Skilled Nursing Facility	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Inpatient Behavioral Health Total	\$5.90	\$0.00	\$0.11	\$0.00	\$0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$77.39	\$153.85	\$4.40	\$3.80	\$4.99
Inpatient Facility Total	\$183.63	\$203.95	\$44.79	\$31.76	\$42.02	\$480.52	\$5,206.97	\$1,339.88	\$35.93	\$115.54	\$285.49	\$14.58	\$12.62	\$85.38
Outpatient Facility Services														
Emergency Room	\$36.27	\$31.99	\$34.35	\$0.02	\$35.38	\$0.25	\$54.66	\$23.71	\$26.73	\$9.08	\$19.30	\$11.12	\$8.07	\$18.36
Urgent Care	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Radiology / Pathology	\$32.04	\$397.65	\$21.95	\$0.01	\$25.88	\$0.21	\$28.18	\$8.44	\$8.39	\$5.22	\$9.20	\$4.46	\$4.28	\$11.01
Psychiatric / Alcohol & Drug Abuse	\$8.52	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.28	\$0.15	\$5.15	\$2.65	\$4.63
Pharmacy	\$39.73	\$665.17	\$12.14	\$0.01	\$10.93	\$0.16	\$150.94	\$1.26	\$2.32	\$1.07	\$0.87	\$1.49	\$1.15	\$8.57
Other	\$80.37	\$306.76	\$43.57	\$0.02	\$38.42	\$0.24	\$150.05	\$17.26	\$17.41	\$16.16	\$18.06	\$11.99	\$9.68	\$26.01
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Outpatient Behavioral Health Total	\$8.59	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.29	\$0.15	\$5.18	\$2.66	\$4.65
Outpatient Facility Total	\$196.93	\$1,401.57	\$112.02	\$0.06	\$110.61	\$0.87	\$383.84	\$50.67	\$54.85	\$43.81	\$47.59	\$34.21	\$25.83	\$68.57
Physician Services														
IP Visits	\$15.54	\$15.61	\$3.32	\$0.10	\$3.00	\$1.47	\$1,097.39	\$150.59	\$5.87	\$4.30	\$14.05	\$0.86	\$0.69	\$7.03
IP Surgery	\$5.98	\$22.82	\$2.36	\$0.06	\$0.88	\$0.75	\$64.82	\$6.18	\$1.27	\$0.62	\$0.24	\$0.33	\$0.30	\$1.59
Office / Home Visits	\$45.85	\$102.35	\$35.96	\$0.00	\$10.25	\$0.03	\$64.08	\$37.92	\$35.92	\$24.83	\$26.97	\$20.22	\$18.73	\$26.22
Preventive Exams & Immunizations	\$6.31	\$13.45	\$14.37	\$0.32	\$104.72	\$3.96	\$35.76	\$114.11	\$35.75	\$9.04	\$6.85	\$6.66	\$4.65	\$12.85
Urgent Care Visits	\$0.31	\$0.08	\$0.76	\$0.00	\$0.31	\$0.00	\$0.10	\$0.02	\$0.40	\$0.74	\$0.22	\$0.60	\$0.61	\$0.55
ER Visits and Observation Care	\$11.20	\$10.40	\$10.15	\$0.03	\$11.94	\$0.53	\$17.56	\$7.40	\$8.39	\$2.62	\$6.36	\$3.35	\$2.39	\$5.61
OP Surgery	\$15.38	\$110.49	\$12.83	\$0.00	\$3.48	\$0.02	\$15.06	\$2.68	\$4.04	\$5.05	\$4.10	\$3.98	\$3.82	\$6.48
Physical Therapy	\$7.60	\$14.77	\$2.24	\$0.00	\$0.25	\$0.00	\$16.84	\$0.11	\$1.03	\$6.11	\$2.91	\$2.24	\$1.54	\$2.90
Psychiatric / Substance Abuse	\$41.14	\$4.51	\$5.92	\$0.00	\$1.16	\$0.01	\$0.02	\$0.00	\$0.01	\$46.78	\$2,881.96	\$9.60	\$7.91	\$16.33
Radiology / Pathology	\$18.16	\$134.28	\$18.57	\$0.31	\$51.74	\$4.66	\$28.67	\$5.35	\$4.45	\$3.90	\$7.80	\$3.48	\$3.56	\$8.55
Vision, Hearing, and Speech Exams	\$4.88	\$6.42	\$4.15	\$0.00	\$3.28	\$0.00	\$5.79	\$0.32	\$0.36	\$5.10	\$6.12	\$3.51	\$4.42	\$3.65
Other	\$46.72	\$534.88	\$11.56	\$7.87	\$9.89	\$123.10	\$72.24	\$5.43	\$2.47	\$8.91	\$5.92	\$2.35	\$3.01	\$14.05
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Physician Behavioral Health Total	\$58.03	\$5.28	\$8.17	\$0.00	\$1.47	\$0.01	\$0.76	\$0.10	\$0.23	\$52.31	\$2,882.94	\$10.62	\$8.85	\$19.74
Physician Total	\$219.05	\$970.07	\$122.18	\$8.69	\$200.92	\$134.54	\$1,418.33	\$330.11	\$99.96	\$118.01	\$2,963.51	\$57.16	\$51.64	\$105.81
Pharmacy Services														
Pharmacy	\$277.13	\$406.97	\$103.00	\$0.14	\$53.63	\$2.23	\$488.63	\$8.47	\$25.32	\$72.96	\$160.51	\$33.55	\$42.08	\$76.91
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Pharmacy Total	\$277.13	\$406.97	\$103.00	\$0.14	\$53.63	\$2.23	\$488.63	\$8.47	\$25.32	\$72.96	\$160.51	\$33.55	\$42.08	\$76.91
Dental Services														
Dental	\$10.39	\$7.90	\$8.35	\$0.00	\$6.23	\$0.00	\$0.59	\$0.56	\$1.06	\$29.69	\$29.92	\$26.69	\$32.95	\$20.86
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dental Total	\$10.39	\$7.90	\$8.35	\$0.00	\$6.23	\$0.00	\$0.59	\$0.56	\$1.06	\$29.69	\$29.92	\$26.69	\$32.95	\$20.86
Other Services														
Ambulance	\$10.55	\$5.12	\$3.87	\$0.13	\$3.97	\$1.67	\$37.14	\$13.71	\$2.54	\$1.53	\$5.79	\$1.03	\$0.69	\$3.09
Non-Emergency Transportation	\$14.47	\$24.84	\$3.32	\$0.02	\$3.17	\$0.11	\$32.12	\$1.01	\$0.85	\$0.73	\$0.00	\$0.70	\$0.29	\$3.03
DME	\$19.81	\$16.89	\$2.91	\$0.00	\$1.52	\$0.02	\$116.32	\$3.11	\$1.96	\$3.51	\$2.75	\$1.15	\$1.81	\$4.30
Glasses / Contacts	\$1.58	\$1.73	\$1.48	\$0.00	\$1.25	\$0.00	\$0.00	\$0.00	\$0.01	\$1.98	\$3.14	\$1.27	\$1.72	\$1.29
Other	\$12.48	\$1.18	\$0.29	\$0.00	\$0.02	\$0.00	\$181.35	\$0.14	\$0.30	\$1.48	\$11.50	\$0.23	\$0.22	\$2.24
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Behavioral Health Total	\$0.79	\$0.15	\$0.14	\$0.00	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.29	\$0.07	\$0.13	\$0.11	\$0.22
Other Total	\$58.89	\$49.76	\$11.88	\$0.15	\$9.93	\$1.81	\$366.96	\$17.97	\$5.66	\$9.23	\$23.18	\$4.38	\$4.72	\$13.95
Total Behavioral Health	\$73.30	\$5.43	\$8.44	\$0.00	\$1.59	\$0.01	\$0.76	\$0.10	\$0.23	\$142.28	\$3,037.01	\$20.33	\$15.43	\$29.60
Grand Total	\$946.01	\$3,040.21	\$402.21	\$40.80	\$423.33	\$619.97	\$7,865.32	\$1,747.66	\$222.78	\$389.25	\$3,510.19	\$170.57	\$169.85	\$371.48

* The MYPAC rate cell contains FFS claims from Q1 to Q3 2018 rather than the full CY 2018 period.

Exhibit 11C Mississippi Division of Medicaid Summary of CY 2018* MississippiCAN Encounter and FFS Claims Summary of Total Costs by Rate Cell														
Member Months	768,834	1,090	510,505	510,505	135,337	135,337	6,311	76,100	258,792	77,192	5,469	3,169,462	334,192	5,343,284
% of Total Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	6.7%	3.1%	2.7%	0.0%	0.6%	0.0%	3.4%	2.0%	8.9%	1.5%	0.3%	1.9%	1.4%	3.8%
Surgical	9.0%	3.6%	5.7%	0.0%	1.3%	0.0%	10.5%	5.3%	7.1%	3.1%	0.3%	2.3%	1.9%	5.5%
Maternity / Deliveries	0.4%	0.0%	0.9%	77.9%	7.6%	77.5%	52.3%	69.4%	0.1%	0.3%	0.0%	0.7%	0.7%	10.7%
Psychiatric / Substance Abuse	3.4%	0.0%	1.9%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	24.7%	7.5%	3.7%	3.3%	3.0%
Skilled Nursing Facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Inpatient Behavioral Health Total	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19.9%	4.4%	2.6%	2.2%	1.3%
Inpatient Facility Total	19.4%	6.7%	11.1%	77.9%	9.9%	77.5%	66.2%	76.7%	16.1%	29.7%	8.1%	8.5%	7.4%	23.0%
Outpatient Facility Services														
Emergency Room	3.8%	1.1%	8.5%	0.0%	8.4%	0.0%	0.7%	1.4%	12.0%	2.3%	0.5%	6.5%	4.8%	4.9%
Urgent Care	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Radiology / Pathology	3.4%	13.1%	5.5%	0.0%	6.1%	0.0%	0.4%	0.5%	3.8%	1.3%	0.3%	2.6%	2.5%	3.0%
Psychiatric / Alcohol & Drug Abuse	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	3.0%	1.6%	1.2%
Pharmacy	4.2%	21.9%	3.0%	0.0%	2.6%	0.0%	1.9%	0.1%	1.0%	0.3%	0.0%	0.9%	0.7%	2.3%
Other	8.5%	10.1%	10.8%	0.0%	9.1%	0.0%	1.9%	1.0%	7.8%	4.2%	0.5%	7.0%	5.7%	7.0%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Outpatient Behavioral Health Total	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	3.0%	1.6%	1.3%
Outpatient Facility Total	20.8%	46.1%	27.9%	0.1%	26.1%	0.1%	4.9%	2.9%	24.6%	11.3%	1.4%	20.1%	15.2%	18.5%
Physician Services														
IP Visits	1.6%	0.5%	0.8%	0.3%	0.7%	0.2%	14.0%	8.6%	2.6%	1.1%	0.4%	0.5%	0.4%	1.9%
IP Surgery	0.6%	0.8%	0.6%	0.1%	0.2%	0.1%	0.8%	0.4%	0.6%	0.2%	0.0%	0.2%	0.2%	0.4%
Office / Home Visits	4.8%	3.4%	8.9%	0.0%	2.4%	0.0%	0.8%	2.2%	16.1%	6.4%	0.8%	11.9%	11.0%	7.1%
Preventive Exams & Immunizations	0.7%	0.4%	3.6%	0.8%	24.7%	0.6%	0.5%	6.5%	16.0%	2.3%	0.2%	3.9%	2.7%	3.5%
Urgent Care Visits	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.4%	0.4%	0.1%
ER Visits and Observation Care	1.2%	0.3%	2.5%	0.1%	2.8%	0.1%	0.2%	0.4%	3.8%	0.7%	0.2%	2.0%	1.4%	1.5%
OP Surgery	1.6%	3.6%	3.2%	0.0%	0.8%	0.0%	0.2%	0.2%	1.8%	1.3%	0.1%	2.3%	2.3%	1.7%
Physical Therapy	0.8%	0.5%	0.6%	0.0%	0.1%	0.0%	0.2%	0.0%	0.5%	1.6%	0.1%	1.3%	0.9%	0.8%
Psychiatric / Substance Abuse	4.3%	0.1%	1.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	12.0%	82.1%	5.6%	4.7%	4.4%
Radiology / Pathology	1.9%	4.4%	4.6%	0.8%	12.2%	0.8%	0.4%	0.3%	2.0%	1.0%	0.2%	2.0%	2.1%	2.3%
Vision, Hearing, and Speech Exams	0.5%	0.2%	1.0%	0.0%	0.8%	0.0%	0.1%	0.0%	0.2%	1.3%	0.2%	2.1%	2.6%	1.0%
Other	4.9%	17.6%	2.9%	19.3%	2.3%	19.9%	0.9%	0.3%	1.1%	2.3%	0.2%	1.4%	1.8%	3.8%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Physician Behavioral Health Total	6.1%	0.2%	2.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.1%	13.4%	82.1%	6.2%	5.2%	5.3%
Physician Total	23.2%	31.9%	30.4%	21.3%	47.5%	21.7%	18.0%	18.9%	44.9%	30.3%	84.4%	33.5%	30.4%	28.5%
Pharmacy Services														
Pharmacy	29.3%	13.4%	25.6%	0.3%	12.7%	0.4%	6.2%	0.5%	11.4%	18.7%	4.6%	19.7%	24.8%	20.7%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Pharmacy Total	29.3%	13.4%	25.6%	0.3%	12.7%	0.4%	6.2%	0.5%	11.4%	18.7%	4.6%	19.7%	24.8%	20.7%
Dental Services														
Dental	1.1%	0.3%	2.1%	0.0%	1.5%	0.0%	0.0%	0.0%	0.5%	7.6%	0.9%	15.6%	19.4%	5.6%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dental Total	1.1%	0.3%	2.1%	0.0%	1.5%	0.0%	0.0%	0.0%	0.5%	7.6%	0.9%	15.6%	19.4%	5.6%
Other Services														
Ambulance	1.1%	0.2%	1.0%	0.3%	0.9%	0.3%	0.5%	0.8%	1.1%	0.4%	0.2%	0.6%	0.4%	0.8%
Non-Emergency Transportation	1.5%	0.8%	0.8%	0.0%	0.7%	0.0%	0.4%	0.1%	0.4%	0.2%	0.0%	0.4%	0.2%	0.8%
DME	2.1%	0.6%	0.7%	0.0%	0.4%	0.0%	1.5%	0.2%	0.9%	0.9%	0.1%	0.7%	1.1%	1.2%
Glasses / Contacts	0.2%	0.1%	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.5%	0.1%	0.7%	1.0%	0.3%
Other	1.3%	0.0%	0.1%	0.0%	0.0%	0.0%	2.3%	0.0%	0.1%	0.4%	0.3%	0.1%	0.1%	0.6%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Behavioral Health Total	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.1%
Other Total	6.2%	1.6%	3.0%	0.4%	2.3%	0.3%	4.7%	1.0%	2.5%	2.4%	0.7%	2.6%	2.8%	3.8%
Total Behavioral Health	7.7%	0.2%	2.1%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%	36.6%	86.5%	11.9%	9.1%	8.0%
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

* The MYPAC rate cell contains FFS claims from Q1 to Q3 2018 rather than the full CY 2018 period.

Exhibit 11D
Mississippi Division of Medicaid
Summary of CY 2018* MississippiCAN Encounter and FFS Claims
Summary of Utilization/1000 and Average Charge by Rate Cell

Member Months	768,834	1,090	510,505	510,505	135,337	135,337	6,311	76,100	258,792	77,192	5,469	3,169,462	334,192	5,343,284
Utilization/1000														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	101.7	55.0	22.5	0.0	5.3	0.0	294.7	71.1	50.3	10.1	17.6	7.7	5.0	25.8
Surgical	52.4	121.1	20.7	0.0	3.8	0.1	193.9	38.6	10.2	6.5	6.6	2.7	2.0	12.7
Maternity / Deliveries	6.5	0.0	6.8	65.5	70.0	1,103.1	427.8	3,093.5	0.4	3.0	4.4	2.7	3.1	84.0
Psychiatric / Substance Abuse	52.6	0.0	16.2	0.0	4.4	0.0	0.0	0.0	0.0	82.9	449.8	9.3	8.0	16.9
Skilled Nursing Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inpatient Behavioral Health Total	8.6	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	53.2	247.9	6.0	5.0	6.1
Inpatient Facility Total	213.2	176.1	66.2	65.5	83.5	1,103.2	916.5	3,203.3	60.9	102.4	478.3	22.4	18.0	139.4
Pharmacy Services														
Pharmacy	27,768.0	38,587.2	17,546.2	98.1	9,717.8	1,601.2	13,709.4	3,367.6	7,568.9	10,804.9	24,065.8	6,456.8	6,362.6	10,815.2
Pharmacy Total	27,768.0	38,587.2	17,546.2	98.1	9,717.8	1,601.2	13,709.4	3,367.6	7,568.9	10,804.9	24,065.8	6,456.8	6,362.6	10,815.2
Average Charge														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$7,434.39	\$20,820.76	\$5,675.61	\$0.00	\$5,727.33	\$0.00	\$10,924.89	\$5,948.17	\$4,751.50	\$7,105.98	\$6,615.92	\$4,919.74	\$5,762.89	\$6,550.44
Surgical	\$19,470.01	\$10,745.46	\$13,293.02	\$0.00	\$16,671.66	\$9,555.72	\$51,168.52	\$28,593.76	\$18,619.43	\$22,323.94	\$17,498.40	\$17,416.50	\$19,967.21	\$19,174.66
Maternity / Deliveries	\$6,860.26	\$0.00	\$6,552.53	\$5,818.17	\$5,543.58	\$5,225.91	\$115,327.29	\$4,703.67	\$5,630.62	\$4,730.08	\$3,709.79	\$5,347.24	\$5,006.62	\$5,695.26
Psychiatric / Substance Abuse	\$7,290.26	\$0.00	\$5,561.26	\$0.00	\$5,053.23	\$0.00	\$0.00	\$0.00	\$0.00	\$13,939.42	\$7,065.97	\$8,184.07	\$8,545.94	\$7,910.52
Skilled Nursing Facility	\$1,429.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$714.61
Inpatient Behavioral Health Total	\$8,276.93	\$0.00	\$6,402.07	\$0.00	\$6,945.03	\$0.00	\$0.00	\$0.00	\$0.00	\$17,468.32	\$7,446.04	\$8,813.60	\$9,201.49	\$9,741.73
Inpatient Facility Total	\$10,337.52	\$13,893.99	\$8,113.90	\$5,818.17	\$6,037.22	\$5,226.82	\$68,176.74	\$5,019.43	\$7,081.17	\$13,534.26	\$7,162.23	\$7,800.61	\$8,432.48	\$7,350.05
Pharmacy Services														
Pharmacy	\$119.76	\$126.56	\$70.44	\$16.69	\$66.22	\$16.74	\$427.71	\$30.18	\$40.14	\$81.03	\$80.03	\$62.36	\$79.37	\$85.33
Pharmacy Total	\$119.76	\$126.56	\$70.44	\$16.69	\$66.22	\$16.74	\$427.71	\$30.18	\$40.14	\$81.03	\$80.03	\$62.36	\$79.37	\$85.33

* The MYPAC rate cell contains FFS claims from Q1 to Q3 2018 rather than the full CY 2018 period.

Exhibit 11E Mississippi Division of Medicaid Summary of CY 2019 MississippiCAN Encounter Claims Summary of Total Costs by Rate Cell														
Member Months	765,558	1,187	493,779	493,779	137,224	137,224	6,340	75,312	252,667	78,904	7,776	3,071,992	332,512	5,223,251
Total Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non- Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$49,048,956	\$93,607	\$5,696,101	\$4,774	\$290,622	\$0	\$1,384,220	\$2,440,819	\$4,087,342	\$385,662	\$69,248	\$8,766,093	\$647,376	\$72,914,821
Surgical	\$69,917,176	\$134,344	\$10,592,345	\$0	\$423,608	\$11,995	\$7,016,284	\$6,299,626	\$5,023,959	\$605,211	\$564,472	\$14,245,804	\$1,194,170	\$116,028,994
Maternity / Deliveries	\$2,255,061	\$0	\$1,737,145	\$16,136,004	\$3,973,247	\$62,926,649	\$22,541,756	\$95,276,289	\$522,479	\$78,494	\$33,605	\$3,831,013	\$388,667	\$209,700,410
Psychiatric / Substance Abuse	\$26,261,596	\$0	\$3,081,700	\$0	\$145,728	\$0	\$11,489	\$0	\$16,551	\$22,447,128	\$3,290,286	\$30,363,369	\$3,137,090	\$88,754,937
Skilled Nursing Facility	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Missing Data	\$901	\$0	\$28,702	\$19,398	\$1,260	\$16,442	\$0	\$169,012	\$0	\$26,057	\$0	\$6,716	\$0	\$268,488
Inpatient Behavioral Health Total	\$7,263,528	\$0	\$188,241	\$0	\$25,424	\$0	\$0	\$0	\$0	\$21,257,226	\$2,331,344	\$24,849,047	\$2,610,178	\$58,524,988
Inpatient Facility Total	\$147,483,689	\$227,951	\$21,135,993	\$16,160,176	\$4,834,465	\$62,955,087	\$30,953,749	\$104,185,746	\$9,650,331	\$23,542,551	\$3,957,611	\$57,212,995	\$5,367,303	\$487,667,649
Outpatient Facility Services														
Emergency Room	\$28,467,029	\$34,884	\$17,397,827	\$12,061	\$5,117,500	\$40,245	\$344,227	\$1,840,069	\$7,273,334	\$735,853	\$192,379	\$37,237,670	\$2,797,528	\$101,490,605
Urgent Care	\$173	\$0	\$103	\$0	\$0	\$0	\$0	\$0	\$1,351	\$0	\$0	\$2,171	\$192	\$3,990
Radiology / Pathology	\$24,538,892	\$396,253	\$10,779,802	\$5,867	\$3,750,480	\$27,745	\$187,279	\$710,413	\$2,364,271	\$435,073	\$90,570	\$15,222,433	\$1,566,005	\$60,075,083
Psychiatric / Alcohol & Drug Abuse	\$6,036,510	\$0	\$1,862	\$0	\$0	\$0	\$0	\$0	\$0	\$958,661	\$7,264	\$14,886,062	\$927,553	\$22,817,911
Pharmacy	\$36,791,153	\$1,111,201	\$5,867,515	\$6,622	\$1,645,719	\$27,379	\$35,077	\$109,766	\$372,728	\$53,810	\$11,848	\$5,090,180	\$579,933	\$51,702,932
Other	\$62,147,002	\$307,765	\$21,160,888	\$32,169	\$5,356,824	\$95,753	\$869,263	\$1,352,154	\$4,726,551	\$1,237,456	\$114,452	\$37,277,488	\$3,173,802	\$137,851,568
Missing Data	\$57,075	\$0	\$23,481	\$14	\$34,460	\$261	\$57	\$28	\$1,226	\$104	\$0	\$14,122	\$169	\$130,997
Outpatient Behavioral Health Total	\$6,081,195	\$0	\$1,722	\$0	\$0	\$0	\$0	\$0	\$0	\$960,774	\$7,423	\$14,957,416	\$932,732	\$22,941,262
Outpatient Facility Total	\$158,037,834	\$1,850,103	\$55,231,478	\$56,733	\$15,904,982	\$191,383	\$1,435,903	\$4,012,431	\$14,739,463	\$3,420,956	\$416,512	\$109,730,127	\$9,045,181	\$374,073,086
Physician Services														
IP Visits	\$12,735,356	\$12,184	\$1,624,765	\$46,674	\$352,803	\$190,485	\$7,373,070	\$11,828,265	\$1,875,115	\$377,959	\$166,445	\$2,718,673	\$210,103	\$39,511,897
IP Surgery	\$4,934,763	\$27,264	\$1,149,585	\$36,341	\$115,445	\$83,905	\$439,383	\$496,311	\$330,372	\$43,634	\$29,965	\$1,351,492	\$136,756	\$9,175,215
Office / Home Visits	\$35,414,626	\$123,452	\$18,076,527	\$437	\$1,423,904	\$3,358	\$431,054	\$3,008,137	\$9,451,806	\$2,154,300	\$241,654	\$68,030,028	\$6,823,981	\$145,183,262
Preventive Exams & Immunizations	\$4,812,262	\$12,092	\$7,139,031	\$165,458	\$14,104,940	\$474,677	\$220,184	\$8,377,947	\$9,220,359	\$729,482	\$72,326	\$21,675,379	\$1,611,657	\$68,615,793
Urgent Care Visits	\$311,680	\$328	\$492,612	\$0	\$46,952	\$0	\$1,538	\$2,664	\$125,828	\$81,436	\$6,718	\$2,502,109	\$273,479	\$3,845,343
ER Visits and Observation Care	\$8,973,379	\$12,448	\$5,228,836	\$17,757	\$1,687,160	\$68,918	\$112,620	\$587,489	\$2,213,469	\$230,813	\$64,492	\$11,467,520	\$849,875	\$31,514,774
OP Surgery	\$11,830,790	\$90,957	\$6,180,337	\$2,269	\$446,410	\$3,473	\$132,470	\$213,296	\$1,032,759	\$457,798	\$41,199	\$12,405,290	\$1,210,666	\$34,047,714
Physical Therapy	\$6,798,634	\$5,719	\$1,109,538	\$0	\$26,735	\$0	\$199,541	\$3,936	\$285,003	\$549,010	\$43,965	\$6,861,486	\$533,781	\$16,417,346
Psychiatric / Substance Abuse	\$31,733,693	\$3,700	\$3,108,629	\$575	\$169,637	\$538	\$113	\$1,555	\$477	\$3,843,569	\$21,336,734	\$31,392,413	\$3,021,992	\$94,613,624
Radiology / Pathology	\$13,726,173	\$138,649	\$9,133,239	\$152,508	\$7,083,465	\$557,542	\$205,024	\$477,032	\$1,651,171	\$377,897	\$66,289	\$13,326,825	\$1,447,394	\$48,343,209
Vision, Hearing, and Speech Exams	\$3,778,979	\$6,518	\$2,048,567	\$0	\$433,688	\$0	\$34,673	\$21,327	\$90,609	\$405,072	\$43,626	\$10,862,569	\$1,472,382	\$19,198,011
Other	\$35,628,709	\$774,615	\$5,413,444	\$3,877,530	\$1,236,251	\$15,701,192	\$715,131	\$481,988	\$804,879	\$1,018,501	\$85,231	\$7,552,275	\$1,715,893	\$75,005,639
Missing Data	\$37,990	\$0	\$11,588	\$677	\$558	\$388	\$0	\$210	\$1,522	\$4,435	\$498	\$43,141	\$4,256	\$105,264
Physician Behavioral Health Total	\$36,073,150	\$4,952	\$3,781,353	\$423	\$197,451	\$712	\$2,487	\$9,113	\$70,617	\$4,243,636	\$21,357,713	\$34,892,907	\$3,374,708	\$104,009,220
Physician Total	\$170,717,035	\$1,207,925	\$60,716,697	\$4,300,224	\$27,127,947	\$17,084,477	\$9,864,800	\$25,500,158	\$27,083,369	\$10,273,904	\$22,199,141	\$190,189,200	\$19,312,214	\$585,577,092
Pharmacy Services														
Pharmacy	\$236,660,714	\$627,794	\$56,566,654	\$79,816	\$7,075,967	\$317,743	\$3,717,886	\$669,632	\$6,016,033	\$5,836,415	\$1,276,733	\$106,880,645	\$14,449,149	\$440,175,181
Missing Data	\$89,566	\$12	\$15,168	\$18	\$2,163	\$89	\$157	\$612	\$7,817	\$101	\$463	\$33,330	\$9,003	\$158,501
Pharmacy Total	\$236,750,280	\$627,806	\$56,581,822	\$79,834	\$7,078,131	\$317,833	\$3,718,043	\$670,244	\$6,023,850	\$5,836,516	\$1,277,196	\$106,913,975	\$14,458,152	\$440,333,682
Dental Services														
Dental	\$7,166,959	\$9,718	\$3,443,218	\$323	\$686,206	\$324	\$4,494	\$49,420	\$249,559	\$2,145,298	\$245,929	\$79,120,267	\$10,862,854	\$103,984,570
Missing Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$328	\$328
Dental Total	\$7,166,959	\$9,718	\$3,443,218	\$323	\$686,206	\$324	\$4,494	\$49,420	\$249,559	\$2,145,298	\$245,929	\$79,120,267	\$10,863,182	\$103,984,898
Other Services														
Ambulance	\$7,843,235	\$4,994	\$1,817,679	\$86,109	\$537,961	\$188,481	\$235,937	\$858,893	\$581,810	\$118,720	\$75,076	\$3,304,100	\$257,947	\$15,910,940
Non-Emergency Transportation	\$10,482,618	\$24,320	\$1,491,484	\$4,922	\$323,884	\$9,259	\$186,284	\$68,031	\$180,461	\$45,797	\$29,433	\$1,918,173	\$83,973	\$14,848,640
DME	\$18,322,669	\$17,247	\$1,983,188	\$1,066	\$239,677	\$5,096	\$637,979	\$166,909	\$590,534	\$417,109	\$20,596	\$5,104,971	\$848,289	\$28,355,329
Glasses / Contacts	\$1,192,871	\$1,942	\$721,485	\$0	\$167,646	\$105	\$0	\$1,568	\$155,979	\$19,245	\$1,568	\$3,962,384	\$580,960	\$6,805,132
Other	\$9,668,055	\$496	\$184,631	\$0	\$3,969	\$0	\$615,277	\$8,444	\$7,571	\$221,302	\$2,382	\$892,500	\$79,861	\$11,684,489
Missing Data	\$12,274	\$0	\$394	\$4	\$0	\$0	\$0	\$0	\$0	\$37	\$0	\$12,364	\$0	\$25,073
Other Behavioral Health Total	\$592,014	\$160	\$61,186	\$0	\$2,098	\$0	\$0	\$0	\$0	\$26,134	\$2,346	\$450,188	\$52,519	\$1,186,644
Other Total	\$47,521,722	\$48,999	\$6,198,861	\$92,100	\$1,273,137	\$202,941	\$1,676,424	\$1,102,277	\$1,361,943	\$958,944	\$146,732	\$15,194,493	\$1,851,030	\$77,629,604
Total Behavioral Health	\$50,009,887	\$5,111	\$4,032,501	\$423	\$224,973	\$712	\$2,487	\$9,113	\$70,617	\$26,487,770	\$23,698,826	\$75,149,558	\$6,970,136	\$186,662,114
Grand Total	\$767,677,519	\$3,972,503	\$203,308,069	\$20,689,391	\$56,904,869	\$80,752,044	\$47,653,414	\$135,520,276	\$59,108,516	\$46,178,169	\$28,243,122	\$558,361,057	\$60,897,062	\$2,069,266,011

Exhibit 11F Mississippi Division of Medicaid Summary of CY 2019 MississippiCAN Encounter Claims Summary of Allowed PMPM by Rate Cell														
Member Months	765,558	1,187	493,779	493,779	137,224	137,224	6,340	75,312	252,667	78,904	7,776	3,071,992	332,512	5,223,251
MPPM Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$64.07	\$78.86	\$11.54	\$0.01	\$2.12	\$0.00	\$218.33	\$32.41	\$16.18	\$4.89	\$8.91	\$2.85	\$1.95	\$13.96
Surgical	\$91.33	\$113.18	\$21.45	\$0.00	\$3.09	\$0.09	\$1,106.67	\$83.65	\$19.88	\$7.67	\$72.59	\$4.64	\$3.59	\$22.21
Maternity / Deliveries	\$2.95	\$0.00	\$3.52	\$32.68	\$28.95	\$458.57	\$3,555.48	\$1,265.09	\$2.07	\$0.99	\$4.32	\$1.25	\$1.17	\$40.15
Psychiatric / Substance Abuse	\$34.30	\$0.00	\$6.24	\$0.00	\$1.06	\$0.00	\$1.81	\$0.00	\$0.07	\$284.49	\$423.13	\$9.88	\$9.43	\$16.99
Skilled Nursing Facility	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Missing Data	\$0.00	\$0.00	\$0.06	\$0.04	\$0.01	\$0.12	\$0.00	\$2.24	\$0.00	\$0.33	\$0.00	\$0.00	\$0.00	\$0.05
Inpatient Behavioral Health Total	\$9.49	\$0.00	\$0.38	\$0.00	\$0.19	\$0.00	\$0.00	\$0.00	\$0.00	\$269.41	\$299.81	\$8.09	\$7.85	\$11.20
Inpatient Facility Total	\$192.65	\$192.04	\$42.80	\$32.73	\$35.23	\$458.78	\$4,882.29	\$1,383.39	\$38.19	\$298.37	\$508.95	\$18.62	\$16.14	\$93.36
Outpatient Facility Services														
Emergency Room	\$37.18	\$29.39	\$35.23	\$0.02	\$37.29	\$0.29	\$54.29	\$24.43	\$28.79	\$9.33	\$24.74	\$12.12	\$8.41	\$19.43
Urgent Care	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Radiology / Pathology	\$32.05	\$333.83	\$21.83	\$0.01	\$27.33	\$0.20	\$29.54	\$9.43	\$9.36	\$5.51	\$11.65	\$4.96	\$4.71	\$11.50
Psychiatric / Alcohol & Drug Abuse	\$7.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.15	\$0.93	\$4.85	\$2.79	\$4.37
Pharmacy	\$48.06	\$936.14	\$11.88	\$0.01	\$11.99	\$0.20	\$5.53	\$1.46	\$1.48	\$0.68	\$1.52	\$1.66	\$1.74	\$9.90
Other	\$81.18	\$259.28	\$42.85	\$0.07	\$39.04	\$0.70	\$137.11	\$17.95	\$18.71	\$15.68	\$14.72	\$12.13	\$9.54	\$26.39
Missing Data	\$0.07	\$0.00	\$0.05	\$0.00	\$0.25	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.03
Outpatient Behavioral Health Total	\$7.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.18	\$0.95	\$4.87	\$2.81	\$4.39
Outpatient Facility Total	\$206.43	\$1,558.64	\$111.85	\$0.11	\$115.91	\$1.39	\$226.48	\$53.28	\$58.34	\$43.36	\$53.56	\$35.72	\$27.20	\$71.62
Physician Services														
IP Visits	\$16.64	\$10.26	\$3.29	\$0.09	\$2.57	\$1.39	\$1,162.94	\$157.06	\$7.42	\$4.79	\$21.41	\$0.88	\$0.63	\$7.56
IP Surgery	\$6.45	\$22.97	\$2.33	\$0.07	\$0.84	\$0.61	\$69.30	\$6.59	\$1.31	\$0.55	\$3.85	\$0.44	\$0.41	\$1.76
Office / Home Visits	\$46.26	\$104.00	\$36.61	\$0.00	\$10.38	\$0.02	\$67.99	\$39.94	\$37.41	\$27.30	\$31.08	\$22.15	\$20.52	\$27.80
Preventive Exams & Immunizations	\$6.29	\$10.19	\$14.46	\$0.34	\$102.79	\$3.46	\$34.73	\$111.24	\$36.49	\$9.25	\$9.30	\$7.06	\$4.85	\$13.14
Urgent Care Visits	\$0.41	\$0.28	\$1.00	\$0.00	\$0.34	\$0.00	\$0.24	\$0.04	\$0.50	\$1.03	\$0.86	\$0.81	\$0.82	\$0.74
ER Visits and Observation Care	\$11.72	\$10.49	\$10.59	\$0.04	\$12.29	\$0.50	\$17.76	\$7.80	\$8.76	\$2.93	\$8.29	\$3.73	\$2.56	\$6.03
OP Surgery	\$15.45	\$76.63	\$12.52	\$0.00	\$3.25	\$0.03	\$20.89	\$2.83	\$4.09	\$5.80	\$5.30	\$4.04	\$3.64	\$6.52
Physical Therapy	\$8.88	\$4.82	\$2.25	\$0.00	\$0.19	\$0.00	\$31.47	\$0.05	\$1.13	\$6.96	\$5.65	\$2.23	\$1.61	\$3.14
Psychiatric / Substance Abuse	\$41.45	\$3.12	\$6.30	\$0.00	\$1.24	\$0.00	\$0.02	\$0.02	\$0.00	\$48.71	\$2,743.92	\$10.22	\$9.09	\$18.11
Radiology / Pathology	\$17.93	\$116.81	\$18.50	\$0.31	\$51.62	\$4.06	\$32.34	\$6.33	\$6.53	\$4.79	\$8.52	\$4.34	\$4.35	\$9.26
Vision, Hearing, and Speech Exams	\$4.94	\$5.49	\$4.15	\$0.00	\$3.16	\$0.00	\$5.47	\$0.28	\$0.36	\$5.13	\$5.61	\$3.54	\$4.43	\$3.68
Other	\$46.54	\$652.58	\$10.96	\$7.85	\$9.01	\$114.42	\$112.80	\$6.40	\$3.19	\$12.91	\$10.96	\$2.46	\$5.16	\$14.36
Missing Data	\$0.05	\$0.00	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.06	\$0.06	\$0.01	\$0.01	\$0.02
Physician Behavioral Health Total	\$47.12	\$4.17	\$7.66	\$0.00	\$1.44	\$0.01	\$0.39	\$0.12	\$0.28	\$53.78	\$2,746.62	\$11.36	\$10.15	\$19.91
Physician Total	\$223.00	\$1,017.63	\$122.96	\$8.71	\$197.69	\$124.50	\$1,555.96	\$338.59	\$107.19	\$130.21	\$2,854.83	\$61.91	\$58.08	\$112.11
Pharmacy Services														
Pharmacy	\$309.13	\$528.89	\$114.56	\$0.16	\$51.57	\$2.32	\$586.42	\$8.89	\$23.81	\$73.97	\$164.19	\$34.79	\$43.45	\$84.27
Missing Data	\$0.12	\$0.01	\$0.03	\$0.00	\$0.02	\$0.00	\$0.02	\$0.01	\$0.03	\$0.00	\$0.06	\$0.01	\$0.03	\$0.03
Pharmacy Total	\$309.25	\$528.90	\$114.59	\$0.16	\$51.58	\$2.32	\$586.44	\$8.90	\$23.84	\$73.97	\$164.25	\$34.80	\$43.48	\$84.30
Dental Services														
Dental	\$9.36	\$8.19	\$6.97	\$0.00	\$5.00	\$0.00	\$0.71	\$0.66	\$0.99	\$27.19	\$31.63	\$25.76	\$32.67	\$19.91
Missing Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dental Total	\$9.36	\$8.19	\$6.97	\$0.00	\$5.00	\$0.00	\$0.71	\$0.66	\$0.99	\$27.19	\$31.63	\$25.76	\$32.67	\$19.91
Other Services														
Ambulance	\$10.25	\$4.21	\$3.68	\$0.17	\$3.92	\$1.37	\$37.21	\$11.40	\$2.30	\$1.50	\$9.65	\$1.08	\$0.78	\$3.05
Non-Emergency Transportation	\$13.69	\$20.49	\$3.02	\$0.01	\$2.36	\$0.07	\$29.38	\$0.90	\$0.71	\$0.58	\$3.79	\$0.62	\$0.25	\$2.84
DME	\$23.93	\$14.53	\$4.02	\$0.00	\$1.75	\$0.04	\$100.63	\$2.22	\$2.34	\$5.29	\$2.65	\$1.66	\$2.55	\$5.43
Glasses / Contacts	\$1.56	\$1.64	\$1.46	\$0.00	\$1.22	\$0.00	\$0.00	\$0.15	\$0.00	\$1.98	\$2.47	\$1.29	\$1.75	\$1.30
Other	\$12.63	\$0.42	\$0.37	\$0.00	\$0.03	\$0.00	\$97.05	\$0.11	\$0.03	\$2.80	\$0.31	\$0.29	\$0.24	\$2.24
Missing Data	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Behavioral Health Total	\$0.77	\$0.13	\$0.12	\$0.00	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.33	\$0.30	\$0.15	\$0.16	\$0.23
Other Total	\$62.07	\$41.28	\$12.55	\$0.19	\$9.28	\$1.48	\$264.42	\$14.64	\$5.39	\$12.15	\$18.87	\$4.95	\$5.57	\$14.86
Total Behavioral Health	\$65.32	\$4.31	\$8.17	\$0.00	\$1.64	\$0.01	\$0.39	\$0.12	\$0.28	\$335.70	\$3,047.69	\$24.46	\$20.96	\$35.74
Grand Total	\$1,002.77	\$3,346.67	\$411.74	\$41.90	\$414.69	\$588.47	\$7,516.31	\$1,799.45	\$233.94	\$585.24	\$3,632.09	\$181.76	\$183.14	\$396.16

Exhibit 11G Mississippi Division of Medicaid Summary of CY 2019 MississippiCAN Encounter Claims Summary of Total Costs by Rate Cell														
Member Months	765,558	1,187	493,779	493,779	137,224	137,224	6,340	75,312	252,667	78,904	7,776	3,071,992	332,512	5,223,251
% of Total Allowed Cost														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	6.4%	2.4%	2.8%	0.0%	0.5%	0.0%	2.9%	1.8%	6.9%	0.8%	0.2%	1.6%	1.1%	3.5%
Surgical	9.1%	3.4%	5.2%	0.0%	0.7%	0.0%	14.7%	4.6%	8.5%	1.3%	2.0%	2.6%	2.0%	5.6%
Maternity / Deliveries	0.3%	0.0%	0.9%	78.0%	7.0%	77.9%	47.3%	70.3%	0.9%	0.2%	0.1%	0.7%	0.6%	10.1%
Psychiatric / Substance Abuse	3.4%	0.0%	1.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	48.6%	11.6%	5.4%	5.2%	4.3%
Skilled Nursing Facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing Data	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Inpatient Behavioral Health Total	0.9%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	46.0%	8.3%	4.5%	4.3%	2.8%
Inpatient Facility Total	19.2%	5.7%	10.4%	78.1%	8.5%	78.0%	65.0%	76.9%	16.3%	51.0%	14.0%	10.2%	8.8%	23.6%
Outpatient Facility Services														
Emergency Room	3.7%	0.9%	8.6%	0.1%	9.0%	0.0%	0.7%	1.4%	12.3%	1.6%	0.7%	6.7%	4.6%	4.9%
Urgent Care	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Radiology / Pathology	3.2%	10.0%	5.3%	0.0%	6.6%	0.0%	0.4%	0.5%	4.0%	0.9%	0.3%	2.7%	2.6%	2.9%
Psychiatric / Alcohol & Drug Abuse	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	2.7%	1.5%	1.1%
Pharmacy	4.8%	28.0%	2.9%	0.0%	2.9%	0.0%	0.1%	0.1%	0.6%	0.1%	0.0%	0.9%	1.0%	2.5%
Other	8.1%	7.7%	10.4%	0.2%	9.4%	0.1%	1.8%	1.0%	8.0%	2.7%	0.4%	6.7%	5.2%	6.7%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Outpatient Behavioral Health Total	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	2.7%	1.5%	1.1%
Outpatient Facility Total	20.6%	46.6%	27.2%	0.3%	28.0%	0.2%	3.0%	3.0%	24.9%	7.4%	1.5%	19.7%	14.9%	18.1%
Physician Services														
IP Visits	1.7%	0.3%	0.8%	0.2%	0.6%	0.2%	15.5%	8.7%	3.2%	0.8%	0.6%	0.5%	0.3%	1.9%
IP Surgery	0.6%	0.7%	0.6%	0.2%	0.2%	0.1%	0.9%	0.4%	0.6%	0.1%	0.1%	0.2%	0.2%	0.4%
Office / Home Visits	4.6%	3.1%	8.9%	0.0%	2.5%	0.0%	0.9%	2.2%	16.0%	4.7%	0.9%	12.2%	11.2%	7.0%
Preventive Exams & Immunizations	0.6%	0.3%	3.5%	0.8%	24.8%	0.6%	0.5%	6.2%	15.6%	1.6%	0.3%	3.9%	2.6%	3.3%
Urgent Care Visits	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.4%	0.4%	0.2%
ER Visits and Observation Care	1.2%	0.3%	2.6%	0.1%	3.0%	0.1%	0.2%	0.4%	3.7%	0.5%	0.2%	2.1%	1.4%	1.5%
OP Surgery	1.5%	2.3%	3.0%	0.0%	0.8%	0.0%	0.3%	0.2%	1.7%	1.0%	0.1%	2.2%	2.0%	1.6%
Physical Therapy	0.9%	0.1%	0.5%	0.0%	0.0%	0.0%	0.4%	0.0%	0.5%	1.2%	0.2%	1.2%	0.9%	0.8%
Psychiatric / Substance Abuse	4.1%	0.1%	1.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	8.3%	75.5%	5.6%	5.0%	4.6%
Radiology / Pathology	1.8%	3.5%	4.5%	0.7%	12.4%	0.7%	0.4%	0.4%	2.8%	0.8%	0.2%	2.4%	2.4%	2.3%
Vision, Hearing, and Speech Exams	0.5%	0.2%	1.0%	0.0%	0.8%	0.0%	0.1%	0.0%	0.2%	0.9%	0.2%	1.9%	2.4%	0.9%
Other	4.6%	19.5%	2.7%	18.7%	2.2%	19.4%	1.5%	0.4%	1.4%	2.2%	0.3%	1.4%	2.8%	3.6%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Physician Behavioral Health Total	4.7%	0.1%	1.9%	0.0%	0.3%	0.0%	0.0%	0.0%	0.1%	9.2%	75.6%	6.2%	5.5%	5.0%
Physician Total	22.2%	30.4%	29.9%	20.8%	47.7%	21.2%	20.7%	18.8%	45.8%	22.2%	78.6%	34.1%	31.7%	28.3%
Pharmacy Services														
Pharmacy	30.8%	15.8%	27.8%	0.4%	12.4%	0.4%	7.8%	0.5%	10.2%	12.6%	4.5%	19.1%	23.7%	21.3%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Pharmacy Total	30.8%	15.8%	27.8%	0.4%	12.4%	0.4%	7.8%	0.5%	10.2%	12.6%	4.5%	19.1%	23.7%	21.3%
Dental Services														
Dental	0.9%	0.2%	1.7%	0.0%	1.2%	0.0%	0.0%	0.0%	0.4%	4.6%	0.9%	14.2%	17.8%	5.0%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dental Total	0.9%	0.2%	1.7%	0.0%	1.2%	0.0%	0.0%	0.0%	0.4%	4.6%	0.9%	14.2%	17.8%	5.0%
Other Services														
Ambulance	1.0%	0.1%	0.9%	0.4%	0.9%	0.2%	0.5%	0.6%	1.0%	0.3%	0.3%	0.6%	0.4%	0.8%
Non-Emergency Transportation	1.4%	0.6%	0.7%	0.0%	0.6%	0.0%	0.4%	0.1%	0.3%	0.1%	0.1%	0.3%	0.1%	0.7%
DME	2.4%	0.4%	1.0%	0.0%	0.4%	0.0%	1.3%	0.1%	1.0%	0.9%	0.1%	0.9%	1.4%	1.4%
Glasses / Contacts	0.2%	0.0%	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%	0.1%	0.7%	1.0%	0.3%
Other	1.3%	0.0%	0.1%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.5%	0.0%	0.2%	0.1%	0.6%
Missing Data	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Behavioral Health Total	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.1%
Other Total	6.2%	1.2%	3.0%	0.4%	2.2%	0.3%	3.5%	0.8%	2.3%	2.1%	0.5%	2.7%	3.0%	3.8%
Total Behavioral Health	6.5%	0.1%	2.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%	57.4%	83.9%	13.5%	11.4%	9.0%
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Exhibit 11H
Mississippi Division of Medicaid
Summary of CY 2019 MississippiCAN Encounter Claims
Summary of Utilization/1000 and Average Charge by Rate Cell

Member Months	765,558	1,187	493,779	493,779	137,224	137,224	6,340	75,312	252,667	78,904	7,776	3,071,992	332,512	5,223,251

Utilization/1000														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	102.7	131.4	24.7	0.0	4.9	0.0	314.2	66.1	44.2	8.7	15.4	7.2	4.3	25.7
Surgical	56.6	121.3	19.4	0.0	3.1	0.1	215.8	42.2	9.8	4.7	1.5	2.9	2.8	13.6
Maternity / Deliveries	5.8	0.0	8.5	74.2	77.4	1,128.5	353.9	3,508.1	0.6	1.8	6.2	3.2	3.0	93.5
Psychiatric / Substance Abuse	62.3	0.0	16.5	0.0	2.7	0.0	1.9	0.0	0.0	140.7	564.8	13.1	11.1	22.1
Skilled Nursing Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inpatient Behavioral Health Total	13.1	0.0	0.9	0.0	0.3	0.0	0.0	0.0	0.0	113.8	392.0	9.7	8.2	10.5
Inpatient Facility Total	227.4	252.7	69.1	74.2	88.1	1,128.6	885.8	3,616.5	54.7	155.9	588.0	26.4	21.2	154.9
Pharmacy Services														
Pharmacy	27,488.8	38,527.4	17,401.4	108.5	9,423.1	1,582.7	13,487.7	3,428.6	7,366.1	11,538.7	26,095.7	6,779.4	6,712.0	11,032.0
Pharmacy Total	27,488.8	38,527.4	17,401.4	108.5	9,423.1	1,582.7	13,487.7	3,428.6	7,366.1	11,538.7	26,095.7	6,779.4	6,712.0	11,032.0

Average Charge														
Service Category	Non-Newborn SSI / Disabled	Breast and Cervical Cancer	MA Adult - Non-Deliveries	Deliveries - MA Adult	Pregnant Women - Non-Deliveries	Deliveries - Pregnant Women	SSI / Disabled Newborn	Non-SSI Newborns 0 to 2 Months	Non-SSI Newborns 3 to 12 Months	Foster Care	MYPAC	MA Children	Quasi-CHIP	All MSCAN Rate Cells
Inpatient Facility Services														
Medical	\$7,484.96	\$7,200.57	\$5,606.40	\$4,774.06	\$5,189.68	\$0.00	\$8,338.68	\$5,881.49	\$4,390.27	\$6,765.99	\$6,924.79	\$4,759.01	\$5,440.14	\$6,522.48
Surgical	\$19,373.01	\$11,195.33	\$13,240.43	\$0.00	\$12,103.07	\$11,995.12	\$61,546.35	\$23,772.17	\$24,270.33	\$19,522.92	\$564,472.15	\$18,994.41	\$15,508.70	\$19,659.27
Maternity / Deliveries	\$6,111.28	\$0.00	\$4,977.49	\$5,287.03	\$4,489.55	\$4,876.14	\$120,544.15	\$4,327.40	\$40,190.67	\$6,541.16	\$8,401.31	\$4,729.65	\$4,626.99	\$5,153.99
Psychiatric / Substance Abuse	\$6,603.37	\$0.00	\$4,551.99	\$0.00	\$4,700.91	\$0.00	\$11,488.65	\$0.00	\$16,550.98	\$24,267.17	\$8,989.85	\$9,058.28	\$10,185.36	\$9,208.85
Skilled Nursing Facility	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Inpatient Behavioral Health Total	\$8,698.84	\$0.00	\$5,228.91	\$0.00	\$6,356.05	\$0.00	\$0.00	\$0.00	\$0.00	\$28,418.75	\$9,178.52	\$10,027.86	\$11,549.46	\$12,775.59
Inpatient Facility Total	\$10,165.68	\$9,118.05	\$7,437.01	\$5,293.21	\$4,800.86	\$4,877.97	\$66,140.49	\$4,590.29	\$8,377.02	\$22,968.34	\$10,387.43	\$8,470.98	\$9,128.07	\$7,234.78
Pharmacy Services														
Pharmacy	\$134.95	\$164.73	\$79.00	\$17.88	\$65.67	\$17.56	\$521.74	\$31.12	\$38.79	\$76.93	\$75.50	\$61.58	\$77.69	\$91.67
Pharmacy Total	\$135.00	\$164.74	\$79.02	\$17.88	\$65.69	\$17.56	\$521.76	\$31.15	\$38.84	\$76.93	\$75.53	\$61.60	\$77.74	\$91.70

Exhibit 12 Mississippi Division of Medicaid Encounter Data - 5% Assessment Categories						
COS	COS Description	Rendering Provider Code	Rendering Provider Type Description	Mapped Broad Category of Service	Percent of Total 2018 Allowed in COS and Rendering Provider	Percent of Total 2019 Allowed in COS and Rendering Provider
03	LABORATORY AND RADIOLOGY	B00	INDEPENDENT LAB	Physician	0.41%	0.22%
05	PHYSICIAN	A08	CHIROPRACTOR	Physician	0.03%	0.01%
05	PHYSICIAN	A09	PODIATRIST	Physician, Other	0.07%	0.03%
06	HOME & COMM BASED SERVICES	L00	HHA UNCLASSIFIED	N/A - No Claims	0.00%	0.00%
06	HOME & COMM BASED SERVICES	L02	HHA HOSPITAL BASED PROGRAM	N/A - No Claims	0.00%	0.00%
06	HOME & COMM BASED SERVICES	W01	PERSONAL CARE SERVICES	N/A - No Claims	0.00%	0.00%
06	HOME & COMM BASED SERVICES	W03	RESPIRE CARE, IN HOME	Other	0.00%	0.00%
06	HOME & COMM BASED SERVICES	W04	ADULT DAY CARE	N/A - No Claims	0.00%	0.00%
06	HOME & COMM BASED SERVICES	WC0	ASSISTED LIVING SERVICES PROV	N/A - No Claims	0.00%	0.00%
07	HOME HEALTH SERVICES	L00	HHA UNCLASSIFIED	Outpatient	0.00%	0.02%
07	HOME HEALTH SERVICES	L02	HHA HOSPITAL BASED PROGRAM	Outpatient	0.01%	0.01%
09	MENTAL HEALTH CLINIC SERVICES	X00	COMMUNITY MENTAL HEALTH	Physician, Outpatient	3.76%	1.27%
09	MENTAL HEALTH CLINIC SERVICES	X01	PRIVATE MENTAL HEALTH	Physician	0.45%	0.25%
10	EPSDT SCREENING	E00	NURSE SCREENING	Physician	0.22%	0.09%
10	EPSDT SCREENING	E01	NURSE SCREENING WITH CASE MGMT	Physician, Dental	0.00%	0.00%
10	EPSDT SCREENING	E04	PHYSICIANS SCREENER	Physician	0.50%	0.17%
10	EPSDT SCREENING	E06	FEDERAL CLINIC, SCREEN ONLY	Physician	0.00%	0.00%
10	EPSDT SCREENING	ED0	SCHOOL BASED SCREEN & CS MGT	Physician	0.00%	0.00%
10	EPSDT SCREENING	EV0	VACCINE FOR CHILDREN PROVIDER	Physician	0.20%	0.07%
11	EMERG/NON-EMERG TRANS	J00	AMBULANCE	Other	0.38%	0.18%
12	DENTAL SERVICES	K00	DENTIST, UNCLASSIFIED	Dental	0.28%	0.07%
13	EYEGLASS SERVICES	N00	OPTOMETRIST	Physician, Other	0.30%	0.23%
13	EYEGLASS SERVICES	N01	OPTICAL DISPENSARY	Other	0.02%	0.01%
16	DENTAL SCREENING	K00	DENTIST, UNCLASSIFIED	Dental	3.88%	1.30%
17	EYEGLASS SCREENING	N00	OPTOMETRIST	Physician, Other	0.77%	0.50%
17	EYEGLASS SCREENING	N01	OPTICAL DISPENSARY	Other	0.05%	0.02%
18	HEARING SCREENING	M00	AUDIOLOGIST	Other, Physician	0.01%	0.00%
24	MEDICAL SUPPLY (DME)	I00	DME, MEDICAL EQUIP SUPPLIES	Other	0.57%	0.38%
24	MEDICAL SUPPLY (DME)	I01	DME, HOME HEALTH	Other	0.01%	0.01%
24	MEDICAL SUPPLY (DME)	I03	DME, PHARMACY BASED, COMMUNITY	Other, Physician	0.06%	0.03%
24	MEDICAL SUPPLY (DME)	S02	NURSE PRACTITIONER	Physician, Other	0.00%	0.00%
24	MEDICAL SUPPLY (DME)	Y03	NF, COUNTY OWNED	N/A - No Claims	0.00%	0.00%
24	MEDICAL SUPPLY (DME)	ZA0	GROUP, PHYSICIANS	N/A - No Claims	0.00%	0.00%
24	MEDICAL SUPPLY (DME)	ZZ0	GROUP, OTHERS	N/A - No Claims	0.00%	0.00%
25	THERAPY SERVICES (OUTSIDE HH)	T00	OCCUPATIONAL THERAPISTS	Physician	0.09%	0.05%
25	THERAPY SERVICES (OUTSIDE HH)	T01	PHYSICAL THERAPISTS	Physician	0.22%	0.10%
25	THERAPY SERVICES (OUTSIDE HH)	T02	SPEECH/LANGUAGE THERAPISTS	Physician	0.24%	0.12%
28	NURSE SERVICES	S00	NURSE ANESTHETIST	Physician	0.26%	0.07%
28	NURSE SERVICES	S01	NURSE MIDWIVES	Physician	0.03%	0.01%
28	NURSE SERVICES	S02	NURSE PRACTITIONER	Physician	1.71%	0.75%
28	NURSE SERVICES	S05	PRIVATE DUTY NURSING	Other	0.24%	0.08%
28	NURSE SERVICES	S06	PHYSICIAN ASSISTANT	Physician	0.09%	0.04%
29	AMBULATORY SURGICAL CENTER	V00	AMBULATORY SURGICAL CENTERS	Physician, Outpatient	0.24%	0.13%
30	PERSONAL CARE SERVICES	W06	PERSONAL CARE ATTENDANT	N/A - No Claims	0.00%	0.00%
33	MENTAL HEALTH PRIVATE SERVICES	X02	SOCIAL WORKER	Physician	0.11%	0.05%
33	MENTAL HEALTH PRIVATE SERVICES	X03	PSYCHOLOGIST	Physician	0.05%	0.02%
33	MENTAL HEALTH PRIVATE SERVICES	X05	IDD COMMUNITY SUPPORT PROGRAM	Physician	0.00%	0.00%
33	MENTAL HEALTH PRIVATE SERVICES	X07	LICENSED PROFESSIONAL COUNSELOR	Physician	0.10%	0.05%
33	MENTAL HEALTH PRIVATE SERVICES	X08	BOARD CERTIFD BEHAVIOR ANALYST	Physician	0.01%	0.01%
35	FREE STANDING DIALYSIS	Q01	KIDNEY DIALYSIS FREESTANDING	Outpatient	0.54%	0.16%
35	FREE STANDING DIALYSIS	Q02	KIDNEY DIALYSIS HOSPITAL BASED	Outpatient	0.00%	0.00%
61	PRESCRIBED PED EXT CARE CENTER	S07	PRESCRIBED PED EXT CARE CENTER	Physician	0.29%	0.18%
57	MYPAC SERVICES	X04	N/A	Physician	0.00%	0.26%
Percent of Allowed Eligible for 5% Assessment (A)					16.21%	6.94%
5% Assessment Adjustment (B) = 1 - (A) * 0.05					0.9919	0.9965

Exhibit 13
Mississippi Division of Medicaid
Summary of Program, Population, and Reimbursement Changes

Change	Change Type	Effective Date	Impacted Rate Cells	Where Reflected in Rate Development
ASD Services	Program	July 1, 2019	SSI, Foster Care, MA Children, and Quasi-CHIP	Exhibit 2A
PDL Adjustment	Program	January 1, 2019, January 1, 2020, May 1, 2020, and January 1, 2021	All	Exhibits 1B, 1C, and 2A
Non-Facility 5% Assessment Application	Reimbursement	July 1, 2018	All	Exhibits 1A and 1B
OPPS Reimbursement	Reimbursement	July 1, 2018	All	Exhibits 1A, 1B, 1C, and 2A
Physician Administered Drug Reimbursement	Reimbursement	July 1, 2018	SSI and MA Adult (non-delivery)	Exhibit 2A
PRTF Services	Program	October 1, 2018	SSI, Foster Care, MA Children, Quasi-CHIP, and MYPAC	Exhibits 1B, 1C, 1D, and 2A
DRG Overpayments	Reimbursement	October 1, 2018	All	N/A
Usual and Customary Pharmacy Overpayments	Reimbursement	November 1, 2018	All	N/A
340B Pharmacy Overpayments	Reimbursement	January 1, 2019	All	Exhibit 1A
Physician Limit Expansion	Program	January 1, 2019	Excludes Children	Exhibit 2A
Dental and Orthodontic Reimbursement	Reimbursement	March 1, 2019	All	N/A
Zolgensma Carveout to FFS	Reimbursement	May 24, 2019	All	Exhibit 1A
ER Leveling Policy Adjustment	Reimbursement	July 1, 2019	All	Exhibit 1A
OP Dental Billing	Reimbursement	July 1, 2019	All	Exhibit 2A
Rx Limit Expansion	Program	July 1, 2019	Excludes Children	Exhibit 2A
Home Health Limit Expansion	Program	July 1, 2019	Excludes Children	Exhibit 2A
Quality Withhold	Program	July 1, 2019	All	Exhibit 4
IMD Services	Program	July 1, 2019	All	N/A
Rural Hospital Policy Adjuster	Program	July 1, 2019	All	N/A
Non-Emergency Transportation Contracting Change	Reimbursement	August 1, 2019 and September 1, 2020	All	Exhibit 2A
Transition GME Payments to FFS	Reimbursement	October 1, 2019	All	Exhibit 2A
Increase Reimbursement for Emergency Transportation	Reimbursement	July 1, 2020	All	Exhibit 2A
COVID-19 Vaccine Administration Expense	Program	March 15, 2021	All	Exhibit 2A
SSI Children - COE Change	Program	July 1, 2021	SSI	Exhibit 1A
Removal of 5% Assessment	Reimbursement	July 1, 2021	All	Exhibit 2A
Preventative and Diagnostic Dental Reimbursement Change	Reimbursement	July 1, 2021 and July 1, 2022	All	Exhibit 2A
Restorative Dental Reimbursement Change	Reimbursement	July 1, 2022	All	Exhibit 2A
Non-APC Outpatient Hospital Adjustment	Reimbursement	July 1, 2022	All	Exhibit 2A
Prescribed Pediatric Extended Care (PPEC) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2A
Private Duty Nursing Services (PDN) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2A
Ambulatory Surgical Center (ASC) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2A
Home Health Agency (HHA) Fee Schedule Update	Reimbursement	October 1, 2022	All	Exhibit 2A
Autism Spectrum Disorder (ASD) Fee Schedule Update	Reimbursement	January 1, 2023	All	Exhibit 2A
Non-APC Outpatient Hospital Adjustment	Reimbursement	July 1, 2023	All	Exhibit 2A

Exhibit 14A
Mississippi Division of Medicaid
Projected SFY 2022 and SFY 2023 Exposures

Cap Cell	SFY 2022 Exposures	SFY 2023 Exposures
Non-Newborn SSI / Disabled	759,634	719,345
Breast and Cervical Cancer	1,762	992
MA Adult	616,693	469,546
Pregnant Women	126,929	91,902
SSI / Disabled Newborn	4,920	4,066
Non-SSI Newborns 0 to 2 Months	75,599	74,603
Non-SSI Newborns 3 to 12 Months	243,840	215,942
Foster Care	81,472	86,381
MYPAC	9,765	5,177
MA Children	3,658,185	2,631,991
Quasi-CHIP	385,859	287,026
Total - All Cap Cells	5,964,659	4,586,971

Exhibit 14B
Mississippi Division of Medicaid
Components of SFY 2022 Capitation Rates

Cap Cell	Medical Costs PMPM	Non-Service Expenses PMPM¹	Quality Withhold	Total Capitation Rate Prior to Withhold	Total Capitation Rate after Withhold
Non-Newborn SSI / Disabled	\$1,068.13	\$132.57	(\$12.01)	\$1,200.70	\$1,188.69
Breast and Cervical Cancer	\$3,424.36	\$399.83	(\$38.24)	\$3,824.19	\$3,785.95
MA Adult	\$437.09	\$60.99	(\$4.98)	\$498.08	\$493.10
Pregnant Women	\$1,059.37	\$131.58	(\$11.91)	\$1,190.95	\$1,179.04
SSI / Disabled Newborn	\$7,861.86	\$903.16	(\$87.65)	\$8,765.03	\$8,677.38
Non-SSI Newborns 0 to 2 Months	\$1,875.04	\$224.10	(\$20.99)	\$2,099.14	\$2,078.15
Non-SSI Newborns 3 to 12 Months	\$248.70	\$39.62	(\$2.88)	\$288.32	\$285.44
Foster Care	\$609.85	\$80.59	(\$6.90)	\$690.44	\$683.53
MYPAC	\$3,805.00	\$443.00	(\$42.48)	\$4,248.00	\$4,205.52
MA Children	\$189.73	\$32.93	(\$2.23)	\$222.66	\$220.43
Quasi-CHIP	\$191.61	\$33.15	(\$2.25)	\$224.76	\$222.51
Total - All Cap Cells¹					
Using SFY 2022 Exposures	\$388.51	\$55.48	(\$4.44)	\$443.99	\$439.55
Using SFY 2023 Exposures	\$420.02	\$59.06	(\$4.79)	\$479.08	\$474.29
Total Expenditures					
Using SFY 2022 Exposures	\$2,317,339,863	\$330,928,546	(\$26,482,684)	\$2,648,268,409	\$2,621,785,725
Using SFY 2023 Exposures	\$1,926,626,884	\$270,886,490	(\$21,975,134)	\$2,197,513,374	\$2,175,538,240

¹ "Non-Benefit Expenses PMPM" include margin, administrative costs, and premium tax prior to MHAP.

Exhibit 14C
Mississippi Division of Medicaid
Components of SFY 2023 Capitation Rates

Cap Cell	Medical Costs PMPM	Non-Service Expenses PMPM¹	Quality Withhold	Total Capitation Rate Prior to Withhold	Total Capitation Rate after Withhold
Non-Newborn SSI / Disabled	\$1,079.30	\$129.04	(\$12.08)	\$1,208.34	\$1,196.25
Breast and Cervical Cancer	\$3,488.34	\$390.92	(\$38.79)	\$3,879.26	\$3,840.47
MA Adult	\$490.24	\$65.00	(\$5.55)	\$555.24	\$549.69
Pregnant Women	\$1,031.58	\$123.85	(\$11.55)	\$1,155.43	\$1,143.87
SSI / Disabled Newborn	\$8,000.01	\$881.38	(\$88.81)	\$8,881.39	\$8,792.57
Non-SSI Newborns 0 to 2 Months	\$1,834.16	\$211.10	(\$20.45)	\$2,045.26	\$2,024.81
Non-SSI Newborns 3 to 12 Months	\$248.67	\$38.74	(\$2.87)	\$287.41	\$284.54
Foster Care	\$639.31	\$81.20	(\$7.21)	\$720.51	\$713.31
MYPAC	\$3,735.60	\$417.80	(\$41.53)	\$4,153.40	\$4,111.86
MA Children	\$200.39	\$33.49	(\$2.34)	\$233.88	\$231.54
Quasi-CHIP	\$202.70	\$33.74	(\$2.36)	\$236.44	\$234.08
Total - All Cap Cells¹					
Using SFY 2022 Exposures	\$402.00	\$55.41	(\$4.57)	\$457.41	\$452.83
Using SFY 2023 Exposures	\$433.42	\$58.82	(\$4.92)	\$492.24	\$487.32
Total Expenditures					
Using SFY 2022 Exposures	\$2,397,793,873	\$330,484,461	(\$27,282,783)	\$2,728,278,334	\$2,700,995,551
Using SFY 2023 Exposures	\$1,988,078,377	\$269,817,313	(\$22,578,957)	\$2,257,895,690	\$2,235,316,733

¹ "Non-Benefit Expenses PMPM" include margin, administrative costs, and premium tax prior to MHAP.

Exhibit 15 Mississippi Division of Medicaid SFY 2023 Capitation Rate Development CY 2019 to SFY 2023 Unit Cost Trends by Category of Service																
Rate Cell	Category of Service	Percentage of CY 2019 Paid							CY 2019 to SFY 2023 Unit Cost Trend (Annualized)							
		PPEC	PDN	ASC	ASD	HH	PRTF	All Other	PPEC	PDN	ASC	ASD	HH	PRTF	All Other	Composite
Non-Newborn SSI / Disabled	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	99.0%	0.00%	0.00%	0.00%	0.00%	0.00%	5.77%	-0.14%	-0.08%
Non-Newborn SSI / Disabled	Outpatient Hospital Services	0.0%	0.0%	0.5%	0.0%	1.0%	0.0%	98.5%	0.00%	0.00%	1.95%	0.00%	7.10%	0.00%	-0.18%	-0.08%
Non-Newborn SSI / Disabled	Physician Services	4.2%	0.0%	1.0%	0.3%	0.0%	0.0%	94.5%	2.89%	0.00%	1.95%	5.64%	0.00%	0.00%	1.18%	1.27%
Non-Newborn SSI / Disabled	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.50%	2.50%
Non-Newborn SSI / Disabled	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Non-Newborn SSI / Disabled	Other Services	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	92.6%	0.00%	3.16%	0.00%	0.00%	6.47%	0.00%	0.57%	0.77%
Breast and Cervical Cancer	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
Breast and Cervical Cancer	Outpatient Hospital Services	0.0%	0.0%	0.4%	0.0%	0.3%	0.0%	99.3%	0.00%	0.00%	1.95%	0.00%	3.88%	0.00%	-0.18%	-0.15%
Breast and Cervical Cancer	Physician Services	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	98.6%	0.00%	0.00%	1.95%	0.00%	0.00%	0.00%	1.18%	1.19%
Breast and Cervical Cancer	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.50%	2.50%
Breast and Cervical Cancer	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Breast and Cervical Cancer	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
MA Adult	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
MA Adult	Outpatient Hospital Services	0.0%	0.0%	0.8%	0.0%	0.2%	0.0%	99.0%	0.00%	0.00%	1.95%	0.00%	7.36%	0.00%	-0.18%	-0.14%
MA Adult	Physician Services	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	98.2%	0.00%	0.00%	1.95%	0.00%	0.00%	0.00%	2.01%	2.01%
MA Adult	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00%	3.00%
MA Adult	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MA Adult	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
Deliveries - MA Adult	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
Deliveries - MA Adult	Outpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.18%	-0.14%
Deliveries - MA Adult	Physician Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.01%	2.01%
Deliveries - MA Adult	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00%	3.00%
Deliveries - MA Adult	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Deliveries - MA Adult	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
Pregnant Women	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
Pregnant Women	Outpatient Hospital Services	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%	99.7%	0.00%	0.00%	1.95%	0.00%	8.13%	0.00%	-0.18%	-0.16%
Pregnant Women	Physician Services	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	99.6%	0.00%	0.00%	1.95%	0.00%	0.00%	0.00%	2.01%	2.01%
Pregnant Women	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00%	3.00%
Pregnant Women	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pregnant Women	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
Deliveries - Pregnant Women	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
Deliveries - Pregnant Women	Outpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.18%	-0.16%
Deliveries - Pregnant Women	Physician Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.01%	2.01%
Deliveries - Pregnant Women	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00%	3.00%
Deliveries - Pregnant Women	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Deliveries - Pregnant Women	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
SSI / Disabled Newborn	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
SSI / Disabled Newborn	Outpatient Hospital Services	0.0%	0.0%	0.1%	0.0%	1.4%	0.0%	98.5%	0.00%	0.00%	1.95%	0.00%	9.82%	0.00%	-0.18%	-0.01%
SSI / Disabled Newborn	Physician Services	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	94.6%	2.89%	0.00%	1.95%	0.00%	0.00%	0.00%	1.69%	1.75%
SSI / Disabled Newborn	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.50%	1.50%
SSI / Disabled Newborn	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SSI / Disabled Newborn	Other Services	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	81.6%	0.00%	3.16%	0.00%	0.00%	0.00%	0.00%	0.57%	1.06%
Non-SSI Newborns 0 to 2 Months	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
Non-SSI Newborns 0 to 2 Months	Outpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	99.7%	0.00%	0.00%	0.00%	0.00%	9.26%	0.00%	-0.18%	-0.14%
Non-SSI Newborns 0 to 2 Months	Physician Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	2.89%	0.00%	0.00%	0.00%	0.00%	0.00%	1.69%	1.69%
Non-SSI Newborns 0 to 2 Months	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.50%	1.50%
Non-SSI Newborns 0 to 2 Months	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Non-SSI Newborns 0 to 2 Months	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	3.16%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
Non-SSI Newborns 3 to 12 Months	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.14%	-0.14%
Non-SSI Newborns 3 to 12 Months	Outpatient Hospital Services	0.0%	0.0%	0.4%	0.0%	0.1%	0.0%	99.5%	0.00%	0.00%	1.95%	0.00%	10.43%	0.00%	-0.18%	-0.15%
Non-SSI Newborns 3 to 12 Months	Physician Services	1.1%	0.0%	1.0%	0.0%	0.0%	0.0%	98.0%	2.89%	0.00%	1.95%	0.00%	0.00%	0.00%	1.69%	1.70%
Non-SSI Newborns 3 to 12 Months	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.50%	1.50%
Non-SSI Newborns 3 to 12 Months	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Non-SSI Newborns 3 to 12 Months	Other Services	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	99.9%	0.00%	3.16%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
Foster Care	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	73.7%	26.3%	0.00%	0.00%	0.00%	0.00%	0.00%	5.65%	-0.14%	4.20%
Foster Care	Outpatient Hospital Services	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	99.7%	0.00%	0.00%	1.95%	0.00%	-2.89%	0.00%	-0.18%	-0.17%
Foster Care	Physician Services	3.6%	0.0%	1.6%	0.3%	0.0%	0.0%	94.5%	2.89%	0.00%	1.95%	5.64%	0.00%	0.00%	1.69%	1.75%
Foster Care	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.50%	1.50%
Foster Care	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Foster Care	Other Services	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	90.0%	0.00%	3.16%	0.00%	0.00%	0.00%	0.00%	0.57%	0.84%
MYPAC	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	17.0%	83.0%	0.00%	0.00%	0.00%	0.00%	0.00%	5.99%	-0.14%	0.97%
MYPAC	Outpatient Hospital Services	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	99.9%	0.00%	0.00%	1.95%	0.00%	0.00%	0.00%	-0.18%	-0.17%
MYPAC	Physician Services	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	99.7%	2.89%	0.00%	1.95%	0.00%	0.00%	0.00%	0.06%	0.07%
MYPAC	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.50%	1.50%
MYPAC	Dental Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MYPAC	Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%
MA Children	Inpatient Hospital Services	0.0%	0.0%	0.0%	0.0%	0.0%	18.1%	81.9%	0.00%	0.00%	0.00%	0.00%	0.00%	6.07%	-0.14%	1.05%
MA Children	Outpatient Hospital Services	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	99.3%	0.00%	0.00%	1.95%	0.00%	7.85%	0.00%	-0.18%	-0.16%
MA Children	Physician Services	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	97.9%	2.89%	0.00%	1.95%	5.64%	0.00%	0.00%	1.69%	1.70%
MA Children	Drug Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.50%	1.50%
MA Children	Dental Services	0.0%	0.0%													

Exhibit 16 Mississippi Division of Medicaid SFY 2023 Capitation Rate Development Postpartum Extension Adjustment						
Non-Delivery Costs			Delivery Costs			
	CY 2018	CY 2019	Blended	CY 2018	CY 2019	Blended
Prior Eligibility: Prenatal through 60 Days Postpartum						
Member Months (a)	135,337	137,224	N/A	135,337	137,224	N/A
Total Allowed (b)	\$57,365,234	\$57,137,775	N/A	\$83,563,032	\$81,213,677	N/A
Allowed PMPM (c) = (b) / (a)	\$423.87	\$416.38	\$420.10	\$617.44	\$591.83	\$604.55
New Eligibility: 3 through 12 Months Postpartum						
Member Months (d)	3,598	3,379	N/A	3,598	3,379	N/A
Total Allowed (e)	\$913,511	\$818,791	N/A	\$0	\$0	N/A
Allowed PMPM (f) = (e) / (d)	\$253.88	\$242.35	\$248.30	\$0.00	\$0.00	\$0.00
Total Population						
Member Months (g) = (a) + (d)	138,935	140,603	N/A	138,935	140,603	N/A
Total Allowed (h) = (b) + (e)	\$58,278,746	\$57,956,566	N/A	\$83,563,032	\$81,213,677	N/A
Allowed PMPM (i) = (h) + (g)	\$419.47	\$412.20	\$415.81	\$601.45	\$577.61	\$589.46
Postpartum Population Change Factor (j) = (i) / (c)			0.990			0.975

Exhibit 17
Mississippi Division of Medicaid
SFY 2023 Capitation Rate Development
CY 2019 to SFY 2023 Population Acuity Adjustment

MA Adults

	Risk Adjustment Period Diagnosis Period	Q3 to Q4 2018 CY 2017	Q1 to Q2 2019 SFY 2018	Q3 to Q4 2019 CY 2018
	Prior Enrollment Month New Enrollment Month	October 2017 April 2018	April 2018 October 2018	October 2018 April 2019
<i>a</i>	Enrollment			
<i>b</i>	Prior Enrollment Month	46,782	43,812	40,388
	New Enrollment Month	43,812	40,388	41,410
<i>c = b / a</i>	Membership Change Factor	0.937	0.922	1.025
	Risk Score			
<i>d</i>	Prior Enrollment Month	1.040	1.035	1.087
<i>e</i>	New Enrollment Month	1.053	1.080	1.077
<i>f = e / d</i>	Risk Score Change Factor	1.012	1.043	0.992
	Risk Score Model - Fit Using steps c and f ¹ Risk Score Factor = $g * ((\text{Enrollment Change})^h)$			
<i>g</i>	Model Variable 1	0.989		
<i>h</i>	Model Variable 2	(0.478)		
<i>i</i>	Average Enrollment			
	Base Period - CY 2019	41,126		
<i>j</i>	Rating Period - SFY 2023	39,244		
<i>k = j / i</i>	Enrollment Change - CY 2019 to SFY 2023	0.954		
	Risk Score Factor			
<i>l = g × (1.00 ^ h)</i>	No Enrollment Change	0.989		
<i>m = g × (l ^ h)</i>	CY 2019 to SFY 2023 Enrollment Change	1.012		
<i>q = m / l</i>	Implied Acuity Adjustment - CY 2019 to SFY 2023	1.023		

MA Children and QCHIP

	Risk Adjustment Period Diagnosis Period	Q3 to Q4 2018 CY 2017	Q1 to Q2 2019 SFY 2018	Q3 to Q4 2019 CY 2018
	Prior Enrollment Month New Enrollment Month	October 2017 April 2018	April 2018 October 2018	October 2018 April 2019
<i>a</i>	Enrollment			
<i>b</i>	Prior Enrollment Month	321,471	298,749	278,944
	New Enrollment Month	298,749	278,944	284,453
<i>c = b / a</i>	Membership Change Factor	0.929	0.934	1.020
	Risk Score			
<i>d</i>	Prior Enrollment Month	1.028	1.023	1.046
<i>e</i>	New Enrollment Month	1.035	1.049	1.046
<i>f = e / d</i>	Risk Score Change Factor	1.007	1.026	1.000
	Risk Score Model - Fit Using steps c and f ¹ Risk Score Factor = $g * ((\text{Enrollment Change})^h)$			
<i>g</i>	Model Variable 1	1.001		
<i>h</i>	Model Variable 2	(0.200)		
<i>i</i>	Average Enrollment			
	Base Period - CY 2019	283,630		
<i>j</i>	Rating Period - SFY 2023	243,825		
<i>k = j / i</i>	Enrollment Change - CY 2019 to SFY 2023	0.860		
	Risk Score Factor			
<i>l = g × (1.00 ^ h)</i>	No Enrollment Change	1.001		
<i>m = g × (l ^ h)</i>	CY 2019 to SFY 2023 Enrollment Change	1.032		
<i>q = m / l</i>	Implied Acuity Adjustment - CY 2019 to SFY 2023	1.031		

¹ Risk score change predicted using a power regression model for each population.



Q1 to Q2 2020
SFY 2019

April 2019
October 2019

41,410
40,934
0.989

1.091
1.065
0.976



Q1 to Q2 2020
SFY 2019

April 2019
October 2019

284,453
281,405
0.989

1.058
1.057
0.999

Exhibit 18
Mississippi Division of Medicaid
SFY 2023 MississippiCAN Capitation Rate Development
SFY 2023 MississippiCAN Expenditure Estimate

	a	b	c	d	e	f	g	h	i	j	k = sum of b through j	l = a x k	m	n = l x m
Rate Cell	Projected SFY 2023 Member Months	SFY 2023 Statewide Capitation Rates¹	MHAP-FSA PMPM	Premium Tax on MHAP-FSA PMPM²	MHAP-QIPP PMPM	Premium Tax on MHAP-QIPP PMPM³	TREAT PMPM	Premium Tax on TREAT PMPM⁴	MAPS PMPM	Premium Tax on MAPS PMPM⁵	Total Rate at 1.0 Risk Score after Withhold	MississippiCAN Estimated Cost	FMAP / EFMAP⁶	Federal Estimated Cost
Non-Newborn SSI / Disabled	710,345	\$1,208.34	\$188.96	\$4.92	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$1,448.82	\$1,042,135,468	81.07%	\$844,885,277
North Region	247,720	1,103.21	138.75	4.29	62.81	1.94	3.21	0.10	8.29	0.26	1,322.86	327,697,853	81.07%	265,672,842
Central Region	263,013	1,268.75	170.81	5.28	62.81	1.94	3.21	0.10	8.29	0.26	1,521.46	400,164,214	81.07%	324,423,133
South Region	208,612	1,256.67	168.02	5.20	62.81	1.94	3.21	0.10	8.29	0.26	1,506.50	314,273,401	81.07%	254,789,303
Breast and Cervical Cancer	992	\$3,879.26	\$648.99	\$20.07	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$4,624.93	\$4,657,594	81.07%	\$3,776,028
North Region	195	3,541.76	576.36	17.83	62.81	1.94	3.21	0.10	8.29	0.26	4,212.56	820,282	81.07%	665,023
Central Region	301	4,073.22	364.12	11.26	62.81	1.94	3.21	0.10	8.29	0.26	4,525.21	1,361,452	81.07%	1,103,763
South Region	496	4,034.43	850.12	26.29	62.81	1.94	3.21	0.10	8.29	0.26	4,987.45	2,475,860	81.07%	2,007,242
MA Adult	469,546	\$555.24	\$71.27	\$2.20	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$705.33	\$330,994,660	81.07%	\$268,345,646
North Region	150,542	524.15	66.81	2.07	62.81	1.94	3.21	0.10	8.29	0.26	669.63	100,807,071	81.07%	81,726,812
Central Region	157,913	577.45	75.00	2.32	62.81	1.94	3.21	0.10	8.29	0.26	731.38	115,494,356	81.07%	93,634,162
South Region	161,091	561.35	71.80	2.22	62.81	1.94	3.21	0.10	8.29	0.26	711.98	114,693,233	81.07%	92,984,672
Pregnant Women	91,902	\$1,155.43	\$253.05	\$7.83	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$1,492.92	\$137,309,589	81.07%	\$111,320,316
North Region	28,371	1,090.72	247.82	7.66	62.81	1.94	3.21	0.10	8.29	0.26	1,422.82	40,366,379	81.07%	32,728,033
Central Region	33,901	1,201.64	264.69	8.19	62.81	1.94	3.21	0.10	8.29	0.26	1,551.13	52,584,283	81.07%	42,631,392
South Region	29,631	1,168.14	244.75	7.57	62.81	1.94	3.21	0.10	8.29	0.26	1,497.07	44,358,927	81.07%	35,962,891
SSI / Disabled Newborn	4,066	\$8,881.39	\$2,329.48	\$72.05	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$11,359.52	\$46,247,430	81.07%	\$37,493,947
North Region	1,256	8,721.52	2,126.23	65.76	62.81	1.94	3.21	0.10	8.29	0.26	10,990.12	13,807,496	81.07%	11,194,082
Central Region	1,764	9,050.13	2,629.57	81.33	62.81	1.94	3.21	0.10	8.29	0.26	11,837.64	20,877,373	81.07%	16,925,808
South Region	1,046	8,845.86	2,067.64	63.95	62.81	1.94	3.21	0.10	8.29	0.26	11,054.06	11,562,560	81.07%	9,374,057
Non-SSI Newborns 0 to 2 Months	74,603	\$2,045.26	\$618.17	\$19.12	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$2,759.16	\$205,849,887	81.07%	\$166,887,650
North Region	23,436	2,008.45	645.82	19.97	62.81	1.94	3.21	0.10	8.29	0.26	2,750.85	64,469,614	81.07%	52,267,128
Central Region	27,413	2,084.12	626.55	19.38	62.81	1.94	3.21	0.10	8.29	0.26	2,806.66	76,940,186	81.07%	62,377,332
South Region	23,753	2,037.08	581.23	17.98	62.81	1.94	3.21	0.10	8.29	0.26	2,712.89	64,440,087	81.07%	52,243,190
Non-SSI Newborns 3 to 12 Months	215,942	\$287.41	\$37.27	\$1.15	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$402.44	\$86,913,037	81.07%	\$70,462,572
North Region	67,161	282.24	43.10	1.33	62.81	1.94	3.21	0.10	8.29	0.26	403.28	27,084,543	81.07%	21,958,116
Central Region	79,800	292.87	37.12	1.15	62.81	1.94	3.21	0.10	8.29	0.26	407.75	32,538,778	81.07%	26,380,001
South Region	68,981	286.26	31.76	0.98	62.81	1.94	3.21	0.10	8.29	0.26	395.61	27,289,716	81.07%	22,124,455
Foster Care	86,381	\$720.51	\$161.98	\$5.01	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$964.11	\$83,207,687	81.07%	\$67,458,552
North Region	23,841	707.54	160.16	4.95	62.81	1.94	3.21	0.10	8.29	0.26	949.27	22,631,258	81.07%	18,347,727
Central Region	25,095	734.20	207.52	6.42	62.81	1.94	3.21	0.10	8.29	0.26	1,024.75	25,716,425	81.07%	20,848,948
South Region	37,445	717.63	132.62	4.10	62.81	1.94	3.21	0.10	8.29	0.26	930.96	34,860,005	81.07%	28,261,877
MYPAC	5,177	\$4,153.40	\$208.14	\$6.44	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$4,444.58	\$22,991,152	81.07%	\$18,639,502
North Region	1,619	4,078.64	176.95	5.47	62.81	1.94	3.21	0.10	8.29	0.26	4,337.67	7,022,742	81.07%	5,693,513
Central Region	1,712	4,232.31	267.53	8.27	62.81	1.94	3.21	0.10	8.29	0.26	4,584.72	7,850,020	81.07%	6,364,207
South Region	1,845	4,136.79	180.39	5.58	62.81	1.94	3.21	0.10	8.29	0.26	4,399.36	8,118,390	81.07%	6,581,782
MA Children	2,631,991	\$233.88	\$21.87	\$0.68	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$333.03	\$876,490,732	81.07%	\$710,592,949
North Region	839,490	229.67	20.73	0.64	62.81	1.94	3.21	0.10	8.29	0.26	327.65	275,061,806	81.07%	222,999,482
Central Region	959,763	238.33	23.85	0.74	62.81	1.94	3.21	0.10	8.29	0.26	339.53	325,864,449	81.07%	264,186,456
South Region	832,738	232.95	20.72	0.64	62.81	1.94	3.21	0.10	8.29	0.26	330.91	275,564,478	81.07%	223,407,011
Quasi-CHIP	287,026	\$236.44	\$17.71	\$0.55	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$331.30	\$95,099,940	84.75%	\$80,597,199
North Region	92,667	232.19	16.30	0.50	62.81	1.94	3.21	0.10	8.29	0.26	325.60	30,172,449	84.75%	25,571,150
Central Region	107,652	240.93	19.09	0.59	62.81	1.94	3.21	0.10	8.29	0.26	337.22	36,302,749	84.75%	30,766,580
South Region	86,707	235.50	17.49	0.54	62.81	1.94	3.21	0.10	8.29	0.26	330.13	28,624,743	84.75%	24,259,469
Total - All Rate Cells	4,586,971	\$492.24	\$68.25	\$2.11	\$62.81	\$1.94	\$3.21	\$0.10	\$8.29	\$0.26	\$639.21	\$2,931,897,177	81.19%	\$2,380,459,639
North Region	1,476,297	473.22	64.55	2.00	62.81	1.94	3.21	0.10	8.29	0.26	616.37	909,941,492	81.19%	738,821,908
Central Region	1,658,328	508.74	73.11	2.26	62.81	1.94	3.21	0.10	8.29	0.26	660.72	1,095,694,284	81.19%	889,641,782
South Region	1,452,346	492.65	66.46	2.06	62.81	1.94	3.21	0.10	8.29	0.26	637.77	926,261,400	81.19%	751,995,948

¹ Capitation rates prior to quality withhold, excluding MHAP, MAPS, and TREAT.

² Calculated using a premium tax of 3.00%

³ For SFY 2023, FMAP is calculated as the blend of three months using an FMAP of 84.51%, three months using an FMAP of 84.06%, and six months using an FMAP of 77.86%. For SFY 2023, EFMAP is calculated as the blend of six months using an EFMAP of 85.00% and six months using an EFMAP of 84.50%. Assuming a PHE end as of December 31, 2022, the first six months of both FMAP and EFMAP projections reflect an additional 6.2% FMAP and EFMAP, up to a maximum of 85%.

Exhibit 19 Mississippi Division of Medicaid SFY 2023 MississippiCAN Capitation Rate Development Illustrative MLR Development																			
	a	b	c	d = b × c	e	f = d × (e × 1%) / (1 - 1%)	g	h	i	j	k = d + f + g + h + i + j	l	m = g + h + i + j + l	n	o = g + h + i + j + n	p = m / k	q = o / k		
Rate Cell	Projected SFY 2023 Membership¹	SFY 2023 Regional Capitation Rates net of Withhold²	Illustrative Risk Score³	Risk Adjusted Premium Net of Withhold	% of Withhold Returned¹	Withhold Returned	MHAP-FSA PMPM Gross of Premium Tax¹	MHAP-QIPP Gross of Premium Tax¹	MAPS Gross of Premium Tax¹	TREAT Gross of Premium Tax¹	Total Revenue PMPM	Projected SFY 2023 Medical Costs PMPM¹	Projected Total Service Costs PMPM	Illustrative Actual SFY 2023 Medical Costs PMPM¹	Illustrative Actual Total Service Costs PMPM	Illustrative Target MLR	Illustrative Actual MLR		
Non-Newborn SSI / Disabled	719,345	\$1,196.25	1.000	\$1,196.25	100%	\$12.08	\$163.88	\$64.75	\$8.54	\$3.31	\$1,448.82	\$1,079.30	\$1,319.79	\$1,130.00	\$1,370.49	91.1%	94.6%		
Breast and Cervical Cancer	992	\$3,840.47	1.000	\$3,840.47	100%	\$38.79	\$669.06	\$64.75	\$8.54	\$3.31	\$4,624.93	\$3,488.34	\$4,234.01	\$3,660.00	\$4,405.67	91.5%	95.3%		
MA Adult	469,546	\$549.69	1.000	\$549.69	100%	\$5.55	\$73.48	\$64.75	\$8.54	\$3.31	\$705.33	\$490.24	\$640.33	\$510.00	\$660.09	90.8%	93.6%		
Pregnant Women	91,902	\$1,143.87	1.000	\$1,143.87	100%	\$11.55	\$260.88	\$64.75	\$8.54	\$3.31	\$1,492.92	\$1,031.58	\$1,369.07	\$1,080.00	\$1,417.49	91.7%	94.9%		
SSI / Disabled Newborn	4,066	\$8,792.57	1.000	\$8,792.57	100%	\$88.81	\$2,401.53	\$64.75	\$8.54	\$3.31	\$11,359.52	\$8,000.01	\$10,478.15	\$8,400.00	\$10,878.14	92.2%	95.8%		
Non-SSI Newborns 0 to 2 Months	74,603	\$2,024.81	1.000	\$2,024.81	100%	\$20.45	\$637.29	\$64.75	\$8.54	\$3.31	\$2,759.16	\$1,834.16	\$2,548.07	\$1,930.00	\$2,643.90	92.3%	95.8%		
Non-SSI Newborns 3 to 12 Months	215,942	\$284.54	1.000	\$284.54	100%	\$2.87	\$38.42	\$64.75	\$8.54	\$3.31	\$402.44	\$248.67	\$363.70	\$260.00	\$375.03	90.4%	93.2%		
Foster Care	86,381	\$713.31	1.000	\$713.31	100%	\$7.21	\$166.99	\$64.75	\$8.54	\$3.31	\$964.11	\$639.31	\$882.91	\$670.00	\$913.60	91.6%	94.8%		
MYPAC	5,177	\$4,111.86	1.000	\$4,111.86	100%	\$41.53	\$214.57	\$64.75	\$8.54	\$3.31	\$4,444.58	\$3,735.60	\$4,026.78	\$3,920.00	\$4,211.18	90.6%	94.7%		
MA Children	2,631,991	\$231.54	1.000	\$231.54	100%	\$2.34	\$22.54	\$64.75	\$8.54	\$3.31	\$333.03	\$200.39	\$299.54	\$210.00	\$309.15	89.9%	92.8%		
Quasi-CHIP	287,026	\$234.08	1.000	\$234.08	100%	\$2.36	\$18.25	\$64.75	\$8.54	\$3.31	\$331.30	\$202.70	\$297.56	\$210.00	\$304.86	89.8%	92.0%		
Total	4,586,971	\$487.32	1.000	\$487.32	100%	\$4.92	\$70.36	\$64.75	\$8.54	\$3.31	\$639.21	\$433.42	\$580.39	\$453.60	\$600.57	90.8%	94.0%		
Illustrative Actual MLR																			
Illustrative Target MLR																			
MLR Difference																			
MLR Difference Exceeding Corridor																			
Total Revenue																			
Risk Corridor Settlement Received (Paid) by DOM																			

¹ MLR calculation will be populated with actual SFY 2023 CCO-specific values.

² Illustrative values demonstrate projected regional enrollment mix. Actual values will use CCO-specific regional enrollment mix.

³ Includes all services incurred during SFY 2023 with payments made to providers as defined in Exhibit C of the CCO Contract, including fee-for-service payments, subcapitation payments, and settlement payments. Actual MLR, but not target MLR, will be populated with actual SFY 2023 CCO-specific values. Additionally, both actual and target costs will use CCO-specific regional enrollment mix. Actual MLR will include adjustments for items found in MLR audits and adjustments to remove services not covered by the Mississippi state plan.

Exhibit 20A			
Mississippi Division of Medicaid			
Procedure Codes for Non-Psychiatric Physician Visits			
W9009	90066	90544	92004
W9348	90067	90545	92012
W9349	90068	90546	92014
90000	90069	90547	99062
90001	90070	90548	99063
90002	90071	90549	99064
90003	90072	90550	99065
90004	90073	90551	99241
90005	90074	90552	99242
90006	90075	90553	99243
90007	90076	90554	99244
90008	90077	90555	99245
90009	90078	90556	99271
90010	90079	90557	99272
90011	90080	90558	99273
90012	90500	90559	99274
90013	90501	90560	99275
90014	90502	90561	99341
90015	90503	90562	99342
90016	90504	90563	99343
90017	90505	90564	99344
90018	90506	90565	99345
90019	90507	90566	99347
90020	90508	90567	99348
90040	90509	90568	99349
90041	90510	90569	99350
90042	90511	90570	
90043	90512	90571	
90044	90513	90572	
90045	90514	90573	
90046	90515	90574	
90047	90516	90575	
90048	90517	90576	
90049	90518	90577	
90050	90519	90578	
90051	90520	90579	
90052	90530	90580	
90053	90531	90600	
90054	90532	90605	
90055	90533	90610	
90056	90534	90620	
90057	90535	90630	
90058	90536	90640	
90059	90537	90641	
90060	90538	90642	
90061	90539	90643	
90062	90540	90650	
90063	90541	90651	
90064	90542	90652	
90065	90543	92002	

Exhibit 20B
Mississippi Division of Medicaid
Procedure Codes for Psychiatric Physician Visits

90791
90792
90832
90834
90837
90846
90847
90849
90853
90870
99201
99202
99203
99204
99205
99212
99213
99214
99215

Exhibit 20C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																													
00002763511	00052060302	00135052001	00223004963	00378699789	00891057101	01741002986	05388000856	08011123520	08011750107	08011968624	08080159611	08080226100	08080311149	08080361800	08080441215	08080531046	08080611100	08080660218	08080708401										
00002763611	00052433001	00135052904	00223004975	00409005101	00891059101	01741004075	05388000857	08011123530	08011750307	08011971015	08080160405	08080226200	08080311248	08080361900	08080441216	08080532900	08080611200	08080660320	08080708500										
00002763711	00064022002	00135055701	00223004986	00440731560	00891059111	01741006079	05388000858	08011123620	08011750307	08026465400	08080161200	08080226300	08080311347	08080362300	08080441217	08080533000	08080611300	08080660330	08080708600										
00002956001	00065018002	00135059901	00223004987	00440731790	00891059201	01741006857	05388000859	08011150101	08011750379	08026763800	08080161400	08080229100	08080311446	08080363100	08080441218	08080536000	08080611400	08080660340	08080708700										
00002956101	00065018007	00135059901	00223004988	00440731791	00891059211	01741009789	05388000860	08011150102	08011750715	08080000555	08080161600	08080229200	08080311545	08080368500	08080441219	08080540111	08080611500	08080660350	08080708800										
00002956201	00065028650	00135060201	00223004989	00456074413	00891059301	01741009808	05388000436	08011150103	08011771114	08080000777	08080161900	08080229200	08080311743	08080383400	08080441250	08080540400	08080611600	08080660400	08080710000										
00002967301	00065920703	00135056031	00223044124	00456074513	00891059311	01741053610	053880004426	08011150108	08011771215	08080032010	08080162100	08080229300	08080314100	08080392200	08080441251	08080540500	08080612000	080806604100	08080710500										
00003052620	00065920074	00143929501	00223041493	00456074613	00891059401	01741053814	05388018382	08011150111	08011772414	08080055535	08080162200	08080233000	08080314400	08080393000	08080441400	08080541034	08080612200	080806604200	08080710701										
00005010001	00067097804	00143929601	00223042024	00456315467	00891061100	01741061314	05388049375	08011150121	08011772415	08080055544	08080162400	08080233601	08080314400	08080396700	08080441401	08080541067	08080612100	080806604700	08080710826										
00005010005	00069041112	00143929501	00223042027	00487900360	00891061101	02594001806	05388050378	08011150131	08011772416	08080055566	08080162500	08080234600	08080315700	08080396800	08080441402	08080541400	08080613200	080806604800	08080710842										
00005010010	00069041102	00169185189	00223042030	00487900760	00891061200	02594001814	05388050379	08011150200	08011772514	08080072030	08080162600	08080241910	08080317000	08080399500	08080441403	08080555220	08080613200	08080660500	08080710859										
00005197101	00069090120	00169185250	00223042036	00516001312	00891061201	02594001818	05388056446	08011150201	08011775516	08080094700	08080162800	08080241911	08080319500	08080400616	08080441404	08080555221	08080615300	08080666000	08080710867										
00005197102	00069091198	00169185274	00223043850	00536110301	00891061300	02594001822	05388057722	08011150202	08011782100	08080096800	08080163100	08080241912	08080320112	08080401200	08080441405	08080555330	08080615400	08080666200	08080711006										
00005197105	00069092198	00169185275	00223043851	00536111932	00891061301	02594001828	05388087811	08011150203	08011782102	08080098400	08080170000	08080243800	08080320157	08080402718	08080441406	08080555331	08080615500	08080666500	08080711246										
00005200002	00074182078	00169185389	00223043852	00548540000	00891061400	02594001842	05928090901	08011150319	08011800316	08080098800	08080171010	08080245000	08080320256	08080403200	08080441407	08080555350	08080615600	08080669901	08080711253										
00005200010	00074183268	00169185459	00223043853	00548540025	00891061401	02594001847	06278000069	08011150332	08011800318	08080099500	08080173100	08080248000	08080320508	08080403728	08080441408	08080555351	08080617500	08080670000	08080711500										
00006040701	00074240902	00169185550	00223043854	00548541000	00891063101	02594001852	06278000398	08011150419	08011800516	08080100005	08080176250	08080250000	08080321100	08080420200	08080441410	08080555440	08080620112	08080670930	08080711501										
00006040720	00074583002	00169776411	00223044128	00548541025	00891063201	02594001857	062780005267	08011150432	08011800518	08080100555	08080179200	08080250600	08080321112	08080420300	08080441411	08080555441	08080620600	08080709500	08080711519										
00006040741	00074722218	00169776412	00223044137	00548570100	00891063301	02594001860	07411060007	08011150501	08011802001	08080100707	08080180100	08080253300	08080321700	08080420400	08080441412	08080555442	08080620900	08080671500	08080711550										
00006409301	00074722220	00179872402	00223044140	00548571100	00891063401	02813030430	07411089003	08011150502	08011802002	08080100777	08080180600	08080253900	08080322100	08080420600	08080441500	08080555443	08080620800	08080671600	08080711568										
00006409302	00074791501	00179901012	00223044146	00573300502	00891064101	04351044050	08004041300	08011150503	08011802010	08080103800	08080181030	08080254000	08080322110	08080426500	08080441501	08080555480	08080621000	08080672000	08080712080										
00006409401	00074808378	00193146550	00223044190	00573300503	00891064201	04351052510	08004042600	08011150507	08011802011	08080104000	08080181400	08080255600	08080322112	08080427100	08080441502	08080555481	08080621100	08080672500	08080712100										
00006409402	00085121701	00193146621	00223044896	00573300504	00891064301	04351062510	08004044800	08011150520	08011802015	08080104200	08080181700	08080256200	08080322200	08080427800	08080441503	08080555550	08080621112	08080673000	08080712120										
00006409501	00085121702	00193252350	00223044905	00573300905	00891064401	04351063506	08004044730	08011150525	08011802016	08080104400	08080181800	08080256300	08080322210	08080427900	08080441504	08080555660	08080622112	08080673500	08080712150										
00006409502	00085460202	00193280221	00223044911	00573300913	00891071010	04351078710	08004049400	08011150615	08011802018	08080104600	08080182400	08080256400	08080323100	08080428000	08080441505	08080555661	08080622901	08080676434	08080712170										
00006409601	00085460203	00193280250	00223044920	00573301001	00891071011	04351078810	08004052070	08011150619	08011802030	08080105000	08080189200	08080256500	08080325000	08080428100	08080441506	08080555662	08080624100	08080678000	08080712200										
00006409602	00093330101	00193288021	00223045277	00573301002	00891071020	04351079510	08004054800	08011150632	08011802031	08080105800	08080190300	08080258500	08080326058	08080428200	08080441507	08080555680	08080624200	08080678030	08080712230										
00006411901	00093330861	00193288050	00223045278	00573301003	00891071021	04351079710	08004054900	08011150702	08011802035	08080109300	08080191300	08080260000	08080325100	08080428300	08080441602	08080555881	08080624250	08080680002	08080712250										
00006411903	00093330819	00193288221	00223045289	00573301007	00891071030	04351079750	08004054950	08011150703	08011802055	08080110900	08080191411	08080260010	08080325114	08080428400	08080441603	08080555882	08080624300	08080681800	08080712270										
00006412101	00093330868	00193288250	00223045292	00573301016	00891071031	04351079810	08004056300	08011150707	08011802060	08080111100	08080191412	08080260100	08080327114	08080428500	08080441604	08080557000	08080624400	08080682010	08080712300										
00006412102	00093330870	00193288350	00223045295	00573301017	00891081021	04351079850	08004064900	08011150719	08011802065	08080111300	08080196100	08080260200	08080327900	08080428900	08080441605	08080587400	08080685001	08080712301											
00006417100	000933308719	00193596531	00223045698	00573301096	00891081031	04351080710	080111000102	08011150732	08011802100	08080111400	08080200055	08080263000	08080330200	08080429600	08080441606	08080589701	08080625100	08080688000	08080712350										
00006417101	000933308784	00193620101	00223045915	00573301301	00891081041	04351080810	08011000500	08011150819	08011802110	08080111500	08080200077	08080263400	08080330500	08080429700	08080441607	08080589801	08080625500	08080688030	08080712400										

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

08080717600	08080730790	08080783400	08080941110	08137002281	08137002603	08137004414	08137005390	08137006655	08137102126	08137116894	08137607623	08173909101	08214028739	08214057601	08214114027	08222094193	08225002602	08225005486	08225008702
08080718000	08080731000	08080791100	08080941210	08137002283	08137002604	08137004424	08137005501	08137006660	08137102390	08137117120	08164100125	08179002810	08214028755	08214057716	08214115027	08222094391	08225002603	08225005523	08225008703
08080718100	08080731100	08080809000	08080941310	08137002285	08137002607	08137004430	08137005505	08137006665	08137102394	08137117121	08164100525	08179002827	08214029721	08214057717	08214130001	08222094599	08225002605	08225005525	08225008705
08080718120	08080731300	08080800001	08080941410	08137002287	08137002608	08137004431	08137005518	08137006670	08137102488	08137117128	08164100625	08179002834	08214029724	08214057761	08214131001	08222095121	08225002802	08225005553	08225008706
08080718150	08080731901	08080804200	08080941610	08137002301	08137002613	08137004434	08137005520	08137006675	08137102491	08137117210	08164100725	08179002841	08214029727	08214058539	08214131101	08222095435	08225002803	08225005555	08225009010
08080718170	08080732300	08080804300	08080948000	08137002302	08137002618	08137004436	08137005523	08137006680	08137102561	08137117297	08173000201	08179010204	08214029735	08214058716	08214210001	08222095459	08225002805	08225005582	08225011601
08080718200	08080732501	08080804400	08080949000	08137002303	08137002619	08137004438	08137005532	08137006685	08137102760	08137117299	08179010303	08179010303	08214029737	08214058717	08214215001	08222095534	08225002806	08225005583	08225011602
08080718230	08080733100	08080804500	08080949100	08137002304	08137002623	08137004444	08137005534	08137006690	08137102765	08137117400	08173000525	08179015209	08214029739	08214058733	08214300001	08222095626	08225002902	08225005585	08225011701
08080718250	08080733200	08080804600	08080950000	08137002305	08137002628	08137004446	08137005536	08137006693	08137102799	08137117401	08173001510	08179041208	08214029740	08214059080	08214310001	08222095633	08225002903	08225005593	08225011702
08080718270	08080733900	08080804700	08080958010	08137002321	08137002633	08137004452	08137005540	08137006931	08137102802	08137117419	08173001610	08179041802	08214029748	08214060001	08214352719	08222095657	08225002905	08225005595	08225011801
08080718300	08080733901	08080810055	08080959000	08137002322	08137002638	08137004458	08137005544	08137006937	08137102837	08137117420	08173001720	08179042502	08214029750	08214061001	08214352901	08222095831	08225002906	08225005612	08225011802
08080718350	08080734600	08080812200	08080964000	08137002329	08137002643	08137004488	08137005548	08137006981	08137102902	08137117459	08173003001	08179048009	08214029755	08214065711	08214352933	08222095855	08225003020	08225005613	08225011881
08080718400	08080741805	08080812701	08080964200	08137002331	08137002644	08137004482	08137005549	08137007201	08137102922	08137117460	08173003102	08179050101	08214030001	08214065724	08214353001	08222142387	08225003030	08225005615	08225011882
08080718450	08080741813	08080812801	08080965200	08137002344	08137002648	08137004463	08137005556	08137007202	08137102933	08137117461	08173003201	08179071205	08214030101	08214065726	08214353033	08222142394	08225003040	08225005616	08225011891
08080718500	08080741821	08080818100	08080982010	08137002354	08137002659	08137004464	08137005560	08137007238	08137102943	08137117462	08173003301	08179072509	08214030201	08214065727	08214353719	08222142400	08225003080	08225005623	08225011892
08080719300	08080742000	08080818112	08080988000	08137002355	08137002738	08137004464	08137005561	08137007230	08137102973	08137117468	08173003401	08193002750	08214030721	08214065735	08214354033	08222143896	08225003090	08225005625	08225011901
08080719401	08080748000	08080818113	08080988600	08137002356	08137002770	08137004465	08137005562	08137007610	08137103003	08137117472	08173003501	08193000744	08214030724	08214065739	08214354719	08222172396	08225003302	08225005633	08225011902
08080719810	08080750095	08080819010	08080989000	08137002357	08137002771	08137004465	08137005563	08137007612	08137103004	08137117473	08173003601	08193000812	08214030727	08214065740	08214355719	08222173195	08225003303	08225005635	08225011951
08080720080	08080750300	08080819100	08080989100	08137002358	08137002772	08137004466	08137005566	08137007623	08137103005	08137117474	08173005310	08193100576	08214030735	08214065748	08214359001	08222173393	08225003305	08225005803	08225011952
08080720100	08080751622	08080819112	08080989200	08137002359	08137002774	08137004469	08137005571	08137007902	08137103007	08137117475	08173005410	08193100579	08214030737	08214065750	08214359033	08222173591	08225003382	08225005805	08225011991
08080720120	08080752042	08080819210	08080989300	08137002361	08137002778	08137004470	08137005576	08137007928	08137104653	08137117477	08173005510	08193100583	08214030739	08214065755	08214359719	08222174192	08225003383	08225005813	08225011992
08080720150	08080752505	08080820100	08080989400	08137002362	08137002780	08137004478	08137005583	08137007929	08137105834	08137117478	08173005610	08193102501	08214030740	08214065757	08214380001	08222174390	08225003385	08225005815	08225034402
08080720163	08080752513	08080820112	08080989500	08137002363	08137002789	08137004471	08137005586	08137007962	08137105892	08137117479	08173005710	08193178801	08214030748	08214070001	08214381001	08222174598	08225003386	08225005816	08225034403
08080720170	08080753901	08080821100	08080989600	08137002364	08137002781	08137004473	08137005620	08137008042	08137105893	08137117480	08173005810	08193178901	08214030750	08214070201	08214383034	08222182180	08225003392	08225005823	08225034405
08080720189	08080754000	08080821112	08080989700	08137002365	08137002782	08137004473	08137005621	08137008043	08137105913	08137117483	08173005920	08195020312	08214030755	08214070721	08214384034	08222182586	08225003393	08225005825	08225034406
08080720200	08080754100	08080822100	08080989800	08137002366	08137002783	08137004475	08137005622	08137008045	08137105918	08137117501	08173006020	08195040501	08214030757	08214070726	08214385034	08222192196	08225003395	08225005833	08225044502
08080720205	08080754200	08080822112	08080989900	08137002367	08137002790	08137004475	08137005634	08137008047	08137105922	08137117547	08173006120	08195060601	08214070727	08214070727	08214500712	08222192592	08225003396	08225005835	08225044503
08080720221	08080754400	08080822300	08137002368	08137002791	08137004475	08137005635	08137008056	08137105927	08137117548	08173006220	081950303150	08214035726	08214070729	08214070729	08214501712	08222193155	08225004020	08225006282	08225044504
08080720230	08080759400	08080823100	08137002369	08137002792	08137004476	08137005641	08137008064	08137105927	08137117549	08173006320	081950304230	08214035729	08214070734	08214070734	08214502712	08222193353	08225004030	08225006283	08225044704
08080720247	08080760000	08080825058	08137002368	08137002794	08137004483	08137005644	08137008066	08137105927	08137117550	08173006420	08195341201	08214040001	08214070740	08214070740	08214503712	08222193551	08225004040	08225006285	08225091120
08080720250	08080760100	08137002365	08137002365	08137002605	08137002384	08137004484	08137005658	08137008072	08137115078	08137117558	08173006515	08195341201	08214040721	08214070748	08214504712	08222251107	08225004102	08225006286	08225091130
08080720265	08080760400	08080825112	08137002385	08137002385	08137002995	08137004488	08137005659	08137008086	08137115149	08137117564	08173006615	08195503301	08214040724	08214070750	08214506712	08222251589	08225004103	08225006303	08225091140
08080720270	08080760500	08080826112	08137002389	08137002401	08137003143	08137004930	08137005661	08137008155	08137115162	08137117565	08173006715	08195504401	08214040727	08214070755	08214535716	08222440006	08225004105	08225006305	08225091160
08080720285	08080761600	08080827012	08137002390	08137002402	08137003157	08137005060	08137005664	08137008161	08137115210	08137117567	08173006815	08195504501	08214040734	08214070757	08214540501	08222440013	08225004106	08225006323	08225091120
08080720300	08080761610	08080827112	08137002391	08137002403	08137003195	08137005065	08137005685	08137008162	08137115441	08137117568	08173006915	08195505501	08214040737	08214071001	08214600001	08222630001	08225004202	08225006325	08225091300
08080720350	08080762000	08080830340	08137002392	08137002404	08137003210	08137005070	08137005701	08137008163	08137115567	08137117582	08173007015	08195507701	08214040739	08214071201	08214610001	08222630018	08225004203	08225006326	08225091400
08080720400	08080762010	08080832400	08137002393	08137002405	08137003211	08137005075	08137005716	08137008172	08137115593	08137117584	08173007115	08195512401	08214040744	08214074201	08214998901	08222630025	08225004205	08225006327	08225091300
08080720450	08080762055	08080834060	08137002394	08137002406	08137003226	08137005080	08137005721	08137008173	08137116114	08137117707	08173007215								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

08225215500	082255582400	08287126042	08287126503	08290001101	08290002867	08290004339	08290201033	08290203952	08290301037	08290305195	08290305491	08290305945	08290320550	08290366356	08290371340	08290384123	08290405092	08290490901	08317110000
08225218400	082255594300	08287126044	08287126504	08290001114	08290002867	08290004358	08290201035	08290203953	08290301629	08290305197	08290305493	08290305950	08290320749	08290366357	08290371430	08290384221	08290405093	08290491001	08317110000
08225233300	08225602410	08287126061	08287126506	08290001120	08290002870	08290004402	08290201036	08290203956	08290302830	08290305198	08290305500	08290305951	08290320881	08290366359	08290371432	08290384304	08290405132	08290491201	08317110000
08225241600	08225606000	08287126063	08287126508	08290001135	08290002871	08290004403	08290201037	08290203956	08290302831	08290305199	08290305512	08290306341	08290320882	08290366360	08290371433	08290384308	08290405145	08290498041	08317114000
08225242600	08225607000	08287126101	08287126555	08290001136	08290002874	08290004406	08290201038	08290203957	08290302832	08290305200	08290305513	08290309301	08290320883	08290366361	08290371434	08290384357	08290405146	08290498042	08317115000
08225243600	08225608000	08287126102	08287126556	08290001137	08290002875	08290004407	08290201039	08290204004	08290302833	08290305201	08290305514	08290309305	08290320884	08290366362	08290371435	08290384358	08290405147	08290511005	08317110000
08225256600	08225609000	08287126103	08287126557	08290001138	08290002878	08290005071	08290201042	08290204015	08290303005	08290305202	08290305515	08290309306	08290322025	08290367292	08290371436	08290384463	08290405148	08290511012	08317117000
08225257600	08225621000	08287126104	08287126558	08290001139	08290002879	08290005149	08290201043	08290204016	08290303006	08290305203	08290305516	08290309307	08290322026	08290367293	08290371437	08290384464	08290405149	08290511252	08317118000
08225260600	08225622000	08287126105	08287126559	08290001140	08290002900	08290005160	08290201044	08290204017	08290303007	08290305204	08290305517	08290309308	08290322027	08290367294	08290371438	08290384465	08290405160	08290511341	08317119000
08225261600	08225626000	08287126107	08287126561	08290001141	08290002901	08290005173	08290201045	08290204018	08290303008	08290305205	08290305518	08290309309	08290322028	08290367295	08290371439	08290384466	08290405161	08290511346	08317121000
08225262600	08225626400	08287126108	08287126562	08290001142	08290002902	08290005211	08290201051	08290204041	08290303009	08290305211	08290305519	08290309310	08290322029	08290367296	08290371440	08290384467	08290405162	08290511348	08317121500
08225264600	08225627000	08287126109	08287126601	08290001143	08290002903	08290005500	08290201052	08290204042	08290303010	08290305212	08290305520	08290309311	08290322030	08290367297	08290371441	08290384468	08290405164	08290511349	08317122000
08225265600	08225631000	08287126110	08287126602	08290001147	08290002904	08290005528	08290201053	08290204043	08290303011	08290305213	08290305521	08290309312	08290322031	08290367298	08290371442	08290384469	08290405170	08290511403	08317124000
08225272600	08225632000	08287126111	08287126603	08290001148	08290002905	08290005540	08290201054	08290204044	08290303012	08290305214	08290305522	08290309313	08290322032	08290367299	08290371443	08290384470	08290405171	08290512027	08317131500
08225272700	08225636000	08287126112	08287126605	08290001150	08290002906	08290006711	08290201055	08290204047	08290303013	08290305216	08290305523	08290309314	08290322033	08290367300	08290371444	08290384471	08290405172	08290512146	08317134000
08225273600	08225641000	08287126115	08287126608	08290001172	08290002907	08290006713	08290201056	08290205031	08290303014	08290305217	08290305524	08290309315	08290322034	08290367301	08290371445	08290384472	08290405174	08290515003	08317210291
08225280600	08225646000	08287126127	08287126611	08290001196	08290002908	08290006715	08290201057	08290205032	08290303015	08290305218	08290305525	08290309316	08290322035	08290367302	08290371446	08290384473	08290405180	08290515100	08317210295
08225280800	08225653000	08287126129	08287126702	08290001198	08290003050	08290006719	08290201059	08290205033	08290303016	08290305219	08290305526	08290309317	08290322036	08290367303	08290371447	08290384474	08290405181	08290515102	08317220501
08225281600	08225655000	08287126200	08287126703	08290001209	08290003052	08290006721	08290201161	08290205034	08290303345	08290305220	08290305561	08290309318	08290322037	08290367304	08290371448	08290384475	08290405182	08290515104	08317220602
08225292600	08225671500	08287126201	08287126704	08290001219	08290003054	08290006723	08290201206	08290206006	08290303346	08290305222	08290305562	08290309319	08290322038	08290367305	08290371449	08290384476	08290405183	08290515105	08317220801
08225296600	08225691000	08287126210	08287126705	08290001252	08290003056	08290006726	08290201207	08290206012	08290303347	08290305223	08290305577	08290309320	08290322039	08290367306	08290371450	08290384477	08290405184	08290515200	08317221000
08225297600	08225700000	08287126211	08287126706	08290001284	08290003057	08290006731	08290201208	08290206147	08290303348	08290305224	08290305578	08290309321	08290322040	08290367307	08290371451	08290384478	08290405185	08290515202	08317225050
08225298600	08225702000	08287126212	08287126707	08290001285	08290003058	08290006735	08290201209	08290206161	08290303349	08290305225	08290305579	08290309322	08290322041	08290367308	08290371452	08290384479	08290405186	08290515301	08317230129
08225299600	08225708000	08287126213	08287126708	08290001293	08290003061	08290006739	08290201210	08290206228	08290303366	08290305227	08290305580	08290309323	08290322042	08290367309	08290371453	08290384480	08290405187	08290515304	08317232129
08225299700	08225742000	08287126214	08287126709	08290001295	08290003064	08290006799	08290201211	08290206231	08290303367	08290305228	08290305581	08290309324	08290322043	08290367310	08290371454	08290384481	08290405188	08290515306	08317234132
08225300500	08225790000	08287126218	08287126729	08290001296	08290003065	08290006817	08290201212	08290206235	08290303368	08290305231	08290305582	08290309325	08290322044	08290367311	08290371455	08290384482	08290405189	08290515308	08317234932
08225301200	08225791000	08287126219	08287126730	08290001300	08290003066	08290007178	08290201255	08290206244	08290303369	08290305232	08290305583	08290309326	08290322045	08290367312	08290371456	08290384483	08290405190	08290515401	08317235131
08225303500	08225793000	08287126230	08287126731	08290001304	08290003067	08290007187	08290201298	08290206254	08290303370	08290305233	08290305584	08290309327	08290322046	08290367313	08290371457	08290384484	08290405191	08290515402	08317235331
08225305100	08225794000	08287126231	08287126732	08290001310	08290003068	08290007188	08290201352	08290206257	08290303381	08290305234	08290305585	08290309328	08290322047	08290367314	08290371458	08290384485	08290405192	08290515403	08317236131
08225311800	08225796000	08287126235	08287126735	08290001316	08290003114	08290007198	08290201435	08290206267	08290303383	08290305235	08290305586	08290309329	08290322048	08290367315	08290371459	08290384486	08290405193	08290515404	08317236332
08225312800	08225797000	08287126251	08287126736	08290001317	08290003135	08290007253	08290201744	08290206338	08290303400	08290305272	08290305760	08290309356	08290326730	08290371122	08290371700	08290400507	08290405452	08290524025	08317238131
08225390018	08225798000	08287126252	08287126738	08290001318	08290003136	08290007419	08290201791	08290206390	08290303401	08290305273	08290305761	08290309357	08290326731	08290371123	08290371712	08290400508	08290405453	08290524030	08317238332
08225390019	08225799000	08287126253	08287126741	08290001320	08290003137	08290007420	08290201792	08290206481	08290303402	08290305274	08290305762	08290309358	08290326732	08290371124	08290371713	08290400509	08290405454	08290524034	08317238931
08225390020	08238049001	08287126254	08287126742	08290001328	08290003138	08290007422	08290201933	08290206497	08290303403	08290305310	08290305763	08290309359	08290326733	08290371125	08290371714	08290400510	08290405455	08290524038	08317239131
08225390022	08238053904	08287126255	08287126743	08290001335	08290003139	08290007423	08290201969	08290206508	08290303405	08290305312	08290305764	08290309360	08290326734	08290371126	08290371715	08290400511	08290405456	08290524041	08317239331
08225390024	08238054702	08287126265	08287126744	08290001360	08290003150	08290007425	08290201993	08290206509	08290303506	08290305343	08290305765	08290309361	08290326735	08290371127	08290371716	08290400512	08290405457	08290524044	08317239531
08225399171	08238115301	08287126266	08287126751	08290001369	08290003152	08290008204	08290201994	08290206510	08290303507	08290305344	08290305766	08290309362	08290326736	08290371128	08290371717	08290400513	08290405458	08290524047	08317239731
08225399181	08238117104	08287126280	08287126781	08290001583	08290003153	08290008205	08290202099	08290206511	08290303508	08290305345	08290305767								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

08317500005	08317780050	08326310908	08333053802	08333161605	08333359301	08373049000	08380001064	08380003615	08380003824	08380007910	08380008590	08380008904	08380009823	08380014903	08380018144	08380019153	08380088725	08380097829	08395078360
08317500006	08317780100	08326311008	08333150701	08333162001	08333356420	08373049100	08380001432	08380003617	08380003826	08380007917	08380008591	08380008907	08380009824	08380014904	08380018152	08380019154	08380088730	08380097832	08395078370
08317500030	08317782001	08326319001	08333152500	08333162101	08333356430	08373049900	08380001433	08380003616	08380003827	08380008081	08380008592	08380008914	08380009825	08380014905	08380018153	08380019156	08380088735	08380097836	08395078390
08317500050	08317783110	08326319003	08333152501	08333162205	08333356440	08373052521	08380001434	08380003630	08380003832	08380008083	08380008593	08380008918	08380009826	08380014906	08380018154	08380019202	08380088740	08380097841	08395078400
08317500100	08317784001	08326319005	08333152502	08333162405	08333356450	08373053000	08380001438	08380003631	08380003833	08380008084	08380008594	08380008925	08380009827	08380014907	08380018162	08380019203	08380088800	08380097925	08395078420
08317502030	083177880125	08326319006	08333152700	08333162409	08333356460	08373053100	08380001439	08380003632	08380003834	08380008084	08380008595	08380008930	08380009828	08380014908	08380018163	08380019204	08380088825	08380097929	08395078440
08317530001	083177880128	08326319003	08333152701	08333162601	08333356470	08373053300	08380001460	08380003633	08380003837	08380008084	08380008596	08380008931	08380009829	08380014909	08380018164	08380019252	08380088830	08380097932	08395078460
08317530006	083177880130	08326320004	08333152702	08333162605	08333396000	08373059751	08380001466	08380003634	08380003842	08380008084	08380008611	08380008935	08380009834	08380014910	08380018172	08380019253	08380088835	08380097936	08395078450
08317530050	083177880225	08326320094	08333152703	08333162701	08333396010	08373071000	08380001481	08380003636	08380003843	08380008084	08380008612	08380008940	08380009835	08380014911	08380018173	08380019254	08380088840	08380097941	08395078460
08317530101	083177880228	08326330001	08333152711	08333162801	08333396020	08373071000	08380001482	08380003638	08380003844	08380008081	08380008613	08380008954	08380009839	08380015102	08380018174	08380019304	08380088901	08384201022	08395078470
08317532050	083177880300	08326331001	08333152712	08333162901	08333396030	08373071900	08380001483	08380003639	08380003845	08380008084	08380008614	08380008958	08380009840	08380015103	08380018176	08380037310	08380089002	08384300100	08395078490
08317540001	083177882501	08326401001	08333152801	08333163005	08333396040	08373072000	08380001484	08380003662	08380003872	08380008084	08380008615	08380008960	08380009873	08380015104	08380018182	08380037311	08380089003	08385022650	08395078500
08317540005	083177882801	08326402002	08333152802	08333163301	08333396050	08373072200	08380001485	08380003663	08380003873	08380008084	08380008616	08380008961	08380009880	08380015202	08380018183	08380071122	08380089004	08385008601	08395078501
08317540050	083177885050	08327006029	08333152803	08333163401	08333396010	08373072400	08380001486	08380003664	08380003874	08380008084	08380008617	08380008962	08380009887	08380015203	08380018184	08380071142	08380089005	08385008601	08395078900
08317541100	08317950000	08327006109	08333152804	08333163501	08333396011	08373072500	08380001487	08380003665	08380003892	08380008084	08380008618	08380008963	08380009898	08380015204	08380018192	08380074144	08380089511	08385008670	08395078920
08317542110	08317955000	08327006283	08333153000	08333165001	08333396012	08373073000	08380001488	08380003668	08380003893	08380008084	08380008619	08380008990	08380009979	08380015302	08380018193	08380078500	08380090062	08385110579	08395078930
08317543110	08317970112	08327006729	08333153001	08333165501	08333396013	08373073500	08380001496	08380003669	08380003894	08380008084	08380008624	08380008991	08380011202	08380015303	08380018194	08380078501	08380090082	08385610001	08395078940
08317544110	08317970118	08327006829	08333153002	08333166301	08333396014	08373074000	08380001314	08380003680	08380003897	08380008084	08380008628	08380008992	08380011203	08380015304	08380018202	08380079300	08380090102	08385610501	08395078950
08317550011	08317970121	08327006929	08333153003	08333166801	08333396015	08373074200	08380001314	08380003681	08380003902	08380008084	08380008631	08380008993	08380011204	08380015402	08380018203	08380079301	08380090104	08395035690	08395078960
08317550602	08317970125	08327007029	08333153011	08333320810	08333396016	08373075000	08380003144	08380003682	08380003903	08380008084	08380008632	08380009106	08380011402	08380015403	08380018204	08380079400	08380090122	08395040110	08395078970
08317551000	08317970128	08327007209	08333153012	08333320821	08333396019	08373075500	08380003148	08380003683	08380003904	08380008084	08380008633	08380009107	08380011403	08380015404	08380018282	08380079520	08380090124	08395041101	08395081100
08317555050	08317980121	08327008709	08333153300	08333320831	08333396020	08373075600	08380003149	08380003684	08380003907	08380008084	08380008634	08380009207	08380011404	08380015503	08380018283	08380079530	08380090142	08395041300	08395081101
08317560001	08317980125	08327008760	08333153301	08333320831	08333396020	08373075600	08380003184	08380003685	08380003907	08380008084	08380008635	08380009208	08380011503	08380015504	08380018284	08380079540	08380090144	08395041320	08395081300
08317560006	08317980128	08327008860	08333153302	08333320841	08333396021	08373076510	08380003186	08380003686	08380003907	08380008084	08380008637	08380009209	08380011504	08380015505	08380018292	08380080070	08380090164	08395041330	08395081301
08317560050	08317980225	08327008860	08333153400	08333320841	08333396020	08373076550	08380003222	08380003703	08380007165	08380008084	08380008638	08380009242	08380011505	08380015506	08380018293	08380080085	08380090184	08395041340	08395081320
08317560100	08317980228	08327008860	08333153401	08333320843	08333396020	08373080011	08380003223	08380003706	08380007166	08380008084	08380008639	08380009343	08380011506	08380015602	08380018294	08380080103	08380090810	08395041350	08395081330
08317570001	08317980328	08327008960	08333153402	08333320861	08333396020	08373080210	08380003224	08380003707	08380007168	08380008084	08380008641	08380009345	08380012000	08380015603	08380018323	08380080105	08380090106	08395041360	08395081340
08317570005	08317990125	08327009129	08333153403	08333320861	08333396020	08373080310	08380003225	08380003722	08380007169	08380008084	08380008642	08380009346	08380012001	08380015604	08380018324	08380080108	08380090110	08395041370	08395081350
08317570015	08317990130	08327009209	08333153500	08333320941	08333396020	08373081110	08380003226	08380003723	08380007169	08380008084	08380008643	08380009348	08380012002	08380015602	08380018332	08380080110	08380090126	08395041390	08395081360
08317570050	08317990200	08327011709	08333153501	08333328610	08333396020	08373081111	08380003228	08380003726	08380007300	08380008084	08380008644	08380009349	08380012003	08380015803	08380018333	08380080123	08380090126	08395041400	08395081370
08317571100	08317990250	08327017130	08333153502	08333328621	08333396020	08373081210	08380003229	08380003727	08380007331	08380008084	08380008647	08380009354	08380012004	08380015804	08380018334	08380080128	08380090126	08395041420	08395081400
08317572050	08317990400	08327017209	08333153503	08333328623	08333396020	08373081211	08380003232	08380003727	08380007501	08380008084	08380008648	08380009355	08380012005	08380015903	08380018352	08380080143	08380090146	08395041430	08395081401
08317630005	08317990600	08327017230	08333153701	08333328631	08333396040	08373081311	08380003233	08380003730	08380007503	08380008084	08380008649	08380009356	08380013402	08380015904	08380018353	08380080148	08380090146	08395041440	08395081420
08317630050	08317990700	08327017309	08333153800	08333328641	08333396040	08373081311	08380003234	08380003731	08380007505	08380008084	08380008651	08380009357	08380013902	08380015905	08380018354	08380080163	08380090146	08395041450	08395081430
08317631101	08317990750	08327017330	08333153801	08333328643	08333396040	08373081330	08380003238	08380003732	08380007507	08380008084	08380008661	08380009360	08380014102	08380015906	08380018362	08380080168	08380090161	08395041460	08395081440
08317660001	08317990800	08327017409	08333153802	08333328661	08333396040	08373082900	08380003239	08380003733	08380007511	08380008084	08380008662	08380009367	08380014103	08380016101	08380018363	08380080183	08380090162	08395041470	08395081450
08317660015	08317990900	08327017430	08333153803	08333328663	08333396040	08373143100	08380003273	08380003734	08380007513	08380008084	08380008663	08380009368	08380014104	08380016102	08380018364	08380080188	08380090181	08395041490	08395081460
08317660016	08317990950	08327017460	08333153801	08333328681	08333396040	08373143100	08380003274	08380003735	08380007515	08380008084	0838								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

08395099120	08396900900	08462102013	08466093100	08470119001	08484032500	08489728750	08496019401	08496031801	08496281501	08517342901	08525011300	08554229701	08590000900	08595042500	08626412301	08881200573	08881513512	08881833210	08887630229
08395099150	08396900934	08462103104	08468430050	08470130001	08484032800	08489728850	08496019501	08496031901	08496281511	08517343001	08525011401	08554232001	08590001000	08595042700	08627001101	08881200714	08881513538	08881833215	08887630245
08395099180	08396901034	08462104001	08468430505	08470131001	08484033062	08489728950	08496019601	08496032101	08496281501	08517344001	08525011501	08554249401	08590001300	08595052700	08627001301	08881200755	08881513744	08881833310	08887630260
08396081300	08396901134	08462109750	08468431101	08470131101	08484051885	08489729050	08496019801	08496032201	08496285501	08517345001	08528003101	08554318802	08590001400	08595060100	08627001401	08881200805	08881513918	08881833510	08887660085
08396500122	08396901234	08462109751	08470011001	08470140101	08484051890	08489729610	08496019901	08496032301	08496285511	08517346001	08528003301	08554332901	08590004800	08595060100	08627001601	08881200817	08881513934	08881833558	08887660101
08396500125	08396901334	08462109912	08470011041	08470140401	08484052800	08489729710	08496020001	08496032401	08496285801	08517352936	08528003501	08554337702	08590004900	08595060200	08627002011	08881202033	08881516051	08881866015	08887660127
08396500126	08396901434	08462122015	08470011051	08470141201	08484053310	08489729810	08496020101	08496032701	08496290201	08517353036	08528004101	08554338401	08590005100	08595060300	08627002021	08881202063	08881516135	08881866110	08887660143
08396500144	08396901534	08462122064	08470026001	08470141441	08484053350	08489729910	08496020201	08496032801	08496290205	08517354036	08528004501	08554362901	08590005200	08595060400	08627002031	08881202371	08881516150	08881866115	08887660168
08396500175	08396901634	08462122069	08470026501	08470142201	08484070120	08489728609	08496020301	08496032901	08496290501	08517355036	08528009001	08554376402	08590005400	08595060500	08627003011	08881204005	08881516200	08881866215	08887660184
08396500225	08396901734	08462122200	08470027001	08470142441	08484070802	08489728709	08496020401	08496033101	08496290801	08517356036	08528010001	08554386401	08590005500	08595060600	08627003021	08881250016	08881516911	08881882712	08887660903
08396500244	08396902000	08462122220	08470027101	08470144201	08484071950	08489728729	08496020501	08496033201	08496291501	08517359036	08528010301	08554402401	08590005700	08595060700	08627003031	08881250024	08881516937	08881882812	08887665183
08396500291	08396902400	08462123200	08470027401	08470144441	08484072500	08489729101	08496020601	08496033501	08496291511	08517359536	08528010501	08554402501	08590005900	08595060800	08627005011	08881250032	08881520178	08881892910	08887665209
08396500375	08396902700	08462130045	08470027801	08470146141	08484073200	08489729141	08496020701	08496033701	08496295501	08517382919	08528010601	08554403601	08590006100	08595060900	08627005021	08881250040	08881520251	08881892930	08887665225
08396500425	08396902900	08462141001	08470030001	08470146341	08484074300	08489816210	08496021001	08496033801	08496295511	08517382936	08528067701	08554408801	08590006200	08595070050	08627005031	08881250057	08881520657	08881892950	08887665241
08396500426	08396903100	08462141007	08470030101	08470146441	08484075050	08489816310	08496021101	08496033901	08496300301	08517383019	08528080561	08554424001	08590006400	08595070150	08627005104	08881250065	08881520665	08881893010	08888492017
08396500444	08396903200	08462141086	08470030201	08470148291	08484075300	08489830710	08496021201	08496034001	08496300501	08517383036	08528085750	08554442601	08590006600	08595070250	08627005303	08881250073	08881520673	08881893030	08888492025
08396500475	08396903300	08462142601	08470040001	08470148301	08484081028	08489830810	08496021301	08496034101	08496300601	08517383065	08528146404	08554442601	08590007000	08595070350	08627006011	08881250081	08881535101	08881893050	08888492033
08396500525	08396903400	08462142602	08470041441	08470148401	08484082026	08489830910	08496021401	08496034801	08496300801	08517384019	08528146704	08554453801	08590007100	08595070450	08627006021	08881250099	08881535762	08881901006	08888492043
08396500526	08396903500	08462142603	08470041801	08470148501	08484990310	08489831110	08496021601	08496035001	08496301001	08517384036	08528147401	08554454601	08590007200	08595070550	08627006031	08881250107	08881535770	08881901014	08888492058
08396500544	08396903700	08462142610	08470043001	08470148901	08484990328	08489831110	08496021701	08496035101	08496301201	08517384065	08528147008	08556094001	08590007300	08595080050	08627008011	08881250115	08881535788	08881903002	08888492066
08396500575	08423112613	08462142612	08470043501	08470202901	08484990338	08489831210	08496021801	08496035201	08496301501	08517385019	08528101030	08556094002	08590007400	08595080150	08627008021	08881250123	08881535796	08881903010	08910003311
08396500622	08423112617	08462142613	08470044001	08470203001	08484990335	08489831310	08496021901	08496036301	08496301511	08517385036	08528138180	08556094003	08590007500	08595080250	08627008031	08881250149	08881540122	08881906005	09038000625
08396500625	08423112721	08462143010	08470044501	08470204001	08484990430	08489831410	08496022001	08496036401	08496301601	08517385065	08528138200	08556400000	08590007600	08595080350	08627009011	08881250172	08881540166	08881906104	09038000648
08396500644	08423112731	08462143012	08470045001	08470205001	08484990432	08489831510	08496022101	08496036801	08496301611	08517386036	08528138880	08556015915	08590007700	08595080450	08627009111	08881250206	08881540134	08881907003	09038000650
08396500675	08423112742	08462143020	08470045501	08470209001	08484990435	08489846710	08496022201	08496038901	08496303001	08517389019	08536011000	08556016915	08590007800	08595080550	08630010001	08881250214	08881541067	08881907003	09038000652
08396500691	08423112906	08462143022	08470046001	08470210001	08484990437	08489846810	08496023101	08496039001	08496303501	08517389036	08536011000	08556017915	08590007900	08595080650	08630020002	08881250222	08881560125	08881906104	09038000654
08396500725	08423112908	08462155007	08470046501	08470215001	08484990438	08489846910	08496023201	08496039601	08496303511	08521000131	08536011500	08556044415	08590008000	08597111113	08633900001	08881250230	08881560144	08881906104	09038000656
08396500744	08423112910	08462155100	08470051001	08470282901	08489600110	08489847710	08496023301	08496039801	08496303601	08521000231	08536012000	08556123401	08590008100	08605010001	08636012301	08881250255	08881560182	08881907008	09038000658
08396500791	08423116216	08462155109	08470051501	08470283001	08489600210	08489847101	08496023401	08496040201	08496303611	08521000331	08539000101	08556123501	08590008200	08605010202	08636714120	08881250289	08881560224	08881907016	09038000661
08396500825	08423200110	08462155110	08470053001	08470284001	08489600310	08489847210	08496023601	08496040401	08496303501	08521080100	08539000501	08556123601	08590008300	08605010303	08638714220	08881250305	08881560232	08881907027	09038000662
08396500844	08423200220	08462155195	08470053501	08470285001	08489600410	08489860050	08496024201	08496040501	08496305511	08521081030	08539001201	08556123932	08590008400	08605010404	08638714320	08881250313	08881560265	08881907025	09038000663
08396500891	08439060026	08462155200	08470056501	08470289001	08489600510	08489860150	08496024301	08496040601	08496305601	08521081032	08539001301	08556123937	08590008500	08611501001	08638715510	08881250321	08881600004	08881907025	09038000664
08396705014	08439060030	08462155210	08470056901	08470310001	08489600610	08489890801	08496024501	08496040701	08496305611	08521081033	08539002001	08556123937	08590009100	08611502001	08638715610	08881250362	08881600045	08881907025	09038000665
08396706002	08439122002	08462155300	08470057501	08470342901	08489600710	08489890811	08496024601	08496040801	08496305801	08521500432	08539002201	08556123937	08590010300	08611503050	08638715710	08881250545	08881600350	08881907035	09038000666
08396706018	08439123020	08462155305	08470057601	08470343001	08489600810	08489890821	08496024801	08496040901	08496301010	08521500531	08539010001	08556123937	08590010600	08611504000	08638731125	08881260406	08881600651	08881907045	09038000667
08396706091	08439212151	08462155310	08470058501	08470344001	08489600910	08489890831	08496025201	08496042001	08496301035	08521500632	08539005503	08556123937	08590010700	08611504100	08638731225	08881265124	08881600700	08881907045	09038000668
08396739111	08439343110	08462155395	08470060001	08470345001	08489601110	08495123401	08496025301	08496042201	08496301040	08521500831	08539006000	08556123937	08590010800	08611505001	08638731325	08881305018	08881600800	08881907045	09038000669
08396800100	08439345010	08462155400	08470061001	08470349001	08489601210	08495123501	08496025401	08496042301	08496301045	08521500832	08539105002								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

09038000728	10075017621	10725002346	11509000446	11640000511	11701071201	11701071770	11701072541	11701073020	11701073334	11701074807	11701075410	11701080725	11701082225	11701084535	11701085850	11701087524	11701088691	11701090353	11701090560
09038000730	10075018796	10725002349	11509000446	11640000512	11701071202	11701071770	11701072551	11701073030	11701073340	11701074808	11701075411	11701080726	11701082226	11701084540	11701085855	11701087525	11701088692	11701090354	11701090610
09038000732	10075018863	10725002352	11509000462	11640000600	11701071203	11701071781	11701072551	11701073031	11701073341	11701074809	11701075420	11701080727	11701082235	11701084610	11701085910	11701087526	11701088693	11701090355	11701090611
09038000734	10075020523	10725002354	11509000500	11640000601	11701071204	11701071801	11701072552	11701073032	11701073350	11701074901	11701075421	11701080728	11701082240	11701084615	11701085915	11701087564	11701088694	11701090370	11701090612
09038000736	10119040307	10725002427	11509006007	11640000605	11701071205	11701071802	11701072553	11701073033	11701073351	11701074902	11701075430	11701080729	11701082310	11701084620	11701085920	11701087565	11701088695	11701090371	11701090613
09038000738	10119041502	10725002501	11509006047	11640000606	11701071206	11701071803	11701072554	11701073034	11701073352	11701074903	11701075431	11701080810	11701082410	11701084625	11701085925	11701087566	11701088696	11701090372	11701090614
09038000740	10119043001	10725002506	11509006507	11640000610	11701071301	11701071804	11701072560	11701073035	11701073353	11701074904	11701075440	11701080811	11701082510	11701084630	11701085930	11701087574	11701088697	11701090401	11701090615
09038022300	10119043002	10725002507	11509006508	11640000622	11701071302	11701071810	11701072561	11701073036	11701073354	11701074905	11701075441	11701080812	11701082610	11701084635	11701085935	11701087575	11701088710	11701090402	11701090621
09038022301	10119043004	10725002508	11509006709	11640000632	11701071303	11701071811	11701072562	11701073037	11701073355	11701074906	11701075450	11701080813	11701082615	11701084640	11701085940	11701087576	11701088720	11701090403	11701090622
09038022302	10119043013	10725002509	11509006710	11640000633	11701071310	11701071815	11701072563	11701073038	11701073356	11701074907	11701075451	11701080814	11701082620	11701084715	11701085945	11701087584	11701088721	11701090404	11701090623
09038022303	10119043014	10725002726	11509008900	11640000634	11701071401	11701071816	11701072570	11701073101	11701073360	11701074908	11701075460	11701080815	11701082710	11701084720	11701085950	11701087585	11701088722	11701090405	11701090624
09038022304	10119043015	0939003433	11509013100	11640000655	11701071402	11701071850	11701072571	11701073102	11701073361	11701074909	11701075461	11701080816	11701082715	11701084811	11701085955	11701087586	11701088723	11701090406	11701090650
09038022305	10119043016	0939003533	11509014900	11640000678	11701071403	11701071851	11701072572	11701073103	11701073362	11701075001	11701075470	11701080817	11701082810	11701084816	11701086010	11701087640	11701088724	11701090407	11701090651
09038022306	10119043017	0939003633	11640000001	11640000701	11701071404	11701071852	11701072573	11701073104	11701073370	11701075002	11701075471	11701080818	11701082815	11701084821	11701086015	11701087644	11701088730	11701090408	11701090652
09038022307	10119043018	0939004233	11640000002	11640000702	11701071405	11701071853	11701072580	11701073105	11701073371	11701075003	11701075480	11701080819	11701083010	11701084831	11701086020	11701087645	11701088731	11701090409	11701090653
09038022308	10119043019	0939004433	11640000004	11640000703	11701071406	11701071860	11701072581	11701073106	11701073372	11701075004	11701075481	11701080820	11701083110	11701084836	11701086025	11701087646	11701088732	11701090411	11701090654
09038022309	10119043020	0939009933	11640000034	11640000704	11701071407	11701071861	11701072582	11701073107	11701073373	11701075005	11701075490	11701080821	11701083115	11701084841	11701086030	11701087660	11701088733	11701090412	11701090655
09038022310	10119043042	0939010633	11640000044	11640000705	11701071408	11701071870	11701072583	11701073108	11701073374	11701075006	11701075491	11701080822	11701083120	11701084851	11701086035	11701087670	11701088734	11701090414	11701090656
09038022311	10119081180	0939010733	11640000049	11640000719	11701071409	11701071901	11701072584	11701073109	11701073401	11701075007	11701075501	11701080823	11701083125	11701084856	11701086040	11701087681	11701088811	11701090416	11701090657
09869541523	10119081195	0939019433	11640000100	11640000722	11701071410	11701071902	11701072585	11701073110	11701073402	11701075008	11701075502	11701080910	11701083130	11701084861	11701086045	11701087682	11701088812	11701090417	11701090658
09958000512	10119081501	0939019633	11640000101	11640000725	11701071501	11701071903	11701072591	11701073111	11701073501	11701075011	11701075510	11701080911	11701083135	11701084871	11701086050	11701087683	11701088904	11701090418	11701090660
09958000522	10140792103	0939022822	11640000102	11640000729	11701071502	11701071904	11701072610	11701073120	11701073502	11701075012	11701075511	11701080912	11701083310	11701084876	11701086055	11701087762	11701088905	11701090419	11701090670
09958000562	10140792205	0939022854	11640000103	11640000732	11701071503	11701071905	11701072620	11701073121	11701073503	11701075013	11701075520	11701080913	11701083315	11701084881	11701086110	11701087782	11701088911	11701090426	11701090675
09958000582	10158005306	0939022864	11640000104	11640000735	11701071504	11701072001	11701072701	11701073122	11701073601	11701075014	11701075521	11701080914	11701083320	11701084905	11701086115	11701087792	11701088912	11701090427	11701090676
09958000592	10158005308	0939022944	11640000105	11640000738	11701071505	11701072002	11701072702	11701073123	11701073602	11701075015	11701075530	11701080915	11701083325	11701084910	11701086120	11701087794	11701088914	11701090428	11701090677
09958000602	10158005315	0939030444	11640000106	11640000741	11701071511	11701072010	11701072703	11701073124	11701073801	11701075016	11701075531	11701080916	11701083330	11701084915	11701086125	11701087786	11701088915	11701090429	11701090686
09958000611	10158005450	0939030544	11640000107	11640000810	11701071512	11701072011	11701072704	11701073125	11701073802	11701075017	11701075540	11701080917	11701083335	11701084920	11701086130	11701087787	11701088921	11701090431	11701090701
09958000642	10158005455	0939030644	11640000108	11640000811	11701071513	11701072012	11701072710	11701073126	11701073810	11701075018	11701075541	11701080918	11701083340	11701084925	11701086135	11701087788	11701088922	11701090432	11701090702
09958000672	10158006202	0939030844	11640000109	11640000812	11701071514	11701072013	11701072711	11701073127	11701073811	11701075019	11701075550	11701080919	11701083345	11701084930	11701086140	11701087789	11701088923	11701090433	11701090703
09958000682	10158006204	0939040544	11640000110	11640000813	11701071515	11701072014	11701072712	11701073131	11701073820	11701075020	11701075551	11701080920	11701083415	11701084935	11701086145	11701087790	11701088924	11701090434	11701090704
09958000692	10158007801	0939042502	11640000111	11640000814	11701071550	11701072015	11701072713	11701073132	11701073821	11701075103	11701075560	11701080921	11701083420	11701084940	11701086150	11701087791	11701088925	11701090441	11701090705
09958000702	10158008025	0939049444	11640000112	11640000815	11701071551	11701072101	11701072714	11701073155	11701073830	11701075104	11701075561	11701080922	11701083425	11701084945	11701086155	11701087792	11701088926	11701090442	11701090801
09958000712	10158008111	0939059233	11640000113	11640000821	11701071552	11701072102	11701072715	11701073156	11701073831	11701075105	11701075570	11701080923	11701083430	11701085010	11701086210	11701087793	11701088927	11701090443	11701090802
09958000722	10158009206	0939059333	11640000114	11640000823	11701071553	11701072103	11701072720	11701073157	11701073840	11701075106	11701075571	11701080924	11701083435	11701085015	11701086215	11701087794	11701088928	11701090444	11701090803
09958000732	10158009213	0939059433	11640000122	11640000824	11701071554	11701072104	11701072721	11701073158	11701073850	11701075107	11701079301	11701080925	11701083440	11701085020	11701086220	11701087795	11701088929	11701090445	11701090804
09958000742	101580087704	0939059533	11640000125	11640000825	11701071555	11701072201	11701072722	11701073159	11701073851	11701075111	11701079310	11701080926	11701083445	11701085025	11701086230	11701087796	11701088930	11701090446	11701090805
09958000750	10158008280	0939059733	11640000129	11640000825	11701071561	11701072202	11701072723	11701073201	11701073852	11701075112	11701079401	11701080927	11701083450	11701085030	11701086240	11701087797	11701088931	11701090447	11701091300
09958000800	104811100901	0939070944	11640000132	11640000831	11701071562	11701072203	11701072724	11701073202	11701073853	11701075113	11701079410	11701080928	117010						

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

11701092070	11701093157	11822037140	11822302180	11822330490	11822485410	11822854880	11917004245	11917005468	11917006749	11917007789	11917009540	11917011187	11917013786	11917015104	11917015899	11917017235	12547063966	13703024120	14613020122
11701092072	11701093201	11822037870	11822302190	11822330500	11822488930	11822854880	11917004428	11917005469	11917006750	11917007980	11917009541	11917011208	11917013787	11917015198	11917015900	11917017274	12547063966	13703024121	14613020183
11701092074	11701093202	11822039300	11822302200	11822330510	11822488940	11822870800	11917004450	11917005470	11917006823	11917007981	11917009542	11917011210	11917013790	11917015204	11917015901	11917017277	12547063966	13703024130	14613020218
11701092076	11701093203	11822039380	11822302210	11822330520	11822488910	11822872850	11917004451	11917005471	11917006824	11917007982	11917009543	11917011211	11917013819	11917015205	11917015902	11917017364	12547063966	13703024131	14613020253
11701092181	11701093205	11822039460	11822302240	11822330530	11822489320	11822877060	11917004479	11917005472	11917006825	11917007983	11917009544	11917011212	11917013820	11917015207	11917015903	11917017365	12547063966	13703024132	14613020274
11701092182	11701093206	11822039470	11822302920	11822330530	11822489330	11822877080	11917004480	11917005478	11917006861	11917007985	11917009545	11917011213	11917014090	11917015217	11917015904	11917017366	12547063966	13703024133	14613020374
11701092183	11701093207	11822039480	11822303320	11822330530	11822489340	11822877140	11917004482	11917005479	11917006865	11917007985	11917009546	11917011222	11917014091	11917015220	11917015905	11917017369	12547063966	13703024141	14613020398
11701092191	11701093208	11822039490	11822303510	11822340680	11822493960	11822882140	11917004490	11917005480	11917006877	11917007996	11917009547	11917011291	11917014111	11917015222	11917015917	11917017419	12547063966	13703024151	14613020399
11701092192	11701093209	11822039630	11822303630	11822340850	11822504320	11822882210	11917004494	11917005481	11917006879	11917007997	11917009548	11917011292	11917014131	11917015232	11917015929	11917017442	12547063966	13703024130	14613020394
11701092193	11701093220	11822039640	11822303940	11822343910	11822511340	11822893960	11917004793	11917005482	11917006880	11917007998	11917009549	11917011293	11917014163	11917015343	11917015932	11917017454	12547063966	13703024133	14613020392
11701092194	11701093250	11822041593	11822303640	11822344390	11822511490	11822893970	11917004794	11917005483	11917006881	11917007999	11917009550	11917011294	11917014167	11917015348	11917015933	11917017521	12547063966	13703024134	14613020101
11701092195	11701093251	11822042345	11822303840	11822345740	11822511500	11822893980	11917004795	11917005484	11917006883	11917008000	11917009551	11917011295	11917014168	11917015517	11917015934	11917017572	12547063966	13703024150	14613020102
11701092196	11701093252	11822050390	11822303840	11822345750	11822511510	11822893990	11917004813	11917005485	11917006884	11917008001	11917009552	11917011296	11917014176	11917015518	11917015979	11917017619	12547063966	13703024151	14613020103
11701092197	11701093254	11822051913	11822303960	11822348010	11822512920	11822894990	11917004814	11917005486	11917006885	11917008001	11917009553	11917011297	11917014177	11917015519	11917015981	11917017638	12547063966	13703024160	14613020104
11701092198	11701093255	11822051915	11822303920	11822350380	11822512930	11822895000	11917004815	11917005487	11917006886	11917008002	11917009554	11917011298	11917014192	11917015520	11917015984	11917017639	12547063966	13703024161	14613020105
11701092207	11701093256	11822051916	11822303960	11822350390	11822513160	11822895130	11917004871	11917005488	11917006888	11917008009	11917009554	11917011299	11917014177	11917015521	11917015992	11917017640	12547063966	13703024162	14613020106
11701092321	11701093257	11822052570	11822303970	11822350540	11822513880	11822895100	11917004874	11917005489	11917006907	11917008010	11917009555	11917011300	11917014204	11917015522	11917015999	11917017781	12547063966	13703024163	14613020102
11701092325	11701093258	11822052541	11822303980	11822350880	11822513890	11822935010	11917004875	11917005501	11917006909	11917008012	11917009559	11917011301	11917014205	11917015524	11917016005	11917017839	12547063966	13703024164	14613020101
11701092328	11701093415	11822052425	11822303980	11822351030	11822514090	11822935030	11917004876	11917005502	11917006910	11917008015	11917009600	11917011302	11917014206	11917015525	11917016007	11917017843	12547063966	13703024165	14613020103
11701092329	11701093513	11822052426	11822303990	11822351350	11822514260	11822935050	11917004877	11917005566	11917006935	11917008015	11917009601	11917011303	11917014207	11917015526	11917016045	11917017836	12547063966	13703024166	14613020101
11701092350	11701093517	11822052470	11822304270	11822351410	11822515660	11822935080	11917004887	11917005568	11917006951	11917008015	11917009602	11917011344	11917014223	11917015528	11917016179	11917018337	12547063966	13703024167	14613020126
11701092351	11701093702	11822052498	11822311150	11822353810	11822515800	11822935090	11917004888	11917005569	11917006960	11917008018	11917009603	11917011345	11917014223	11917015551	11917016180	11917018338	12547063966	13703024168	14613020134
11701092352	11701093901	11822052499	11822311250	11822353840	11822515810	11822935100	11917004891	11917005569	11917006961	11917008019	11917009604	11917011364	11917014266	11917015553	11917016181	11917018339	12547063966	13703024169	14613020103
11701092353	11701093902	11822052499	11822311260	11822353850	11822515810	11822935100	11917004892	11917005569	11917006961	11917008019	11917009623	11917011375	11917014267	11917015554	11917016184	11917018340	12547063966	13703024170	14613020104
11701092617	11822000040	11822054313	11822311440	11822353910	11822516630	11822935230	11917004893	11917005565	11917007010	11917008019	11917009623	11917011375	11917014267	11917015554	11917016184	11917018340	12547063966	13703024171	14613020105
11701092622	11822000710	11822054316	11822311500	11822353914	11822516630	11822935230	11917004894	11917005547	11917007036	11917008020	11917009643	11917011381	11917014269	11917015580	11917016187	11917018370	12547063966	13703024172	14613020106
11701092801	11822001887	11822055793	11822311520	11822353915	11822516630	11822935230	11917004896	11917005548	11917007037	11917008021	11917009643	11917011383	11917014296	11917015580	11917016188	11917018375	12547063966	13703024173	14613020107
11701092802	11822001890	11822055659	11822311530	11822353916	11822516630	11822935230	11917004897	11917005562	11917007038	11917008021	11917009644	11917011384	11917014323	11917015581	11917016189	11917018376	12547063966	13703024174	14613020108
11701092803	11822002120	11822055660	11822311550	11822353917	11822516630	11822935230	11917004898	11917005563	11917007039	11917008022	11917009645	11917011385	11917014338	11917015582	11917016190	11917018377	12547063966	13703024175	14613020109
11701092902	11822002600	11822055662	11822311560	11822353918	11822516630	11822935230	11917004899	11917005564	11917007040	11917008023	11917009646	11917011386	11917014339	11917015583	11917016191	11917018378	12547063966	13703024176	14613020110
11701092903	11822002610	11822055662	11822311570	11822353919	11822516630	11822935230	11917004900	11917005565	11917007041	11917008024	11917009647	11917011387	11917014340	11917015584	11917016192	11917018379	12547063966	13703024177	14613020111
11701092904	11822002640	11822055662	11822312030	11822353920	11822516630	11822935230	11917004901	11917005566	11917007042	11917008025	11917009648	11917011388	11917014341	11917015585	11917016193	11917018380	12547063966	13703024178	14613020112
11701092905	11822003060	11822055662	11822312580	11822353921	11822516630	11822935230	11917004902	11917005567	11917007043	11917008026	11917009649	11917011389	11917014342	11917015586	11917016194	11917018381	12547063966	13703024179	14613020113
11701092906	11822003070	11822055662	11822312590	11822353922	11822516630	11822935230	11917004903	11917005568	11917007044	11917008027	11917009650	11917011390	11917014343	11917015587	11917016195	11917018382	12547063966	13703024180	14613020114
11701092907	11822003080	11822055662	11822312600	11822353923	11822516630	11822935230	11917004904	11917005569	11917007045	11917008028	11917009651	11917011391	11917014344	11917015588	11917016196	11917018383	12547063966	13703024181	14613020115
11701092908	11822003081	11822055662	11822312610	11822353924	11822516630	11822935230	11917004905	11917005570	11917007046	11917008029	11917009652	11917011392	11917014345	11917015589	11917016197	11917018384	12547063966	13703024182	14613020116
11701093001	11822003090	11822055659	11822312620	11822353925	11822516630	11822935230	11917004906	11917005571	11917007047	11917008030	11917009653	11917011393	11917014346	11917015590	11917016198	11917018385	12547063966	13703024183	14613020117
11701093002	11822003091	11822055659	11822312630	11822353926	11822516630	11822935230	11917004907	11917005572	11917007048	11917008031	11917009654								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

15630004674	16042001183	16784069303	16784070273	17922010075	19869000148	19869052952	19869053508	19869053698	19869054309	22319076211	23601000719	23601022871	23601087401	25715067169	28785031014	32252003026	32671000500	33332011710	35515095852
15630004675	16042001197	16784069313	16784070283	17922010273	19869000172	19869052953	19869053509	19869053699	19869054310	22319076220	23601000720	23601022870	23601087402	25715067223	28785031314	32252003033	32671000501	33332011711	35515095948
15630004676	16042001198	16784069323	16784070303	17922010280	19869000173	19869052954	19869053510	19869053700	19869054311	22319076229	23601000725	23601023200	23601087500	25715067401	28785033001	32252003034	32671000502	33332011810	35515096502
15630004677	16042001199	16784069333	16784070312	18029048147	19869000174	19869052955	19869053511	19869053701	19869054312	22319076501	23601000728	23601023200	23601087501	25715067767	28785040002	32252003051	32671000503	33332011811	35515096503
15630004678	16042001200	16784069342	16784070322	18029071001	19869000175	19869052956	19869053512	19869053702	19869054313	22319076520	23601000729	23601023300	23601087502	25715067780	28785040520	32252003066	32671000504	33332012190	35515096586
15630004684	16042001201	16784069352	16784070332	18029071002	19869000176	19869052957	19869053513	19869053703	19869054314	22319076551	23601000761	23601023407	23601087600	25715067820	28785050040	32252003067	32671000505	33332012191	35515096587
15630004931	16042001203	16784069403	16784070342	18029071003	19869000177	19869052958	19869053514	19869053704	19869054315	22319076561	23601000761	23601023572	23601087601	25715067825	28785050041	32252003068	32671000506	33332022020	35515096929
15630004992	16042001204	16784069413	16784070352	18029071004	19869000178	19869052959	19869053515	19869053705	19869054316	22319076571	23601000773	23601031013	23601087602	25715067830	28785050820	32252003069	32671000507	33332022021	35515096931
15630004993	16042001271	16784069423	16784070362	18029072001	19869000179	19869052960	19869053516	19869053706	19869054317	22319076590	23601000805	23601031217	23601087603	25715067856	28785050900	32252003070	32671000508	33332022120	35515096932
15630004994	16042001272	16784069433	16784070372	18029072003	19869000180	19869052961	19869053517	19869053707	19869054533	22319076819	23601001221	23601032001	23601087900	25715067977	28785050911	32252003071	32671000509	33332022121	35515096983
15630004995	16042001273	16784069443	16784070383	18029078066	19869000181	19869052962	19869053518	19869053708	19869054534	22319076820	23601001222	23601033600	23601087901	25715068352	28785050920	32252003072	32671000510	33332013701	35515097002
15630004996	16042001274	16784069453	16784070393	18029078078	19869000182	19869052963	19869053519	19869053709	19869054543	22319076830	23601001223	23601036021	23601087902	25715069642	28785050925	32252003073	32671000511	33332013702	35515098260
15630004997	16042001297	16784069463	16784070403	18029079032	19869000183	19869052964	19869053520	19869053710	19869054544	22319076990	23601001333	23601040350	23601088000	25715071091	28785050932	32252003074	32671000512	33332013801	35515098263
15630004609	16042001307	16784069473	16784070413	18029079044	19869000184	19869052965	19869053521	19869053711	19869054545	22383025896	23601001335	23601043010	23601088001	25715090703	28785050934	32252003075	32671000513	33332013802	35515099148
156300048601	16042001333	16784069483	16784070423	18029079046	19869000185	19869052966	19869053522	19869053712	19869054546	22383057103	23601002650	23601044010	23601088100	25715094991	28785050935	32252003076	32671000514	33332013901	35515099149
15630008275	16042001339	16784069493	16784070433	18029079061	19869000186	19869052967	19869053523	19869053713	19869054547	22600003002	23601002651	23601045010	23601088101	25715098000	28785050955	32252003077	32671000515	33332013902	35515099150
15630008311	16042001340	16784069503	16784070443	18029080004	19869000187	19869052968	19869053524	19869053714	19869054548	22600040512	23601005144	23601045011	23601088102	25866056494	28785050965	32252003081	32671000516	33332013903	35515099151
15630008380	16054000022	16784069513	16784070453	18029080019	19869000192	19869052969	19869053525	19869053715	19869054549	22600040706	23601005175	23601045050	23601088400	25866056504	28785050971	32252003086	32671000517	33332013904	35515099152
15630008435	16140002007	16784069523	16784070463	18029080020	19869000193	19869052970	19869053526	19869053716	19869054550	22600040812	23601007300	23601045280	23601088402	26704031825	28785050977	32252006577	32671000518	33332013905	35515099153
15630008436	16169006050	16784069533	16784070473	18029080022	19869000194	19869052971	19869053527	19869053717	19869054551	22600040912	23601007400	23601045290	23601088500	26704032389	28785060110	32252011410	32671000519	33332013906	35515099154
15630008437	16169070050	16784069543	16784070482	18029080030	19869052774	19869052972	19869053528	19869053718	19869054560	22600062031	23601007360	23601045300	23601088501	26704038758	28785060115	32252011440	32671000520	33332014170	35664000173
15630008438	16169080050	16784069553	16784070492	18029080090	19869052775	19869052973	19869053529	19869053719	19869054561	22600063432	23601007460	23601045310	23601088502	26704055130	28785060118	32252011518	32671000521	33332014171	35664000231
15630008439	16169090050	16784069563	16784070502	18029080091	19869052887	19869052974	19869053530	19869053720	19869054562	22600069034	23601007612	23601045320	23601088503	26704061313	28785060119	32252011548	32671000522	33332014180	35664000269
15630008440	16500054298	16784069573	16784070512	18029080093	19869052888	19869052975	19869053536	19869053721	19869054563	22600090125	23601007810	23601045330	23601088910	2674062654	28785060750	32252013010	32671000534	33332014181	35664000879
15630008441	16714002801	16784069583	16784070522	18029081032	19869052889	19869052976	19869053537	19869053722	19869054564	22600090127	23601008210	23601045340	23601088912	27437002401	28785060910	32252013580	32671000535	33332014190	35664001052
15630008442	16714002825	16784069593	16784070532	18029081046	19869052890	19869052977	19869053538	19869053723	19869054565	23185002241	23601008250	23601045350	23734001108	27437002501	28785060950	32252013680	32671000802	33332014191	35664001310
15630008443	16714009810	16784069603	16784070542	18029081047	19869052899	19869052978	19869053539	19869053724	19869054566	23185005605	23601008570	23601045360	23734002108	27437002601	28785060970	32252013780	32671000803	33332014200	35664001428
15630008500	16714009812	16784069613	16784070563	18029081054	19869052900	19869052979	19869053540	19869053725	19869054567	23185006103	23601009510	23601045378	23734005108	27437004301	28785060980	32252017250	32671000804	33332014201	35664001940
15630008861	16714009901	16784069623	16784070582	18029081055	19869052901	19869052980	19869053540	19869053726	19869054568	23185006903	23601009520	23601045380	23734011308	28440070017	28785061000	32252017260	32671000805	33332014210	35664002089
15630008862	16729014101	16784069633	16784070612	18029082117	19869052902	19869052981	19869053549	19869053735	19869054632	23185008150	23601009750	23601045390	23734014108	28465001212	28785061021	32252017270	32671000806	33332014211	35664010303
15630008863	16729014116	16784069643	16784070622	18029083010	19869052903	19869052982	19869053550	19869053736	19869054633	23185011420	23601009760	23601046020	23734015001	28465001222	28785061302	32252017280	32671000901	33413000045	35664010480
15630882755	16729014201	16784069653	16784070643	18029084134	19869052904	19869052983	19869053551	19869053737	19869054634	23185014301	23601009770	23601046050	23734015051	28465001340	28785061400	32252017290	32671000902	33413000119	35664010481
15718010340	16729014216	16784069663	16784070653	18029084135	19869052905	19869052984	19869053555	19869053738	19869054635	23185014404	23601011000	23601046550	23734017108	28465001350	28785061421	32252017300	32671000903	33413000644	35664010482
15832002001	16784013403	16784069673	16784080913	18029086011	19869052906	19869052985	19869053556	19869053739	19869054636	23185014505	23601011100	23601047000	23734018108	28465001452	28785061601	32252017310	32671010531	33413000646	35664010490
15832002004	16784013413	16784069683	16784089043	18029086012	19869052911	19869052986	19869053556	19869053740	19869054637	23185014515	23601011300	23601048070	23734019108	28465001455	28785070750	32252017320	32671010532	33413000800	35664010781
15832002006	16784013423	16784069693	16784089043	18029086013	19869052912	19869052987	19869053557	19869053741	19869054638	23323001122	23601011400	23601049000	23734020108	28465001456	28785073000	32252017400	32671010534	33413003650	35664010782
15832002008	16784013433	16784069703	16784089133	18029086014	19869052913	19869052988	19869053569	19869053742	19869054639	23558067320	23601011520	23601049021	24208042801	28465001458	28785080051	32252017410	32671010535	33413004650	35664010837
15912010311	16784013463	16784069713	16784089213	18122022039	19869052914	19869052989	19869053660	19869054077	19869055433	23558067321	23601012010								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

35664015001	36000001394	36000016178	36000019381	36000021912	36000037420	36000043362	36000051357	36000055033	36652030418	37000026003	37000050585	37000082752	38396000425	38396033070	38396044464	38415030021	38472036905	38472044310	38472058451
35664015002	36000001400	36000016179	36000019468	36000022913	36000037431	36000043365	36000051358	36000055034	36800011595	37000026006	37000051308	37000082753	38396000506	38396034264	38396044564	38415030026	38472036906	38472044320	38472058452
35664015003	36000001409	36000016184	36000019469	36000022917	36000037431	36000043365	36000051357	36000055083	368000033102	37000026008	37000060148	37000082754	38396000606	38396034364	38396044664	38415030028	38472037230	38472044321	38472058453
35664015006	36000001850	36000016185	36000019477	36000022078	36000038529	36000043587	36000051412	36000055344	368000033109	37000026010	370000604113	37000082787	38396000706	38396034464	38396044764	38415030030	38472037231	38472044322	38472058454
35664015011	36000001925	36000016186	36000019478	36000022079	36000038530	36000043587	36000051413	36000055345	368000033409	37000026221	370000604153	37000082788	38396000806	38396034564	38396044864	38415040028	38472037232	38472044323	38472058455
35664015089	36000002095	36000016204	36000019483	36000022080	36000038531	36000043587	36000050210	36000055346	368000033410	37000026223	370000604156	37000082789	38396000906	38396034664	38396044964	38415042301	38472037233	38472044324	38472058456
35664015090	36000002301	36000016256	36000019484	36000022081	36000038532	36000043587	36000050210	36000055380	368000033411	37000026224	370000604197	37000082810	38396001012	38396034764	38396045064	38415042302	38472037649	38472044325	38472058457
35664015091	36000002700	36000016283	36000019529	36000022082	36000038533	36000043587	36000050215	36000055381	368000036740	37000026229	37000072827	37000086211	38396001118	38396040102	38396045064	38415042310	38472037650	38472044326	38472058461
35664015109	36000002780	36000016285	36000019559	36000022083	36000038534	36000043587	36000050241	36000055382	368000036741	37000026230	37000072829	37000086212	38396001202	38396040108	38396045102	38415042401	38472037651	38472044327	38472058462
35664015112	36000003000	36000016289	36000019564	36000022084	36000038535	36000043587	36000050248	36000055383	368000036742	37000026231	37000072830	37000086213	38396001252	38396040202	38396045164	38415042402	38472037652	38472044328	38472058463
35664015122	36000003004	36000016290	36000019566	36000022085	36000038536	36000043587	36000050514	36000055384	368000036743	37000026242	37000072935	37000086224	38396001317	38396040208	38396045202	38415042501	38472037653	38472044329	38472058464
35664015132	36000003010	36000016293	36000019568	36000022086	36000038515	36000043587	36000050514	36000055385	368000036744	37000026245	37000072936	37000086225	38396001402	38396040218	38396045302	38415042510	38472037654	38472044330	38472058465
35664015134	36000003014	36000016367	36000019570	36000022087	36000040531	36000045150	36000050261	36000055386	368000036745	37000026246	37000072938	37000086226	38396001517	38396040302	38396045402	38415051001	38472037655	38472044331	38472058466
35664015135	36000003021	36000016368	36000019575	36000022088	36000040532	36000045151	36000050293	36000055393	368000036746	37000026247	37000072939	37000086226	38396001517	38396040308	38396045532	38415051002	38472037656	38472044335	38472058467
35664015203	36000003023	36000016371	36000019586	36000022120	36000040533	36000045801	36000050294	36000055394	368000040636	37000026249	37000072940	37000086229	38396001761	38396040318	38396047001	38415051208	38472039377	38472044336	38472060021
35664015212	36000003028	36000016372	36000019598	36000022121	36000040534	36000045801	36000050295	36000055395	370000003311	37000026251	37000072978	37000086230	38396001762	38396040319	38396047002	38415060001	38472039378	38472044337	38472060022
35664015215	36000003050	36000016373	36000019600	36000022320	36000040653	36000046753	36000050299	36000055396	370000003311	37000026257	37000072979	37000086261	38396001912	38396040408	38396047202	38472029000	38472039379	38472044341	38472060023
35664015260	36000003120	36000016374	36000019601	36000022320	36000040656	36000046778	36000050519	36000055403	370000003312	37000026338	37000081038	37000086262	38396003020	38396040425	38396045011	38472031400	38472039380	38472044342	38472060024
35664015271	36000003127	36000016386	36000019624	36000022323	36000040674	36000047478	36000050521	36000055404	370000003321	37000026483	37000081876	37000086268	383960030218	38396040508	38396050132	38472032200	38472039381	38472044343	38472060025
35664015272	36000003202	36000016388	36000019640	36000022324	36000040685	36000047915	36000050522	36000055405	370000003322	37000026583	37000081880	37000086269	383960030220	38396040518	38396050175	38472032500	38472040650	38472044344	38472060026
35664015402	36000003204	36000016389	36000019643	36000022329	36000040689	36000047919	36000050523	36000055406	370000003323	37000026584	37000081883	37000086270	383960030225	38396040525	38396050192	38472032800	38472040651	38472044345	38472060027
35664015410	36000003206	36000016390	36000019696	36000022321	36000040695	36000047920	36000050524	36000055501	370000003325	37000026585	37000081884	37000086284	383960030240	38396040608	38396050232	38472035640	38472040652	38472044346	38472060031
35664015481	36000003341	36000016790	36000019880	36000022321	36000040696	36000047926	36000050525	36000055502	370000003326	37000026586	37000081888	37000086342	383960030300	38396040618	38396050275	38472035641	38472040653	38472044347	38472060032
35664017221	36000003347	36000016792	36000019906	36000022312	36000040704	36000047930	36000050526	36000055503	370000003327	37000026587	37000081889	37000086345	383960030318	38396040625	38396050332	38472035642	38472040679	38472044349	38472060033
35664017222	36000003365	36000016793	360000201023	36000022312	36000040706	36000047932	36000050527	36000055506	370000003328	37000026590	37000081893	37000086358	383960030320	38396040708	38396050375	38472035643	38472040680	38472044350	38472060034
35664017223	36000003800	36000016794	36000020104	360000225810	36000040741	36000047933	36000050528	36000055700	370000003334	37000026794	37000081894	37000086359	383960030325	38396040718	38396050432	38472035644	38472040681	38472044351	38472060035
35664019229	36000003900	36000016814	36000022102	360000225813	36000040754	36000048758	36000050524	36000055701	370000003335	37000026794	37000081898	37000086360	383960030400	38396040725	38396051075	38472035645	38472040701	38472044352	38472060036
35664019270	36000004001	36000016907	36000022101	360000229161	36000040764	36000048679	36000050572	36000055702	370000003337	37000026795	37000081899	37000086361	383960030418	38396040801	38396052175	38472035646	38472040702	38472044353	38472060037
35664019377	36000004008	36000016916	36000022102	360000229162	36000040765	36000048683	36000050573	36000055703	370000003340	37000026795	37000081899	37000086372	383960030420	38396040802	38396052275	38472035647	38472040703	38472044354	38472060040
35664019378	36000010544	36000018339	36000022103	36000030495	36000040767	36000050060	36000050524	36000055704	370000003345	37000026795	37000081894	37000086375	383960030500	38396040803	38396050476	38472035648	38472040705	38472044355	38472060042
35664019380	36000011067	36000018342	360000221104	36000030522	36000040798	36000050061	36000050524	36000055705	370000003346	37000028052	37000081941	37000087095	383960030505	38396040804	38396060118	38472035649	38472040706	38472044356	38472060043
35664019403	36000011407	36000018345	360000221105	36000030528	36000040799	36000050062	36000050523	36000055706	370000005079	37000028066	37000081946	37000088700	383960030514	38396040805	383960602102	38472035650	38472040713	38472044357	38472060044
35664019404	36000011464	36000018885	360000221106	36000030529	36000040808	36000050063	36000050524	36000055740	370000005486	37000028068	37000081950	37000088701	383960030520	38396040806	383960602103	38472035651	38472040714	38472044358	38472060045
35664019407	36000011465	36000018886	360000221107	36000030562	36000040809	36000050064	36000050524	36000055740	370000006430	37000028068	37000081951	37000088730	383960030522	38396040807	38396070118	38472035652	38472040715	38472044359	38472060046
35664019423	36000011467	36000018890	360000221108	36000030564	36000040813	36000050065	36000050524	36000055740	370000006431	37000028068	37000081951	37000088731	383960030525	38396040808	38396070218	38472035653	38472040716	38472044360	38472060047
35664019619	36000011956	36000018898	360000221109	36000030569	36000040814	36000050066	36000050524	36000055740	370000007038	37000028068	37000081956	37000088736	383960030527	38396040809	38396070237	38472035654	38472040717	38472044361	38472060048
35664021465	36000011957	36000018839	360000221110	36000030570	36000040815	36000050073	36000050524	36000055740	370000007080	37000028516	37000081962	37000088755	383960030530	38396040825	38396070264	38472035911	38472042050	38472045110	38472060052
35664021466	36000011958	36000018840	360000221111	36000030571	36000040816	36000050074	3600												

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

38472079314	38472079948	38703000281	38703002350	38703006090	38703084072	38779633902	38779674602	38779707001	38779733402	38779755301	38779782403	38779814801	38779870601	38779945001	38779990903	40565012059	41163041860	41163049734	41333062787
38472079315	38472079949	38703000415	38703002362	38703006150	38703084074	38779634001	38779674701	38779708001	38779733403	38779755302	38779782404	38779814802	38779870602	38779945011	38779998401	40565012061	41163042246	41163049736	41333062987
38472079316	38472079958	38703000420	38703002363	38703006270	38703084075	38779634002	38779674702	38779708002	38779733501	38779757301	38779782501	38779814803	38779870604	38779945201	40093010361	40565012262	41163042509	41163049737	41333063187
38472079317	38472079959	38703000421	38703002365	38703006350	38703084078	38779634101	38779674801	38779708101	38779733502	38779757501	38779782502	38779814804	38779871902	38779945300	40093010440	40565012263	41163042511	41163049738	41333063287
38472079323	38472079960	38703000423	38703002372	38703006370	38703084079	38779634102	38779674802	38779708102	38779733503	38779757502	38779782503	38779814901	38779876501	38779945301	40337000055	40565012264	41163042516	41163049739	41333063387
38472079325	38472079961	38703000424	38703002373	38703006950	38703084080	38779634201	38779674901	38779709501	38779733601	38779757601	38779782504	38779814902	38779877001	38779945402	40337000056	40565012274	41163042693	41163049783	41333063487
38472079326	38472079962	38703000425	38703002374	38703007200	38703084081	38779634202	38779674902	38779709601	38779733602	38779757602	38779782601	38779814903	38779877503	38779945403	40337000058	40565012275	41163042696	41163049784	41405133031
38472079327	38472079963	38703000426	38703002415	38703007250	38703084082	38779634301	38779675001	38779709701	38779733603	38779757702	38779782602	38779815001	38779881401	38779945404	40337000074	40565012276	41163042697	41163049785	41405133031
38472079328	38472080008	38703000427	38703002418	38703007550	38703084084	38779634302	38779675002	38779709801	38779734002	38779757702	38779782603	38779815002	38779890202	38779945405	40337000077	40565012267	41163043243	41163049786	41405133081
38472079329	38472080009	38703000435	38703002419	38703007610	38703091894	38779634401	38779675101	38779710601	38779734802	38779758501	38779782604	38779815003	38779890203	38779945503	40337000155	40565012468	41163043246	41163049787	41405133081
38472079380	38472080010	38703000436	38703002710	38703007710	38703091896	38779634402	38779675102	38779710602	38779734902	38779770101	38779782701	38779815101	38779907402	38779945505	40337000156	40565012469	41163044198	41163049802	41405133181
38472079381	38472080011	38703000437	38703002464	38703007810	38703092051	38779634501	38779675201	38779710703	38779735002	38779770301	38779782702	38779815102	38779914201	38779945506	40337000159	40565012476	41163044211	41163049816	41405133181
38472079382	38472080028	38703000438	38703002468	38703007910	38703092052	38779634502	38779675202	38779710704	38779735902	38779770302	38779782703	38779815103	38779914202	38779945602	40337000160	40565012477	41163044213	41163049817	41405133031
38472079383	38472080029	38703000445	38703002570	38703007920	38703093016	38779634601	38779675301	38779710705	38779735903	38779770401	38779782704	38779815201	38779914203	38779945603	40337000161	40565012478	41163044283	41163049818	41405133031
38472079384	38472080030	38703000450	38703002630	38703007970	38703093023	38779634602	38779675302	38779710802	38779736901	38779770402	38779782801	38779815202	38779917501	38779945604	40337000162	41163023022	41163044284	41163049850	41405133081
38472079396	38472080031	38703000459	38703002690	38703008000	38779574201	38779636301	38779675401	38779710803	38779736902	38779770801	38779782802	38779815203	38779924300	38779945605	40337000164	41163023051	41163044378	41163049816	41405133081
38472079404	38481000169	38703000500	38703002700	38703008020	38779574301	38779641001	38779675501	38779710804	38779737001	38779770802	38779782803	38779815301	38779925003	38779945703	40337000165	41163023053	41163044379	41163049805	41405133181
38472079407	384810111005	38703000502	38703002702	38703008030	38779574401	38779641002	38779675502	38779710805	38779737002	38779776301	38779782804	38779815302	38779925204	38779945705	40337000174	41163023057	41163044407	41167001704	41405133181
38472079415	38481030103	38703000523	38703002703	38703008040	38779574501	38779641003	38779675503	38779710901	38779737101	38779776302	38779782901	38779815303	38779939301	38779945707	40337000177	41163023061	41163044416	41167001710	41405530301
38472079528	38481030201	38703000540	38703002704	38703008310	38779576901	38779642001	38779676401	38779711501	38779737102	38779776401	38779782902	38779815403	38779939302	38779945803	40337000255	41163023083	41163044460	41167001735	41405530301
38472079529	38488000101	38703000550	38703003000	38703008333	38779577001	38779642002	38779676501	38779711503	38779737201	38779776902	38779782903	38779815402	38779939303	38779945804	40337000256	41163023085	41163045024	41167007800	41405530801
38472079540	38673000008	38703000558	38703003110	38703008800	38779577101	38779642003	38779676802	38779711503	38779737202	38779776903	38779782904	38779815403	38779939304	38779945805	40337000277	41163023205	41163045025	41167008045	41405530810
38472079541	38673000009	38703000559	38703003210	38703009010	38779577201	38779644001	38779676902	38779711801	38779737301	38779776904	38779783001	38779815501	38779939308	38779945806	40337000355	41163023210	41163045829	41167008046	41405531801
38472079542	38673000019	38703000560	38703003252	38703009100	38779578001	38779645001	38779676903	38779713401	38779737302	38779777201	38779783002	38779815502	38779939309	38779945807	40337000356	41163023214	41163045830	41220014072	41405531810
38472079543	38673000021	38703000565	38703003253	38703009202	38779578101	38779646001	38779677002	38779713501	38779737401	38779777202	38779783003	38779815503	38779939340	38779945901	40337000358	41163023341	41163046512	41220014074	41405530078
38472079544	38673000048	38703000644	38703003254	38703009502	38779578201	38779646702	38779677101	38779713601	38779737402	38779777801	38779783004	38779819001	38779939341	38779946003	40337000377	41163023342	41163046513	41220014080	41415002476
38472079545	38673001002	38703000646	38703003255	38703009503	38779578301	38779647901	38779677202	38779713701	38779737501	38779779001	38779783101	38779819002	38779939342	38779946004	40337000480	41163023343	41163046749	41220014082	41415002778
38472079546	38673001060	38703000661	38703003261	38703009504	38779580301	38779648001	38779677203	38779715101	38779737502	38779779401	38779783102	38779819101	38779939343	38779946005	40337000481	41163023344	41163046817	41220025474	41415006076
38472079589	38673001083	38703000751	38703003265	38703009800	38779580302	38779648101	38779677202	38779715101	38779737601	38779780701	38779783103	38779819102	38779939350	38779946006	40337000482	41163023403	41163046818	41220080044	41415006875
38472079590	38673001085	38703000807	38703003269	38703010000	38779590801	38779648201	38779677301	38779718501	38779737602	38779781301	38779783104	38779819201	38779939352	38779946103	40337000483	41163023404	41163047078	41220080937	41415028173
38472079591	38673001091	38703000901	38703003310	38703010020	38779590901	38779650301	38779677302	38779719101	38779737701	38779781302	38779783105	38779819202	38779939360	38779946104	40337000484	41163023425	41163047155	41220080937	41520000139
38472079592	38673001092	38703000915	38703003340	38703010030	38779591001	38779650401	38779677303	38779719301	38779737801	38779781303	38779783202	38779820901	38779939362	38779946105	40337000490	41163023426	41163047413	41250003693	41520000140
38472079593	38673001093	38703000939	38703003463	38703010040	38779591101	38779650501	38779677402	38779720601	38779737901	38779781304	38779783203	38779822301	38779939363	38779946106	40337000491	41163023371	41163047533	41250004081	41520000141
38472079594	38673001094	38703000951	38703003465	38703010050	38779594901	38779650601	38779677502	38779720703	38779738001	38779781401	38779783204	38779822302	38779939364	38779946204	40337000492	41163023811	41163048847	41250004082	41520001424
38472079595	38673001095	38703000952	38703003515	38703010070	38779594902	38779650701	38779677601	38779721601	38779742401	38779781402	38779783301	38779824701	38779939370	38779946203	40337000493	41163024460	41163048905	41250005646	41520000143
38472079604	38673001097	38703000958	38703003525	38703010080	38779595001	38779650801	38779677602	38779721602	38779743701	38779781403	38779783302	38779824803	38779939371	38779957102	40337000494	41163024462	41163048927	41250005687	41520000144
38472079605	38673001100	38703001000	38703003530	38703010100	38779595002	38779650901	38779677702	38779721603	38779743801	38779781404	38779783303	38779825803	38779939372	38779957401	40337000500	41163024463	41163048931	41250005688	41520004085
38472079616	38673001140	38703001030	38703003538	38703010110	38779595101	38779651001	38779677802	38779721604	38779743901	38779781501	38779783304</								

Page 11 of 78

Page 12 of 78

Page 13 of 78

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

50002086033	50419042401	50428032937	50428043940	50428165902	50428489366	50486008257	50632000759	51079074920	51131020369	51144000580	51927922000	52569013645	53483000807	53885099425	55283079600	56151171301	57513000603	57515009545	57599033901
50002086034	50428000769	50428033023	50428044193	50428176753	50428512508	50486008258	50632000760	51079092101	51131020370	51285020401	51927922900	52569013646	53483000814	54288124901	55283080000	56151172201	57513000604	57515009553	57599034001
50002086035	50428001771	50428033343	50428044394	50428176758	50428512509	50486008259	50632000761	51079092120	51131020381	51285078603	51927948000	52569013647	53483000500	54569145000	55283080400	56151172201	57513000605	57515009562	57599034304
50002086036	50428001772	50428033741	50428044458	50428186739	50428535872	50486008270	50632000762	51079092201	51131020391	51292000051	51927950200	52569013649	53483000502	54569158800	55283081000	56151172301	57513000606	57515009563	57599035101
50002086037	50428002097	50428033826	50428044528	50428186748	50428535875	50486008271	50632001001	51079092220	51131020396	51407008501	51927980900	52569013778	53483000503	54569229400	55283084901	56151173101	57513000607	57515009565	57599051200
50002086038	50428004449	50428033890	50428044593	50428193592	50428693861	50486008273	50632001001	51190000025	51131020401	51407008601	51927986100	52569013779	53483000506	54569250500	55283084903	56151173201	57513000608	57515009583	57599055201
50002086039	50428005683	50428033963	50428044564	50428201913	50428694965	50486008274	50633000008	51131000015	51131020812	51407008605	51921836302	52569013881	53553000505	54569263000	55283084905	56151173301	57513000609	57515009585	57599055201
50002086040	50428007741	50428034019	50428044583	50428203643	50428702514	50486008276	50716000524	51131000015	51131020814	51552034402	52181039103	52569013884	53599000000	54569387500	55283084907	56151195002	57513000610	57515017239	57599074501
50002086041	50428008199	50428034176	50428044590	50428203644	50428708884	50486008284	50716000526	51131000016	51131020815	51552035001	52181039302	52747051501	53599000019	54569392700	55283084909	56151210001	57513000611	57515017319	57599080200
50002086042	50428008592	50428034263	50428044619	50428207103	50428711508	50486008292	50716000544	51131000020	51131021000	51552035002	52181050812	52817060138	53599000107	54569405500	55283085000	56151210101	57513000612	57515017339	57599080300
50002086043	50428025044	50428034355	50428044628	50428714506	50486008296	50716000729	50716000729	51131000021	51131021002	51552042601	52181051514	52982000600	53858000610	54569405600	55283085100	56151210201	57513000613	57515017359	57599080901
50002086044	50428025183	50428034618	50428044637	50428207690	50428729759	50486008299	50803000218	51131000022	51131021140	51552063701	52308010602	52982000604	53858000611	54569411000	55283086501	56151210301	57513000614	57515017419	57599104104
50002086045	50428025522	50428034714	50428044638	50428209995	50428741730	50486008321	50868002025	51131000023	51131021205	51552063703	52308010704	52982000615	53858000612	54569434400	55283086502	56151210401	57513000627	57515017439	57599104205
50002086046	50428025526	50428034740	50428044639	50428210000	50428741738	50486008322	50924004301	51131001594	51131021509	51552105102	52308010806	53100001313	53858000613	54569481200	55520000107	56151211001	57513000628	57515017459	57599150201
50002086047	50428025544	50428034744	50428044691	50428211344	50428790289	50486008323	50924007920	51131008295	51131021577	51552117901	52308011566	53100003318	53858000614	54569496900	55520000108	56151211101	57513000629	57515018218	57599157701
50002086048	50428025609	50428034792	50428044692	50428211938	504287800231	50486008410	50924010310	51131008311	51131026555	51552117902	52308012598	53100044220	53858000810	54569497800	55520000109	56151211201	57513000630	57515018258	57599157904
50002086049	50428025691	50428035064	50428044737	50428212266	50428800824	50486008411	50924010910	51131018413	51131026660	51552117901	52308012630	53303000018	53858001110	54569518700	55520000110	56151211301	57513000631	57515019219	57599157501
50002086050	50428026012	50428035127	50428044861	50428212654	50428830873	50486008412	50924014510	51131019187	51131026661	51552117902	52308013044	53303000019	53858004401	54569526900	55520000111	56151211401	57513000633	57515019259	57599163001
50002086054	50428026075	50428035160	50428044905	50428212753	50428830966	50486008413	50924014630	51131019362	51131026692	51709000760	52308013103	53303000020	53858004501	54569531100	55520000112	56153000801	57513000634	57515019315	57599171402
500030027100	50428026559	50428035248	50428044971	50428216515	50428830973	50486008415	50924015210	51131019398	51131026304	51774097590	52308013426	53303000021	53858004601	54569540800	55520000115	56153000802	57513000635	57515019335	57599174010
50027049400	50428026608	50428035368	50428044917	50428217083	50428830970	50486009704	50924021807	51131019677	51131026206	51774097593	52308013435	53303000601	53858004610	54569548600	55520000116	56153000803	57513000636	57515019355	57599174102
50027049401	50428026675	50428035385	50428051703	50428235157	50428834806	50486009705	50924024748	51131019773	51131026219	51862027101	52308020290	53303007010	53858004701	54569556700	55520000127	56153000805	57513000637	57515020510	57599174401
50027049402	50428026679	50428035499	50428051790	50428235501	50428833861	50486009706	50924044461	51131019804	51131026413	51862027105	52308026318	53303007080	53858006150	54569557500	55520000128	56153000807	57513000638	57515020518	57599174504
50027049403	50428026937	50428035622	50428052255	50428235502	50428833862	50632000700	50924045001	51131019805	51131026414	51862027201	52308040835	53303010101	53858013610	54569557800	55520000136	56153000808	57513000639	57515044000	57599175405
50027049404	50428027051	50428036079	50428052685	50428241538	50428842938	50632000701	50924046706	51131019810	51131026415	51862027205	52308040905	53303014040	53858013920	54569562900	55520000150	56153000809	57513000640	57515044001	57599183201
50027049405	50428027053	50428036138	50428053253	50428242743	50428842939	50632000702	50924047701	51131019815	51131026419	51862027301	52308042039	53303014060	53858014020	54569563000	55520000151	56153000810	57513000641	57515063000	57599183501
50027049406	50428027356	50428036307	50428053560	50428251591	50428846338	50632000703	50924050401	51131019822	51131026420	51862027305	52308042049	53303014220	53858014110	54569568701	55520000152	56153000811	57513000645	57515063001	57599183601
50027049407	50428027470	50428036331	50428054144	50428258150	50428846338	50632000704	50924051310	51131019823	51131026424	51862027401	52308042202	53303014240	53858014201	54569570300	55520000153	56153000812	57513000646	57515063002	57599183601
50027049408	50428027642	50428036370	50428054214	50428263761	50428851553	50632000705	50924051510	51131019834	51131026425	51862027405	52308042902	53303014260	53858014301	54569598900	56091002435	56153000813	57513000647	57515063003	57599183601
50027049409	50428027661	50428036807	50428054587	50428265293	50428862232	50632000706	50924058510	51131019835	51131026434	51862090001	52308070606	53303014340	53858019401	54569602200	56091006931	56153000814	57513000648	57515063004	57599185601
50027049410	50428027662	50428037276	50428054607	50428268428	50428864471	50632000707	50924074310	51131019837	51131026435	51862090005	52308072010	53303014360	53858020801	54569603800	56091006993	56153000815	57513000649	57515063005	57599185701
50027049411	50428027692	50428037300	50428054726	50428268431	50428875727	50632000708	50924082810	51131019838	51131026528	51862090101	52308084500	53329045140	53858021101	54569623201	56151014101	56153000816	57513000650	57515063006	57599185801
50027049412	50428028129	50428037348	50428054928	50428268432	50428875733	50632000709	50924088401	51131019846	51131026624	51862090105	52422010050	53329045142	53858024450	54569623500	56151014201	56153000821	57513000651	57515063007	57599185901
50027049413	50428028145	50428037496	50428055096	50428271237	50428875746	50632000710	50924095120	51131019855	51131026626	51862090201	52422020025	53329056440	53858024510	54569624800	56151014260	56153000822	57513000652	57515063008	57599185901
50081000300	50428028264	50428037633	50428055114	50428276878	50428875747	50632000711	50924097110	51131020049	51131026668	51862090205	52422020050	53329056442	53858026701	54569638600	56151014401	56153000823	57513000653	57515063014	57599186205
50081000301	50428028309	50428037827	50428055604	50428278382	50428875952	50632000712	50924098101	51131020050	51131026675	51862090301	52422031601	53346000799	53858027025	54569644000	56151014402	56153000824	57515002543	57515071000	57599186206
50081000303	50428028392	50428037999	50428058421	50428289058	50428882127	50632000714	50924098850	51131020055	51131026677	51862090305	52422032401	53459000071	53858027101	54569644001	56151014701	56153000825	57515002563	57515071001	57599187301
50081000321	50428028595	50428038245	50428058468	50428298718	50428890257	50632000715	50924000206	51131020059	51131026675	51927078400	52422033401								

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

57629000420	58160097606	59519000222	60687042611	63323000131	65702071110	65781310610	67457038158	68455010186	68455010328	68455010422	68455010575	68455010656	68455011071	68455011488	68702062718	69809013005	70074054234	70074055661	7319002190
57629000421	58160097607	59627000013	60687042612	63323000132	65702071111	65781318110	67457040913	68455010187	68455010329	68455010423	68455010576	68455010657	68455011072	68455011489	68702062719	69809013006	70074054235	70074055662	7319002191
57629000422	58160097608	59627000014	60687042613	63323000133	65702071112	65781324210	67457041013	68455010188	68455010330	68455010424	68455010577	68455010658	68455011073	68455011490	68702062720	69809013007	70074054236	70074055663	7319002192
57660424188	58790000415	59676058015	60687054811	63323021003	65702071910	65781339610	67457088700	68455010189	68455010331	68455010433	68455010581	68455010659	68455011074	68455011572	68702063201	69938015111	70074054331	70074055667	7319002305
57660434588	58869011105	59707000100	60913000101	63323027205	65702072310	65781410610	67457088701	68455010190	68455010332	68455010434	68455010582	68455010660	68455011075	68455011177	68702063202	69967000201	70074054546	70074055669	7319002306
57660434713	59009000400	59707000101	60913000201	63323041003	65702072910	65781418110	67457088799	68455010191	68455010333	68455010437	68455010583	68455010661	68455011076	68455011178	68702063203	70000011201	70074054547	70074055671	7319002307
57660434788	59009000401	59707000102	60913000301	63323046901	65702073110	65781418210	67777012113	68455010192	68455010334	68455010438	68455010584	68455010662	68455011077	68455011183	68702063501	70030012854	70074054548	70074055673	7319002314
57825000501	59009000402	59707000103	60913000601	63323046905	65757030001	65781424010	67777012114	68455010194	68455010335	68455010439	68455010585	68455010663	68455011078	68455011185	68702063601	70030012855	70074054549	70074055675	7319002603
57845000601	59009000403	59707000104	60913000701	63323047101	65757040101	65781439602	67777012116	68455010195	68455010336	68455010440	68455010586	68455010664	68455011079	68455011188	68702063800	70030012856	70074054550	70074055677	7319002604
57879000308	59009000404	59707000105	60913000801	63323047105	65757040103	65781500610	68016016201	68455010196	68455010337	68455010441	68455010587	68455010665	68455011080	68455011292	68702064601	70030013488	70074054551	70074055679	7319002605
57879000361	59009000405	59707000106	60913000901	63323047141	65757040201	65781518210	68016023400	68455010197	68455010338	68455010442	68455010588	68455010666	68455011081	68455011293	68702064602	70030013489	70074054552	70074055681	7319002606
57879000362	59009000406	59707000107	60913001702	63323051102	65757040203	65781524010	68016023700	68455010198	68455010339	68455010443	68455010589	68455010671	68455011082	68455011294	68702064603	70030051167	70074054553	70074055683	7319002607
57950000600	59009000407	59707000108	60913001802	63323051103	65757040301	65781618210	68016029728	68455010199	68455010340	68455010444	68455010590	68455010689	68455011083	68455011295	68702066100	70030062392	70074054736	70074055685	7319002620
58160081001	59009000408	59707000109	60913001802	63323090390	65757040303	65781718210	68016030554	68455010200	68455010341	68455010445	68455010591	68455010690	68455011084	68455011296	68702066150	70030062393	70074054737	70074055687	7319002624
58160081011	59009000409	59707000112	61058002529	63323090490	65757040401	65781718310	68016030728	68455010201	68455010342	68455010446	68455010592	68455010694	68455011085	68455011297	68702067200	70030062394	70074054738	70074055689	7319002627
58160081043	59009000410	59707000119	61058002537	63323090590	65757040403	65781818210	68016037000	68455010202	68455010343	68455010447	68455010593	68455010695	68455011086	68455011298	68702067250	70069003003	70074054739	70074055691	7319002628
58160081052	59009000411	59707000120	61058002534	63323090690	65757050003	65781818410	68016037380	68455010203	68455010344	68455010448	68455010594	68455010696	68455011087	68455011299	68702067300	70069003105	70074054833	70074055693	7319002629
58160081143	59009000413	59707000125	61058025352	63323090790	65781000610	65840001801	68016073854	68455010204	68455010345	68455010449	68455010595	68455010702	68455011200	68455011206	68702067320	70069038110	70074054835	70074055695	7319002634
58160081152	59009000414	59707000130	61058025382	63323090890	65781005210	65862084401	68016090728	68455010205	68455010346	68455010450	68455010596	68455010703	68455011201	68455011279	68702067330	70069038310	70074054837	70074055697	7319002635
58160081201	59009000415	59707000150	61058025443	63323090991	65781009050	65862084501	68071133904	68455010206	68455010347	68455010451	68455010597	68455010707	68455011208	68455011260	68702067340	70069038405	70074054839	70074055699	7319002648
58160081211	59009000416	59707000152	61058602833	63347017001	65781009060	65862084601	68093000735	68455010207	68455010348	68455010452	68455010598	68455010708	68455011209	68455011307	68702067350	70074000083	70074054841	70074055701	7319002650
58160081243	59009000417	59707000155	61058602834	63361024310	65781009070	65862084605	68093000745	68455010208	68455010349	68455010453	68455010599	68455010709	68455011210	68455011302	68702067400	70074000152	70074054843	70074055703	7319002659
58160081252	59009000420	59707000156	61058602835	63361024315	65781009080	65862084701	68093000746	68455010209	68455010350	68455010454	68455010600	68455010710	68455011211	68455011305	68702067501	70074000153	70074054892	70074055705	7319002661
58160081505	59009000421	59707000165	61058602839	63361024358	65781012410	65973000142	68093000747	68455010210	68455010351	68455010477	68455010601	68455010711	68455011212	68455011319	68702067720	70074000154	70074054976	70074055707	7319002675
58160081534	59009000422	59707000166	61058602840	63361024388	65781014201	66004005501	68093000748	68455010211	68455010352	68455010482	68455010602	68455010712	68455011213	68455011320	68702067740	70074000155	70074055041	70074055710	7319002677
58160081543	59009000423	59707000170	61058602841	63517060001	65781014211	66004012104	68093000749	68455010212	68455010353	68455010483	68455010603	68455010713	68455011214	68455011317	68702067750	70074000156	70074055238	70074055712	7319002679
58160081552	59009000427	59707000171	61121000006	63629235901	65781014221	66004012205	68093000749	68455010213	68455010354	68455010484	68455010604	68455010714	68455011215	68599587710	68702067828	70074000159	70074055260	70074055714	7319002681
58160081811	59148001870	59707000172	61121000008	63629236001	65781014221	66004048718	680930007514	68455010214	68455010355	68455010486	68455010605	68455010715	68455011216	68599587810	68702067829	70074000227	70074055278	70074055716	7319002684
58160081912	59148001871	59762453001	61121000009	63629236101	65781014251	66004085004	680930007732	68455010215	68455010356	68455010487	68455010606	68455010716	68455011217	68702000350	68702067834	70074000228	70074055280	70074055718	7319002684
58160082043	59148001970	59762453002	61787044401	63629236201	65781014301	66004085105	68113011401	68455010216	68455010357	68455010488	68455010607	68455010717	68455011218	68702000352	68702067835	70074040086	70074055282	70074055720	7319002685
58160082052	59148001971	59762453802	61924025841	63736095202	65781014311	66004097309	68113099601	68455010217	68455010358	68455010489	68455010608	68455010718	68455011219	68702000353	68702067837	70074050072	70074055288	70074055722	7319002686
58160082101	59148004580	59779032304	61924025223	63736099202	65781014321	66004602801	68196893001	68455010218	68455010359	68455010490	68455010609	68455010719	68455011220	68702000355	68702067838	70074050080	70074055294	70074055724	7319002687
58160082111	59148007280	60000052650	61924025344	63851050102	65781014341	66004602909	68196893101	68455010219	68455010360	68455010491	68455010610	68455010720	68455011221	68702000357	68702067839	70074050082	70074055298	70074055726	7319002691
58160082143	59188000631	60000052651	61924025544	63868098903	65781014351	66004603004	68196893201	68455010220	68455010361	68455010492	68455010611	68455010731	68455011222	68702000361	68702067841	70074050090	70074055304	70074055891	7319002693
58160082151	59188000632	60000052652	61924025656	63943000012	65781021010	66004603105	68196893301	68455010221	68455010362	68455010493	68455010612	68455010761	68455011223	68702000365	68702068115	70074050092	70074055317	70074055842	7319002694
58160082152	59188000633	60000052653	61924025864	64011024301	65781021110	66004987401	68455010139	68455010222	68455010363	68455010496	68455010613	68455010761	68455011224	68702000366	68702068116	70074050100	70074055319	70074055942	7319002695
58160082311	59188000634	60000052654	61924027766	64011024702	65781021205	66019030401	68455010140	68455010236	68455010364	68455010497	68455010614	68455010762	68455011225	68702000367	68702068117	70074050102	70074055362	7319002700	7319002760
58160082501	59188000635	60000052655	61924028044	64011030103	65781021305	66019030410	68455010141	68455010237	68455010365	68455010498	68455010615	68455010766	68455011226	6					

Exhibit 20C Mississippi Division of Medicaid NDCs Excluded from Monthly Pharmacy Script Limits																											
70319003106	70461000201	70914003901	72217003902	73796026635	74676060111	76300031221	76300070501	76420070601	78742014625	80777027310	81131031171	82607053932	83490044080	84521001701	84521015678	84527000681	86227002110	86227099005	87701040366								
70319003111	70461000211	70914004000	72217004001	73796026652	74676060121	76300031222	76300070601	76420070725	78742023460	80777027315	81131031172	82607054105	83490044081	84521001770	84521015685	84527001501	86227002011	86227099015	87701040367								
70319003201	70461001803	70914004001	72217004002	73796026710	74676060131	76300031512	76300070701	76420070920	78742023461	80777027398	81131031173	82607054106	83490047004	84521001893	84521015692	84527001502	86227003011	86227099025	87701040368								
70319003209	70461001804	70914004020	72217004003	73796026725	74676060141	76300031612	76300071511	76420070925	78742025657	80777027399	81131031174	82607055611	83490047005	84521001923	84521015708	84527001503	86227010105	86227099035	87701040376								
70319003210	70461001903	71399202002	72217004004	73796026735	74676061011	76300031712	76300071512	76660000465	78742025659	81131000251	81131031175	82607055612	83490047006	84521002064	84521015715	84527002250	86227011155	86227099045	87701040377								
70319003211	70461001904	71399202001	72217004005	73796026742	74676061539	76300031812	76300071513	76660000866	78742025661	81131001544	81131031176	82607055613	83490051001	84521002132	84521015722	84527002252	86227012105	86227099055	87701040381								
70319003212	70461002003	71399202001	72217004006	73796026745	74676061549	76300032012	76300071514	76660030002	78742025663	81131001556	81131031177	82607055614	83490051002	84521002156	84521015739	84527002253	86227012155	86227099105	87701040386								
70319003213	70461002004	71399202003	72217004007	73796026760	74676061569	76300032112	76300072211	76660074064	78742025665	81131002313	81131031178	82607055615	83490051003	84521002207	84521016687	84527002254	86227012205	86227099115	87701040405								
70319003214	70461012002	71399968601	72217004008	73796026761	74676062011	76300032412	76300072212	76855070071	78742025671	81131002445	81131031179	82607055622	83490051023	84521002460	84521016693	85380005264	86227012605	86227099125	87701040463								
70319003220	70461012003	71483013004	72217004009	73796026785	74676062021	76300032512	76300072213	77890012583	78742025679	81131002449	81131038679	82607055625	83490051035	84521002692	84521016698	85467010190	86227013055	86679041536	87701040506								
70319003221	70461012004	71483013005	72217004010	73796026786	74676062111	76300032610	76300072214	77890012596	78742025570	81131002642	81131038680	82607055631	83490051037	84521002695	84521016709	85467010420	86227013085	86679041537	87701040507								
70319003222	70461012010	71483013006	72217004011	73796027104	74676062351	76300033210	76300072215	77890012597	78742025771	81131002643	81131038681	82607055715	83490051039	84521002736	84521019928	85467010500	86227018015	86679041538	87701040508								
70319003223	70461012011	71483014002	72217004012	73796027424	74676062712	76300033624	76300072216	77890016853	78742025772	81131002644	81131066523	82607055716	83490067802	84521004181	84521019935	85467010670	86227018155	86679041539	87701040509								
70319003229	70461012012	71483014003	72217004013	73796027604	74676063150	76300033624	76300072217	77890016862	78742025773	81131002709	81131066524	82607055729	83490067805	84521005848	84521023970	85467010690	86227018525	86679041540	87701040510								
70319003230	70461012103	71483014007	72217004014	73796027854	74676063370	763000336810	76300072218	77890016867	78742025774	81131002710	81131073156	82607055732	83490067822	84521005855	84521023987	85467010940	86227019015	86679041541	87701040519								
70319003231	70461012104	71483014008	72217004015	73796030263	74676063410	763000336910	76300072219	77890016879	78742025775	81131002716	81131073160	82607055732	83490067806	84521005856	84521023994	85467013022	86227020115	86679041542	87701040520								
70319003232	70461020101	71483014009	72275015104	73796032102	74676064111	76300037010	76300072220	77890016891	78742026442	81131002717	81131068640	82607055812	83490078012	84521005872	84521024007	85467013024	86227021155	86679041543	87701040574								
70319003233	70461020111	71483014020	72287041504	73796033026	74676064130	76300037110	76300072311	77890016890	78742033365	81131003414	81131068647	82607055813	83490078013	84521005891	84521024014	85467013162	86227021685	86679041544	87701040584								
70319003234	70461030110	71483014138	72380000000	73796033031	74676064140	76300037205	76300072312	77890016903	78742039269	81131003415	81131068648	82607055814	83490085007	84521005893	84521024479	85467013164	86227021755	86679041545	87701040655								
70319003240	70461030112	71483014148	72380000001	73796033514	74676064311	76300037310	76300072313	77890016906	78742039281	81131003416	81131068650	82607055815	83490085031	84521005933	84521024489	85467013192	86227020215	86679041546	87701040656								
70319003241	70461031803	71483014158	72380018303	73796039000	74676064321	76300037405	76300072314	77890016907	79573000916	81131003417	81131068653	82891021005	83490086001	84521005934	84521024496	85467013194	86227022155	86679041547	87701040682								
70319003242	70461031804	71691076226	72678000101	73796039150	74676064411	76300037710	76300072315	77890016909	79573001115	81131004088	81131089536	82891021010	83490086006	84521006439	84521024502	85467020420	86227023015	86679041548	87701040708								
70319003665	70461031903	71850182601	72786000501	73796041203	74676064551	76300037810	76300072316	77890016912	79573010003	81131004089	81131089538	82891021050	83490086008	84521006496	84521024516	85467024100	86227023155	86679041549	87701040888								
70319003666	70461031904	72140002070	72678000601	73796041205	74676064631	76300037905	76300072317	77890016915	79573010004	81131005540	81131089539	82891021054	83490086009	84521006525	84521024526	85467024160	86227020510	86679041550	87701041088								
70319002693	70461032003	72140009184	72721172505	737960405100	74676065030	76300038005	76300072318	77890016918	79573010021	81131005541	81131089540	82891021055	83490086011	84521006545	84521024533	85467024197	86227021555	86679041551	87701041298								
70319002716	70461032004	72140009185	72721175005	737960405122	74676065111	76300038110	76300072319	77890016919	79573010198	81131005542	81131089604	82891037200	83490086017	84521006870	84521024540	85467024350	86227025585	86679041552	87701041301								
70319002778	70461032103	721400009186	72721176005	737960405318	74676065181	76300038210	76300072320	77890016921	79573010293	81131005545	81131097214	82891038801	83490086019	84521006871	84521024557	85467024500	86227027055	86679040994	87701042616								
70319002123	70461032104	721400009189	72721177005	737960405325	74676065270	76300038310	76300072325	77890016924	795730																		

Exhibit 20C
Mississippi Division of Medicaid
NDCs Excluded from Monthly Pharmacy Script Limits

89126100101	89152028905	89152640201	90017057800	90891012709	90891024646	90891070614	91237000149	92293005999	92293011235	92293070110	92896000008	94030000234	94542051150	96295012084	96295013445	98302000187	98939000201
89126100201	89152029005	89152640401	90107098220	90891012713	90891024647	90891080000	91237000150	92293006000	92293011240	92293070118	92896000009	94030000235	94542085100	96295012085	96295013446	98302000190	98939000202
89126100301	89152029305	89152728705	90107098285	90891012717	90891024648	90891090024	91237000151	92293006001	92293011245	92293070172	92896000026	94030000237	94542085200	96295012086	96295013448	98302000191	98939000205
89126100401	89152029405	89152728805	90124000001	90891012718	90891024649	90891090025	91237000152	92293006002	92293011430	92293076180	93169000207	94030000238	94542085300	96295012087	96295013449	98302000192	98939000206
89126100501	89152029601	89152743501	90124000005	90891012719	90891024650	90891090026	91237000153	92293006003	92293011435	92293076181	93169000226	94030000240	94922020133	96295012088	96295013450	98302000193	98939000217
89126100601	89152029635	89152744401	90166001334	90891012720	90891024651	90891090027	91237000154	92293006004	92293011440	92293076320	93169000233	94030000241	94922020134	96295012112	96295013451	98302000194	98939000218
89126100701	89152027705	89152752605	90166005015	90891012804	90891024652	90891090028	91237000159	92293006005	92293012230	92293076321	93169000234	94030000242	94922068293	96295012113	96295013452	98302000198	98939000226
89126100801	89152028850	89155100201	90166005035	90891012819	90891024657	90891094552	91237000160	92293006006	92293012235	92293077180	93169000235	94030000268	94922068294	96295012114	96295013453	98302000199	98939000227
89126103525	89152028860	89155100401	90166005055	90891012824	90891024658	90891094553	91237000161	92293006007	92293012240	92293077181	93169000236	94030000269	95384000214	96295012115	96295013537	98302000200	98939000229
89126114010	89152028970	89155100601	90166005615	90891013050	90891024659	90891094578	91237000163	92293006009	92293012253	92293077320	93169000247	94030000270	96121000267	96295012127	96295013538	98302001407	98939000231
89126133525	89152028980	89155100801	90166005635	90891013077	90891024660	90891094579	91237000164	92293006010	92293012254	92293077321	93169000253	94030000271	96295004728	96295012151	96295013726	98302001420	98939000233
89128000101	89152139005	89155101001	90166005655	90891013080	90891024661	90891094580	91237000165	92293006012	92293012255	92293094399	93169000254	94030000272	96295010253	96295012154	96295013727	98302001421	98939000234
89128000201	89152168005	89155110201	90166010205	90891013100	90891024662	90891094602	91237000167	92293006013	92293012430	92293094400	93169000255	94030000279	96295010254	96295012159	96295013728	98302001422	98939000235
89128010001	89152168105	89155110401	90166011103	90891013150	90891024663	90891094603	91237000168	92293006014	92293012435	92293094401	93169000256	94030000280	96295010256	96295012184	96295013729	98302001424	98939000236
89128015001	89152168205	89155110601	90166012102	90891013151	90891024664	90891094604	91237000170	92293006016	92293012440	92293097610	93169000263	94030000281	96295010282	96295012187	96295013730	98302001430	98939000237
89129010001	89152168305	89155110801	90166012122	90891013155	90891024665	90891094605	91237000171	92293006017	92293012453	92293097611	93169000262	94030000282	96295010283	96295012206	96295013734	98302001431	98939000238
89129010001	89152172805	89155111101	90166012505	90891013158	90891024666	90891094606	91237000172	92293006018	92293012454	92293097630	93169000298	94030000283	96295010284	96295012207	96295013738	98302001432	98939000240
89134050202	89152172905	89155200201	90166012804	90891013200	90891024667	90891094607	91237000173	92293006019	92293012455	92293097631	93169000299	94030000286	96295010286	96295012208	96295013739	98302001433	98939000241
89134050302	89152254105	89155200401	90166013004	90891016000	90891024808	90891094704	91237000174	92293006020	92293020120	92293098009	93573090011	94030000287	96295010287	96295012209	96295013849	98302001434	98939000242
89134052602	89152281705	89155200601	90166013505	90891016111	90891024809	90891094705	91237000175	92293006022	92293020125	92293098010	93574000100	94030000291	96295010288	96295012210	96295013863	98302001435	98939000244
89134052702	89152281805	89155200801	90166013645	90891016112	90891024821	90891094706	91237000176	92293006060	92293020130	92293098016	93764000200	94030000292	96295010313	96295012211	96295013873	98302001480	98939000245
89134052802	89152281905	89155201001	90166015615	90891016113	90891024822	90891094707	91237000177	92293006061	92293020135	92293098018	93764001069	94030000294	96295010470	96295012300	96295013874	98302001511	98939000258
89134052902	89152282005	89155210201	90166015635	90891016115	90891024823	90891094761	91237000178	92293006085	92293020140	92293098026	93764001154	94060000100	96295010625	96295012301	96295013875	98302001391	98939000259
89134061802	89152282105	89155210401	90166015655	90891016117	90891025800	90891094762	91237000182	92293006300	92293020122	92293098032	93764004607	94060000101	96295010676	96295012302	96295013876	98302001392	98939000260
89134062002	89152282205	89155210601	90166020205	90891018416	90891025801	90891095064	91237000184	92293006301	92293021120	92293099010	93764010101	94060000102	96295010831	96295012329	96295013877	98302001393	98939000261
89134062202	89152282305	89155210801	90166022203	90891019001	90891025802	90891095065	91237000185	92293006342	92293021130	92293099016	93764010105	94060000103	96295010931	96295012336	96295013930	98302001393	98939000276
89134062501	89152282405	89155211001	90166023645	90891019003	90891025808	90891095066	91237000187	92293006343	92293021135	92293099026	93764020201	94060000104	96295011057	96295012337	96295013931	98302001392	98939000281
89134062601	89152282505	89155300001	90166025635	90891019004	90891025810	90891095067	91237000189	92293006344	92293021140	92293099032	93764020205	94060000105	96295011125	96295012432	96295013961	98302001393	99073011001
89134063002	89152282605	89155310001	90166030305	90891019005	90891026415	90891095068	91237000188	92293006345	92293022130	92293099044	93764022767	94060000106	96295011126	96295012446	96295038687	98302001394	99073011003
89134063102	89152282705	89155400001	90166031645	90891019006	90891026810	90891095069	91237000192	92293006346	92293022135	92532012247	93764030301	94060000107	96295011127	96295012475	96785000209	98302001395	99073011004
89134072202	89152282805	89155500101	90166033042	90891019007	90891030630	90891095070	91237000193	92293006347	92293022140	92532012248	93764030305	94060000108	96295011133	96295012621	96785000210	98302001396	99073012050
89134072402	89152283005	89155500201	90166033305	90891019008	90891030120	90891095071	91237000194	92293006348	92293022153	92532012249	93764030309	94060000109	96295011166	96295012695	96785000211	98302001397	99073012051
89134072602	89152283105	89155500301	90166043152	90891020010	90891030124	90891095076	91268077004	92293006349	92293022154	92532012253	93764060021	94060000110	96295011167	96295012914	96785000212	98302001398	99073012101
89134072702	89152283205	89155500401	90166043154	90891020015	90891030132	90891095077	91531000004	92293006350	92293022155	92532012254	93764060047	94060000111	96295011169	96295012915	96785000239	98302001399	99073012401
89134072802	89152283305	89155800060	90166045035	90891020016	90891040903	90891095078	91531000011	92293006351	92293030125	92532013163	93764060048	94060000112	96295011171	96295012916	96785000240	98302001394	99073012450
89134072902	89152283405	89155800090	90166045635	90891020018	90891050009	90891095079	91984000140	92293006355	92293030130	92532013164	93764060056	94060000113	96295011218	96295012917	97037000107	98302001394	99073013001
89134074002	89152283505	89155800080	90166056505	90891020030	90891050001	90891095080	91984000141	92293006356	92293030135	92532013165	93764060062	94060000116	96295011237	96295012921	98302000100	98302001394	99073013022
89134074202	89152283605	89155800090	90166068001	90891020176	90891050002	90891095081	91984000142	92293006357	92293030140	92532013166	93764060106	94060000117	96295011238	96295012927	98302000102	98302001407	99073014002
89134074402	89152338005	89155801200	90166063132	90891020177	90891050003	90891095082	91984000143	92293006358	92293031125	92532013167	93764060107	94060000118	96295011239	96295012930	98302000103	98302001408	99073017001
89134075802	89152391205	89155801290	90166066605	90891020178	90891050016	90891095083	91984000144	92293006360	92293031130	92532013168	93764060108	94060000119	96295011240	96295012931	98302000104	98302001409	99073004101
89134310401	89152417205	89158500400	90166083152	90891020198	90891050017	91237000103	92121003206	92293006370	92293031135	92532013171	93764060137	94060000124	96295011241	96295013010	98302000105	98302001402	99073042001
89134320801	89152417305	89158500490	90166085015	90891020205	90891050025	91237000105	92121003359	92293006380	92293031140	92532013172	93764060138	9406000012					



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

December 16, 2022

Jennifer Wentworth
Special Projects Admin, Accounting
Mississippi Office of the Governor, Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: MississippiCAN Capitation Risk Adjustment – Q1 to Q2 2023 Prospective Payments

Dear Jennifer:

Milliman and the Mississippi Division of Medicaid (DOM) developed regional capitation rates for MississippiCAN-eligible members for state fiscal year (SFY) 2023. A separately provided report¹ documents the development of MississippiCAN capitation rates for SFY 2023. As summarized by Table 1, we risk adjust the MississippiCAN rate cells with credible populations and a significant variance in anticipated acuity within the population. Within these rate cells, we apply risk adjustment to estimate acuity differences between the enrolled populations of each Coordinated Care Organization (CCO) by region.

Table 1 SFY 2023 MississippiCAN Risk Adjustment Application of Risk Adjustment by Rate Cell	
Risk Adjusted	Not Risk Adjusted
Non-Newborn SSI / Disabled	Breast and Cervical Cancer
MA Adult	SSI / Disabled Newborns
MA Children	Non-SSI Newborns Ages 0 to 2 Months
Quasi-CHIP	Non-SSI Newborns Ages 3 to 12 Months
Foster Care	Pregnant Women
	MYPAC

This letter documents the results and methodology used to develop the budget neutral risk scores effective January 1, 2023 through June 30, 2023 (Q1 to Q2 2023) for each CCO for the applicable rate cells shown in Table 1. Additionally, this letter describes how the risk scores should be applied to the capitation rates for SFY 2023. Risk scores for July through December 2022 (Q3 to Q4 2022) were provided in a separate letter in June 2022².

Similar to Q3 to Q4 2022 risk scores we did not make any adjustments to our risk adjustment methodology, despite the decrease in diagnoses recorded due to the COVID-19 pandemic occurring during the diagnosis period. We reviewed the change in plan-level risk scores during the COVID-19 pandemic on a budget neutral basis and observed changes consistent with the magnitude in a typical update. Based on this review we determined that no change in methodology is necessary.

As described in greater detail below, we develop Q1 to Q2 2023 risk scores using the enrollment mix for each CCO as of September 2022. Starting June 2021, DOM began transitioning MississippiCAN members who would have lost Medicaid eligibility prior to the COVID-19 public health emergency (PHE) into FFS. This rapid decrease in MississippiCAN enrollment along with uncertainty surrounding the end date for the PHE may result in the actual enrollment mix in Q1 to Q2 2023 for each CCO being much different than the assumed mix based on September 2022 enrollment. Thus, Milliman will consider an update to Q1 to Q2 2023 risk scores, once that period has concluded using actual enrollment mix in that period. Risk score calculations for each member would not differ from those calculated in this letter, but risk scores for each CCO would be recalculated using the actual mix of enrollees during the Q1 to Q2 2023 period.

¹ "Report13 - SFY 2023 Preliminary MississippiCAN Rate Calculation and Certification.pdf," dated September 14, 2022.

² "Wentworth06 - Q3 to Q4 2022 MississippiCAN Risk Adjustment.pdf," dated June 17, 2022.



Please note, the Foster Care risk scores issued in this report are preliminary estimates and will be trued up to actual enrollment retrospectively. The time periods involved in truing up Foster Care risk adjustment are described in greater detail below.

RESULTS AND COMMENTS

Table 2 shows the regional member months and budget-neutral risk scores for each risk adjusted rate cell. Exhibits 1A through 1E contain additional detail of the membership and risk scores for each rate cell, region, and CCO, separately for scored and unscored members (if applicable). Risk scores for Q1 to Q2 2023 were developed using:

- Diagnosis Period: Medical and drug diagnosis information from encounter and FFS claims incurred during June 2021 to May 2022 with runout through September 5, 2022.
- Enrollment Snapshot: Demographic and enrollment information from September 2022.

Ordinarily, we would select a diagnosis period of SFY 2022 (July 2021 to June 2022) and an enrollment snapshot of October 2022 for Q1 to Q2 2023 risks scores. However, DOM changed MMIS vendor in October 2022 and validated data processed after the MMIS transition is not yet available. Therefore, we elected to shift both our enrollment snapshot and diagnosis period back by one month, to the periods listed above.

Only MississippiCAN-eligible members enrolled in a CCO in September 2022 were considered in this analysis. Risk scores are assigned to individuals using the following data.

- Foster Care: Foster Care individual risk scores are developed using information related to their federal or state cash assistance status, as found in the enrollment snapshot, which is highly correlated to their living arrangement, and therefore, their service costs. No other information, such as age, gender, or diagnostic data, is used to develop their risk scores.
- All other rate cells:
 - Scored Individuals: For individuals with at least six months of eligibility in the diagnosis period, their risk score is developed using both demographic and diagnostic information. In addition, for some populations a variable based upon the length of enrollment during the diagnostic period is included in the risk score calculation.
 - Unscored Individuals: For individuals with less than six months of eligibility in the diagnosis period, their risk score is developed solely from demographic information in the enrollment snapshot.

Table 2
SFY 2023 MississippiCAN Risk Adjustment
Q1 to Q2 2023 Prospective Risk Scores
Based on June 2021 to May 2022 Diagnosis Period

Rate Cell	CCO	North		Central		South	
		Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score	Total Member Months	Budget Neutral Risk Score
Non-Newborn SSI / Disabled	Magnolia	9,880	1.001	10,790	1.025	7,482	1.032
Non-Newborn SSI / Disabled	Molina	2,353	0.980	2,631	0.994	2,327	0.962
Non-Newborn SSI / Disabled	United	8,103	1.004	8,354	0.969	7,680	0.981
MA Adult	Magnolia	3,682	1.017	4,182	1.008	5,110	1.011
MA Adult	Molina	2,291	0.958	2,904	0.954	4,225	0.957
MA Adult	United	3,427	1.010	3,997	1.024	6,212	1.020
MA Children	Magnolia	23,911	1.002	28,807	1.011	29,648	1.004
MA Children	Molina	10,611	0.951	13,762	0.945	17,469	0.938
MA Children	United	22,056	1.022	25,671	1.018	32,221	1.030
Quasi-CHIP	Magnolia	2,881	0.970	3,422	0.982	2,770	0.973
Quasi-CHIP	Molina	1,239	0.996	1,359	0.990	1,458	0.951
Quasi-CHIP	United	3,028	1.030	3,298	1.023	3,499	1.042
Foster Care	Magnolia	1,326	0.917	1,352	0.934	1,918	0.910
Foster Care	Molina	253	1.280	286	1.221	419	1.271
Foster Care	United	471	1.082	402	1.064	641	1.092



A limited number of individuals have the option of opting out of the MississippiCAN program, including disabled children, members of the Mississippi Band of Choctaw Indians, and SSI members age 65 or older. This population is a small portion of the total Medicaid population and has been stable for several years. Capitation rates for SFY 2023 for all rate cells, including those that are risk adjusted, were developed on a 1.00 risk score basis using only MississippiCAN enrolled members, and no adjustment is made in risk scores for the opt-out population.

Risk Score Changes

The prior release of risk scores included prospective budget-neutral risk scores for Q3 to Q4 2022. These risk scores were based on April 2022 enrollment and diagnoses from CY 2021 with runout through April 2022. Changes in budget-neutral plan risk scores between the Q3 to Q4 2022 risk scores and the Q1 to Q2 2023 risk scores presented in this letter are driven by updated diagnosis information and enrollment changes.

Table 3 shows the statewide budget-neutral risk score change for each rate cell relative to the prior release. These statewide values are not adjusted for differences in capitation rates across regions. As a result, actual statewide CCO revenue impacts may vary slightly from the changes listed in the last column.

- For this risk score iteration, we observe larger changes for the Quasi-CHIP population, particularly for Molina, as a result of changes in the diagnosis period.
- The significant changes in the Foster Care rate cell are driven by a change in the enrollment practices for this population over time and is the reason that Foster Care risk scores will be retrospectively adjusted for actual enrollment.

Table 3 SFY 2023 MississippiCAN Risk Adjustment Changes in Statewide Budget Neutral Risk Score Q3 to Q4 2022 vs. Q1 to Q2 2023				
Cohort	Risk Scores: Enrollment: Diagnosis Period:	Q3 to Q4 2022 April 2022 SFY 2021	Q1 to Q2 2023 September 2022 June 2021 to May 2022	% Change
Non-Newborn SSI / Disabled	Magnolia	1.020	1.019	-0.17%
Non-Newborn SSI / Disabled	Molina	0.984	0.979	-0.48%
Non-Newborn SSI / Disabled	United	0.981	0.985	0.39%
MA Adult	Magnolia	1.019	1.012	-0.71%
MA Adult	Molina	0.952	0.956	0.45%
MA Adult	United	1.015	1.019	0.38%
MA Children	Magnolia	1.008	1.006	-0.24%
MA Children	Molina	0.934	0.944	0.99%
MA Children	United	1.025	1.024	-0.13%
Quasi-CHIP	Magnolia	0.987	0.976	-1.12%
Quasi-CHIP	Molina	0.956	0.978	2.27%
Quasi-CHIP	United	1.030	1.032	0.15%
Foster Care	Magnolia	0.933	0.919	-1.49%
Foster Care	Molina	1.268	1.258	-0.79%
Foster Care	United	1.059	1.082	2.11%

Exhibit 2 allocates the change in risk scores between the prior release³ and this letter into various components by population.

- Column A: Shows the risk scores provided in the prior risk score deliverable.
- Column B: Restates the risk scores shown in Column A with additional data runout.

³ "Wentworth06 - Q3 to Q4 2022 MississippiCAN Risk Adjustment.pdf," dated June 17, 2022.



- Column C: Updates the risk scores shown in Column B with an updated diagnosis period.
- Column D: Updates the risk scores shown in Column C with an updated enrollment period. This column contains the final risk scores for this release.

Exhibits 2B, 2D, 2F, and 2H are on a budget-neutral basis, while the other exhibits show the change in unadjusted risk scores. The Foster Care rate cell is not shown in Exhibit 2 since the risk score for the Foster Care rate cell does not use a diagnosis period, and thus, all risk score variations are attributable to enrollment changes.

Table 4 shows the percentage of members who are scored in this release and the prior release. As the risk adjustment methodology for the Foster Care rate cell does not depend on diagnosis data, the scored / unscored classification of members does not apply to Foster Care; every Foster Care member receives a risk score. Thus, we omitted Foster Care from Table 4.

Table 4 SFY 2023 MississippiCAN Risk Adjustment Scored Percentages				
	Magnolia	Molina	United	Total
Non-Newborn SSI / Disabled				
Q3 to Q4 2022	99%	97%	99%	99%
Q1 to Q2 2023	99%	97%	99%	99%
MA Adult				
Q3 to Q4 2022	94%	93%	93%	93%
Q1 to Q2 2023	94%	92%	94%	93%
MA Children				
Q3 to Q4 2022	98%	97%	98%	98%
Q1 to Q2 2023	98%	97%	98%	98%
Quasi-CHIP				
Q3 to Q4 2022	99%	97%	98%	98%
Q1 to Q2 2023	99%	96%	98%	98%

Detailed Prevalence Reports

Exhibit 3 provides detailed prevalence reports supporting each CCO's population and risk score calculation. Detailed exhibits are provided for each rate cell and region. Table 5 lists the exhibit associated with each rate cell and region combination. Note, a single exhibit is provided for the Foster Care rate cell.

Table 5 SFY 2023 MississippiCAN Risk Adjustment Index of Detailed Prevalence Report Exhibits			
Population	Region		
	North	Central	South
Non-Newborn SSI / Disabled	3A	3B	3C
MA Adult	3D	3E	3F
MA Children	3G	3H	3I
Quasi-CHIP	3J	3K	3L
Foster Care	3M	3M	3M

The prevalence reports in Exhibit 3 include the member counts associated with each CCO, the unadjusted plan factor, and the budget-neutral plan factor. Within each prevalence report, the following information can be found for each CCO's population, when applicable:

- Scored Members
 - MississippiCAN-specific CDPS + Rx cost weights
 - Count of members falling into each demographic category



- Count of members falling into each durational category
- Disease category prevalence
- Count of members not assigned to a CDPS + Rx category
- **Unscored Members**
 - MississippiCAN-specific demographic only cost weights
 - Count of members falling into each demographic category
- **Risk Adjustment Results**
 - Calculation of budget neutral risk score for scored and unscored members and in total

Additionally, the detailed prevalence reports include the disease impact rank for each rate cell, region, and CCO, if applicable. The disease impact rank is a measure of the significance of specific disease conditions in the risk adjustment process and identifies the diseases with the greatest impact on risk scores for scored individuals. The disease impact for each condition is calculated as the product of the associated cost weight and the prevalence of the condition within each population. Conditions are ordered from highest to lowest disease impact to determine the disease impact rank for each condition.

Table 6 shows the top five conditions by disease impact for each eligibility group using diagnostic information on a statewide basis across all CCOs. The disease impact ranks vary by CCO and region and are included in Exhibits 3A to 3L. There is no disease impact ranking provided for the Foster Care rate cell since risk scores for that population do not utilize diagnostic information.

Table 6
SFY 2023 MississippiCAN Risk Adjustment
Q1 to Q2 2023 Prospective Risk Scores – Conditions with the Top Five Disease Impacts
Statewide Results

Rank	Non-Newborn SSI / Disabled	MA Adult	MA Children	Quasi-CHIP
1	Psychiatric, medium low to medium	Skeletal, very low to low	Psychiatric, medium low	Psychiatric, medium low
2	Cardiovascular, medium	Psychiatric, medium low	Pulmonary, low to medium	Pulmonary, low to medium
3	Psychiatric, high	Pregnancy, incomplete	Cardiovascular, extra low to low	Cardiovascular, extra low to low
4	AIDS, high	Psychiatric, low	Gastro, low	Psychiatric, low
5	CNS, low	Cardiovascular, extra low	Psychiatric, medium	Psychiatric, medium

Member-Level Risk Scores

Text files providing member-level demographic, duration, and diagnosis information have been provided to DOM for distribution with this letter to each CCO.

For each CCO, multiple extracts are provided. For each of the Non-Newborn SSI / Disabled, MA Adult, and children (i.e., MA Children and Quasi-CHIP) populations, there are two extracts:

- The “scored” extract provides detailed demographic, durational, and diagnostic information for each member
- The “unscored” extract provides only demographic information for each member

A separate extract is provided for each CCO for members in Foster Care, listing the enrollment information used for calculating risk scores for that population. A data dictionary is included with the extracts.

METHODOLOGY

Please see the following letters for information on the data, methodology, and prediction metrics associated with the customized risk models used in this analysis:

- **Non-Newborn SSI / Disabled and MA Children / Quasi-CHIP** – “Clark07 - MSCAN Risk Weight Development.pdf,” dated June 25, 2019. This letter includes risk score information for the MA Adult rate cell. However, that information is superseded by the letter listed below.



- **MA Adult** – “Clark14 - MSCAN Risk Weight Development.pdf,” dated June 8, 2020.
- **Foster Care** – “Clark17 - Risk Adjustment Methodology for Foster Care Rate Cell.pdf,” dated June 18, 2020.

Exhibits 4A to 4C display the cost weights used for the Non-Newborn SSI / Disabled, MA Adult, and MA Children / Quasi-CHIP populations, and a mapping from the standard CDPS + Rx diagnostic buckets to those used for the MississippiCAN populations. Cost weights for the Foster Care rate cell are shown on Exhibit 3M.

APPLICATION OF RISK SCORES

When applying the risk scores in this letter, the following formula should be used:

$$CCO \text{ Capitation Rate} = \text{Base Capitation Rate} \times CCO \text{ Budget Neutral Risk Score}$$

The CCO normalized risk factors are shown on Exhibit 1. Risk adjustment will be applied to the capitation rates prior to the following directed payments, all of which are not risk adjusted.

- Mississippi Hospital Access Program (MHAP)
- Mississippi Medicaid Access to Physician Services (MAPS)
- Transforming Reimbursement for Emergency Ambulance Transportation (TREAT)

Exhibits 5A through 5C provide illustrative examples of how the risk scores documented in this letter should be applied to the base capitation rates as summarized in Exhibit 5 of the capitation rate report. This methodology should be applied to the actual capitation amounts for each rate cell, region, and time period.

Next Steps – Foster Care Population

The above tables and attached exhibits contain preliminary risk scores for the Foster Care rate cell. These risk scores have been developed using the same enrollment period as the other rate cells. To calculate final risk scores for the Foster Care rate cell, we require actual enrollment from the risk adjusted period, and thus these risk scores must be calculated after the risk adjusted period has elapsed.

Table 7 summarizes the rating periods for SFY 2023 and when we anticipate providing each risk score update for the Foster Care rate cell. Notably, we plan to provide final Foster Care risk scores for the Q3 to Q4 2022 period in the spring of 2023 and final risk scores for the Q1 to Q2 2023 period in the fall of 2023. The exact timing is to be determined depending on how quickly we are able to validate and use claims and enrollment data after the MMIS transition.

Table 7 SFY 2023 MississippiCAN Risk Adjustment Foster Care Risk Adjustment Periods		
Rating Period	Preliminary Risk Score Release Date	Final Risk Score Release Date
Q3 to Q4 2022	June 2022	Spring 2023
Q1 to Q2 2023	December 2022	Fall 2023

CAVEATS AND LIMITATIONS ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q1 to Q2 2023 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).



Jennifer Wentworth
Mississippi Office of the Governor, Division of Medicaid
December 16, 2022
Page 7 of 7

The models rely on data and information as input to the models. We used CCO encounters, FFS claims, and eligibility data from January 2021 to September 2022 with runout through September 5, 2022 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q1 to Q2 2023 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2023 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Consulting Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.

The terms of Milliman's contract with DOM effective September 1, 2022, apply to this letter and its use.



Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink that reads "Jill Bruckert".

Jill A. Bruckert, FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/db

Attachments

A handwritten signature in black ink that reads "Katarina Lorenz".

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary



EXHIBITS

Exhibit 1A
Mississippi Division of Medicaid
Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region						
	Scored Members			Unscored Members		
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score
Magnolia	9,790	0.994	1.001	90	1.017	1.007
Molina	2,287	0.974	0.981	66	0.982	0.973
United	8,003	0.997	1.004	100	1.022	1.012
Total	20,080	0.993	1.000	256	1.010	1.000

Central Region						
	Scored Members			Unscored Members		
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score
Magnolia	10,724	1.088	1.025	66	1.034	1.017
Molina	2,553	1.054	0.994	78	1.009	0.993
United	8,276	1.028	0.969	78	1.009	0.993
Total	21,553	1.061	1.000	222	1.016	1.000

South Region						
	Scored Members			Unscored Members		
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score
Magnolia	7,392	1.151	1.032	90	1.003	0.977
Molina	2,249	1.072	0.961	78	1.022	0.996
United	7,568	1.093	0.980	112	1.048	1.021
Total	17,209	1.115	1.000	280	1.026	1.000

Exhibit 1B
Mississippi Division of Medicaid
MA Adult Risk Score Adjustment Summary - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	3,427	1.030	1.018	255	0.994	0.995	1.017
Molina	2,056	0.964	0.954	235	0.994	0.995	0.958
United	3,161	1.021	1.010	266	1.008	1.009	1.010
Total	8,644	1.011	1.000	756	0.999	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	3,914	1.019	1.009	268	0.987	0.996	1.008
Molina	2,644	0.958	0.949	260	0.995	1.003	0.954
United	3,710	1.036	1.026	287	0.992	1.001	1.024
Total	10,268	1.010	1.000	815	0.991	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	4,828	1.054	1.011	282	0.990	1.000	1.011
Molina	3,986	0.994	0.954	239	1.002	1.013	0.957
United	5,894	1.065	1.022	318	0.979	0.990	1.020
Total	14,708	1.042	1.000	839	0.989	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	23,422	1.032	1.002	489	1.004	1.006	1.002
Molina	10,177	0.978	0.949	434	0.990	0.992	0.951
United	21,503	1.054	1.023	553	0.999	1.001	1.022
Total	55,102	1.030	1.000	1,476	0.998	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	28,381	1.036	1.011	426	0.983	0.987	1.011
Molina	13,284	0.966	0.942	478	1.011	1.015	0.945
United	25,184	1.044	1.018	487	0.992	0.997	1.018
Total	66,849	1.025	1.000	1,391	0.995	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score	Budget Neutral Risk Score
CCO							
Magnolia	29,123	1.048	1.004	525	0.991	1.000	1.004
Molina	16,947	0.978	0.937	522	0.991	1.001	0.938
United	31,587	1.076	1.031	634	0.990	0.999	1.030
Total	77,657	1.044	1.000	1,681	0.991	1.000	1.000

Exhibit 1D

Mississippi Division of Medicaid

Quasi-CHIP Risk Score Adjustment Summary - Q1 to Q2 2023 Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	2,839	1.050	0.970	42	1.025	0.988	0.970
Molina	1,200	1.079	0.997	39	1.015	0.978	0.996
United	2,969	1.116	1.030	59	1.062	1.023	1.030
Total	7,008	1.083	1.000	140	1.038	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,372	1.032	0.982	50	1.037	0.998	0.982
Molina	1,302	1.041	0.990	57	1.047	1.007	0.990
United	3,255	1.076	1.023	43	1.032	0.993	1.023
Total	7,929	1.052	1.000	150	1.039	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	2,733	1.096	0.973	37	1.045	1.017	0.973
Molina	1,409	1.069	0.949	49	1.053	1.025	0.951
United	3,447	1.175	1.043	52	0.991	0.965	1.042
Total	7,589	1.127	1.000	138	1.027	1.000	1.000

Exhibit 1E
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q1 to Q2 2023 Risk Scores
September 2022 Snapshot Period

North Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,326	0.729	0.917
Molina	253	1.017	1.280
United	471	0.860	1.082
Total	2,050	0.795	1.000
Central Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,352	0.819	0.934
Molina	286	1.070	1.221
United	402	0.932	1.064
Total	2,040	0.876	1.000
South Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,918	0.733	0.910
Molina	419	1.023	1.271
United	641	0.879	1.092
Total	2,978	0.805	1.000

Exhibit 2A

Mississippi Division of Medicaid

Impact Analysis Non-Newborn SSI / Disabled Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	0.992	0.991	1.014	0.994	-0.1%	2.3%	-1.9%	0.2%
Molina	0.990	0.990	1.011	0.974	0.0%	2.1%	-3.7%	-1.6%
United	0.993	0.994	1.023	0.997	0.1%	2.9%	-2.6%	0.4%
Unscored Members								
Magnolia	1.046	1.042	1.078	1.017	-0.3%	3.4%	-5.7%	-2.8%
Molina	1.050	1.050	1.033	0.982	0.0%	-1.6%	-4.9%	-6.4%
United	1.013	1.019	1.108	1.022	0.5%	8.8%	-7.8%	0.8%
All Members								
Magnolia	0.993	0.992	1.014	0.994	-0.1%	2.2%	-1.9%	0.2%
Molina	0.991	0.991	1.011	0.974	0.0%	2.0%	-3.7%	-1.7%
United	0.993	0.995	1.023	0.997	0.1%	2.9%	-2.5%	0.4%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.095	1.092	1.110	1.088	-0.3%	1.6%	-2.0%	-0.7%
Molina	1.032	1.047	1.073	1.054	1.4%	2.5%	-1.8%	2.1%
United	1.026	1.030	1.052	1.028	0.5%	2.1%	-2.2%	0.2%
Unscored Members								
Magnolia	1.001	1.010	1.082	1.034	0.9%	7.1%	-4.5%	3.2%
Molina	0.989	0.990	0.814	1.009	0.1%	-17.8%	24.0%	2.0%
United	1.048	1.048	1.244	1.009	0.0%	18.8%	-19.0%	-3.7%
All Members								
Magnolia	1.095	1.092	1.110	1.087	-0.3%	1.7%	-2.0%	-0.7%
Molina	1.032	1.046	1.073	1.054	1.4%	2.5%	-1.8%	2.1%
United	1.026	1.031	1.052	1.028	0.5%	2.1%	-2.3%	0.2%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.141	1.145	1.169	1.151	0.3%	2.2%	-1.6%	0.9%
Molina	1.085	1.088	1.091	1.072	0.3%	0.3%	-1.8%	-1.2%
United	1.078	1.080	1.112	1.093	0.2%	3.0%	-1.8%	1.3%
Unscored Members								
Magnolia	1.020	1.011	0.937	1.003	-0.9%	-7.3%	7.1%	-1.7%
Molina	1.073	1.067	1.084	1.022	-0.5%	1.6%	-5.7%	-4.7%
United	0.991	0.984	1.064	1.048	-0.7%	8.1%	-1.5%	5.7%
All Members								
Magnolia	1.139	1.143	1.169	1.149	0.3%	2.3%	-1.7%	0.8%
Molina	1.086	1.089	1.091	1.072	0.3%	0.2%	-1.8%	-1.3%
United	1.077	1.079	1.112	1.092	0.2%	3.1%	-1.8%	1.4%

Exhibit 2B

Mississippi Division of Medicaid

Impact Analysis Non-Newborn SSI / Disabled Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.000	0.999	0.997	1.001	-0.1%	-0.2%	0.5%	0.1%
Molina	0.998	0.998	0.994	0.981	0.0%	-0.4%	-1.3%	-1.7%
United	1.001	1.002	1.006	1.004	0.1%	0.4%	-0.2%	0.3%
Unscored Members								
Magnolia	1.013	1.008	0.993	1.007	-0.5%	-1.5%	1.4%	-0.6%
Molina	1.017	1.015	0.951	0.973	-0.1%	-6.3%	2.2%	-4.3%
United	0.982	0.985	1.020	1.012	0.4%	3.5%	-0.8%	3.1%
All Members								
Magnolia	1.000	0.999	0.997	1.001	-0.1%	-0.2%	0.5%	0.1%
Molina	0.998	0.998	0.994	0.980	0.0%	-0.5%	-1.3%	-1.8%
United	1.001	1.002	1.006	1.004	0.1%	0.4%	-0.2%	0.4%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.032	1.027	1.025	1.025	-0.5%	-0.3%	0.1%	-0.6%
Molina	0.973	0.985	0.991	0.994	1.3%	0.6%	0.3%	2.2%
United	0.966	0.969	0.971	0.969	0.3%	0.2%	-0.2%	0.3%
Unscored Members								
Magnolia	0.984	0.990	1.034	1.017	0.6%	4.4%	-1.6%	3.4%
Molina	0.972	0.970	0.777	0.993	-0.2%	-19.9%	27.7%	2.2%
United	1.030	1.027	1.189	0.993	-0.3%	15.8%	-16.5%	-3.6%
All Members								
Magnolia	1.032	1.027	1.025	1.025	-0.4%	-0.2%	0.1%	-0.6%
Molina	0.973	0.984	0.990	0.994	1.2%	0.6%	0.3%	2.2%
United	0.967	0.970	0.971	0.969	0.3%	0.1%	-0.2%	0.2%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.031	1.032	1.031	1.032	0.1%	-0.1%	0.1%	0.1%
Molina	0.981	0.981	0.962	0.961	0.0%	-1.9%	-0.1%	-2.0%
United	0.975	0.974	0.981	0.980	-0.1%	0.7%	-0.1%	0.5%
Unscored Members								
Magnolia	0.996	0.994	0.915	0.977	-0.2%	-8.0%	6.8%	-1.9%
Molina	1.047	1.049	1.059	0.996	0.2%	0.9%	-5.9%	-4.9%
United	0.968	0.968	1.039	1.021	0.0%	7.3%	-1.7%	5.5%
All Members								
Magnolia	1.031	1.031	1.031	1.032	0.1%	-0.1%	0.1%	0.1%
Molina	0.983	0.983	0.962	0.962	0.1%	-2.1%	0.0%	-2.1%
United	0.975	0.974	0.981	0.981	-0.1%	0.7%	0.0%	0.6%

Exhibit 2C

Mississippi Division of Medicaid

Impact Analysis MA Adult Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.013	1.007	1.011	1.030	-0.6%	0.5%	1.8%	1.7%
Molina	0.961	0.961	0.963	0.964	-0.1%	0.2%	0.2%	0.3%
United	1.012	1.012	1.028	1.021	0.0%	1.6%	-0.6%	0.9%
Unscored Members								
Magnolia	0.997	0.996	1.011	0.994	-0.1%	1.6%	-1.7%	-0.3%
Molina	1.018	1.018	1.018	0.994	0.0%	0.0%	-2.3%	-2.3%
United	1.001	1.001	0.921	1.008	0.0%	-8.0%	9.4%	0.6%
All Members								
Magnolia	1.012	1.006	1.011	1.027	-0.6%	0.6%	1.5%	1.5%
Molina	0.966	0.966	0.963	0.968	-0.1%	-0.3%	0.5%	0.1%
United	1.012	1.011	1.027	1.020	0.0%	1.6%	-0.7%	0.9%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.035	1.034	1.036	1.019	-0.2%	0.2%	-1.6%	-1.6%
Molina	0.943	0.947	0.944	0.958	0.4%	-0.2%	1.5%	1.6%
United	0.998	0.991	1.023	1.036	-0.7%	3.2%	1.3%	3.8%
Unscored Members								
Magnolia	0.991	0.993	0.958	0.987	0.2%	-3.5%	3.1%	-0.4%
Molina	1.015	1.015	0.934	0.995	0.0%	-7.9%	6.5%	-2.0%
United	1.010	1.011	1.080	0.992	0.0%	6.9%	-8.1%	-1.8%
All Members								
Magnolia	1.032	1.031	1.036	1.017	-0.2%	0.5%	-1.8%	-1.5%
Molina	0.949	0.952	0.944	0.962	0.4%	-0.8%	1.9%	1.4%
United	0.999	0.993	1.023	1.033	-0.6%	3.1%	0.9%	3.4%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.055	1.050	1.055	1.054	-0.5%	0.6%	-0.2%	-0.1%
Molina	0.982	0.986	0.990	0.994	0.5%	0.4%	0.4%	1.2%
United	1.072	1.075	1.079	1.065	0.3%	0.4%	-1.3%	-0.6%
Unscored Members								
Magnolia	0.998	0.997	0.989	0.990	0.0%	-0.8%	0.0%	-0.8%
Molina	0.986	0.987	0.989	1.002	0.1%	0.2%	1.3%	1.6%
United	1.002	1.003	1.064	0.979	0.1%	6.0%	-8.0%	-2.3%
All Members								
Magnolia	1.051	1.047	1.055	1.050	-0.5%	0.8%	-0.5%	-0.1%
Molina	0.982	0.986	0.990	0.994	0.5%	0.3%	0.5%	1.3%
United	1.068	1.070	1.079	1.060	0.3%	0.8%	-1.7%	-0.7%

Exhibit 2D

Mississippi Division of Medicaid

Impact Analysis MA Adult Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.013	1.009	1.006	1.018	-0.3%	-0.3%	1.2%	0.6%
Molina	0.961	0.964	0.958	0.954	0.2%	-0.6%	-0.4%	-0.8%
United	1.012	1.015	1.022	1.010	0.2%	0.8%	-1.2%	-0.2%
Unscored Members								
Magnolia	0.992	0.991	1.041	0.995	-0.1%	5.0%	-4.4%	0.3%
Molina	1.013	1.013	1.048	0.995	0.0%	3.4%	-5.0%	-1.7%
United	0.997	0.997	0.948	1.009	0.0%	-4.9%	6.5%	1.2%
All Members								
Magnolia	1.011	1.008	1.006	1.017	-0.3%	-0.2%	1.0%	0.5%
Molina	0.966	0.968	0.958	0.958	0.2%	-1.0%	0.0%	-0.8%
United	1.011	1.013	1.022	1.010	0.2%	0.9%	-1.2%	-0.1%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.038	1.038	1.028	1.009	0.0%	-1.0%	-1.8%	-2.7%
Molina	0.945	0.951	0.937	0.949	0.6%	-1.4%	1.3%	0.5%
United	1.000	0.995	1.015	1.026	-0.4%	2.0%	1.1%	2.7%
Unscored Members								
Magnolia	0.986	0.988	0.973	0.996	0.1%	-1.5%	2.3%	1.0%
Molina	1.010	1.009	0.949	1.003	-0.1%	-5.9%	5.7%	-0.7%
United	1.006	1.005	1.097	1.001	0.0%	9.2%	-8.8%	-0.5%
All Members								
Magnolia	1.034	1.034	1.028	1.008	0.0%	-0.6%	-1.9%	-2.5%
Molina	0.951	0.956	0.937	0.954	0.6%	-1.9%	1.8%	0.4%
United	1.000	0.996	1.016	1.024	-0.4%	1.9%	0.9%	2.4%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.013	1.007	1.008	1.011	-0.6%	0.1%	0.3%	-0.1%
Molina	0.943	0.946	0.945	0.954	0.4%	-0.1%	0.9%	1.2%
United	1.029	1.031	1.031	1.022	0.2%	0.0%	-0.8%	-0.7%
Unscored Members								
Magnolia	1.001	1.001	0.951	1.000	-0.1%	-5.0%	5.3%	-0.1%
Molina	0.990	0.990	0.951	1.013	0.0%	-4.0%	6.6%	2.4%
United	1.006	1.006	1.022	0.990	0.0%	1.6%	-3.2%	-1.6%
All Members								
Magnolia	1.012	1.007	1.008	1.011	-0.5%	0.1%	0.3%	-0.1%
Molina	0.945	0.949	0.945	0.957	0.4%	-0.4%	1.2%	1.2%
United	1.028	1.029	1.031	1.020	0.2%	0.1%	-1.0%	-0.7%

Exhibit 2E

Mississippi Division of Medicaid

Impact Analysis MA Children Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.016	1.015	1.027	1.032	-0.1%	1.2%	0.5%	1.6%
Molina	0.948	0.949	0.955	0.978	0.1%	0.7%	2.4%	3.2%
United	1.041	1.043	1.052	1.054	0.1%	0.9%	0.1%	1.2%
Unscored Members								
Magnolia	1.014	1.014	0.955	1.004	0.0%	-5.8%	5.1%	-1.0%
Molina	0.997	0.997	0.893	0.990	0.0%	-10.5%	10.9%	-0.7%
United	0.999	0.999	1.043	0.999	0.1%	4.3%	-4.2%	0.1%
All Members								
Magnolia	1.015	1.015	1.027	1.031	-0.1%	1.2%	0.4%	1.6%
Molina	0.950	0.951	0.955	0.979	0.1%	0.4%	2.5%	3.0%
United	1.040	1.042	1.052	1.052	0.1%	1.0%	0.0%	1.1%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.021	1.021	1.035	1.036	0.0%	1.4%	0.2%	1.5%
Molina	0.933	0.931	0.939	0.966	-0.2%	0.9%	2.8%	3.6%
United	1.027	1.025	1.036	1.044	-0.2%	1.1%	0.7%	1.6%
Unscored Members								
Magnolia	0.996	0.996	1.023	0.983	0.1%	2.7%	-3.9%	-1.3%
Molina	1.002	1.003	1.037	1.011	0.0%	3.4%	-2.6%	0.8%
United	0.997	0.996	1.007	0.992	-0.2%	1.2%	-1.5%	-0.5%
All Members								
Magnolia	1.020	1.020	1.035	1.035	0.0%	1.4%	0.1%	1.5%
Molina	0.935	0.934	0.940	0.968	-0.1%	0.6%	3.0%	3.6%
United	1.026	1.024	1.036	1.043	-0.2%	1.2%	0.6%	1.6%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.037	1.035	1.043	1.048	-0.2%	0.8%	0.5%	1.1%
Molina	0.963	0.964	0.964	0.978	0.0%	0.0%	1.5%	1.5%
United	1.059	1.059	1.070	1.076	0.0%	1.0%	0.6%	1.6%
Unscored Members								
Magnolia	0.999	0.998	0.998	0.991	0.0%	-0.1%	-0.7%	-0.8%
Molina	0.983	0.982	0.990	0.991	-0.1%	0.8%	0.1%	0.8%
United	0.997	0.997	0.995	0.990	0.0%	-0.2%	-0.5%	-0.8%
All Members								
Magnolia	1.036	1.034	1.043	1.047	-0.2%	0.8%	0.4%	1.1%
Molina	0.964	0.964	0.964	0.979	0.0%	-0.1%	1.6%	1.6%
United	1.058	1.058	1.070	1.075	0.0%	1.1%	0.4%	1.5%

Exhibit 2F

Mississippi Division of Medicaid

Impact Analysis MA Children Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.002	1.001	1.004	1.002	-0.1%	0.2%	-0.2%	-0.1%
Molina	0.936	0.936	0.933	0.949	0.1%	-0.3%	1.7%	1.4%
United	1.028	1.029	1.028	1.023	0.1%	-0.1%	-0.5%	-0.5%
Unscored Members								
Magnolia	1.011	1.011	0.956	1.006	-0.1%	-5.4%	5.2%	-0.6%
Molina	0.994	0.994	0.894	0.992	0.0%	-10.1%	11.0%	-0.2%
United	0.996	0.996	1.044	1.001	0.1%	4.8%	-4.1%	0.6%
All Members								
Magnolia	1.002	1.001	1.004	1.002	-0.1%	0.2%	-0.2%	-0.1%
Molina	0.938	0.939	0.933	0.951	0.1%	-0.5%	1.8%	1.4%
United	1.027	1.028	1.028	1.022	0.1%	0.0%	-0.6%	-0.5%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.014	1.015	1.017	1.011	0.1%	0.2%	-0.6%	-0.3%
Molina	0.927	0.927	0.924	0.942	0.0%	-0.3%	2.0%	1.7%
United	1.021	1.020	1.019	1.018	-0.1%	0.0%	-0.1%	-0.2%
Unscored Members								
Magnolia	0.997	0.998	1.001	0.987	0.1%	0.3%	-1.4%	-1.1%
Molina	1.004	1.005	1.015	1.015	0.1%	1.0%	0.0%	1.1%
United	0.999	0.998	0.986	0.997	-0.1%	-1.2%	1.1%	-0.2%
All Members								
Magnolia	1.014	1.015	1.017	1.011	0.1%	0.2%	-0.7%	-0.4%
Molina	0.929	0.929	0.924	0.945	0.0%	-0.5%	2.3%	1.7%
United	1.020	1.019	1.019	1.018	-0.1%	0.0%	-0.1%	-0.2%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.006	1.005	1.006	1.004	-0.1%	0.1%	-0.2%	-0.3%
Molina	0.935	0.936	0.929	0.937	0.1%	-0.7%	0.8%	0.2%
United	1.028	1.029	1.032	1.031	0.0%	0.3%	-0.1%	0.2%
Unscored Members								
Magnolia	1.005	1.005	1.004	1.000	0.0%	-0.2%	-0.3%	-0.5%
Molina	0.990	0.989	0.996	1.001	-0.1%	0.7%	0.5%	1.1%
United	1.004	1.004	1.001	0.999	0.0%	-0.3%	-0.2%	-0.5%
All Members								
Magnolia	1.006	1.005	1.006	1.004	-0.1%	0.1%	-0.2%	-0.3%
Molina	0.936	0.937	0.929	0.938	0.1%	-0.9%	1.0%	0.2%
United	1.028	1.028	1.032	1.030	0.0%	0.4%	-0.2%	0.2%

Exhibit 2G

Mississippi Division of Medicaid

Impact Analysis Quasi-CHIP Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.049	1.051	1.062	1.050	0.2%	1.1%	-1.1%	0.1%
Molina	1.012	1.015	1.058	1.079	0.3%	4.2%	2.0%	6.6%
United	1.063	1.061	1.077	1.116	-0.1%	1.5%	3.6%	5.0%
Unscored Members								
Magnolia	1.054	1.049	1.046	1.025	-0.5%	-0.3%	-1.9%	-2.7%
Molina	1.086	1.086	1.292	1.015	0.0%	19.0%	-21.4%	-6.5%
United	1.029	1.029	N/A	1.062	0.0%	N/A	N/A	3.3%
All Members								
Magnolia	1.049	1.051	1.062	1.050	0.2%	1.1%	-1.2%	0.0%
Molina	1.015	1.018	1.058	1.078	0.3%	3.9%	1.9%	6.2%
United	1.062	1.060	1.077	1.115	-0.1%	1.6%	3.5%	5.0%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.026	1.025	1.045	1.032	-0.1%	2.0%	-1.2%	0.6%
Molina	1.001	1.002	1.032	1.041	0.1%	2.9%	0.9%	4.0%
United	1.056	1.056	1.070	1.076	0.0%	1.3%	0.6%	1.9%
Unscored Members								
Magnolia	1.076	1.080	N/A	1.037	0.4%	N/A	N/A	-3.6%
Molina	1.050	1.049	1.292	1.047	-0.1%	23.2%	-19.0%	-0.3%
United	1.080	1.080	1.046	1.032	0.0%	-3.2%	-1.3%	-4.4%
All Members								
Magnolia	1.027	1.026	1.045	1.032	-0.1%	1.9%	-1.2%	0.6%
Molina	1.002	1.003	1.032	1.041	0.1%	2.9%	0.9%	3.9%
United	1.056	1.056	1.070	1.075	0.0%	1.3%	0.5%	1.8%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	
Scored Members								
Magnolia	1.077	1.080	1.096	1.096	0.3%	1.5%	0.0%	1.7%
Molina	1.041	1.043	1.055	1.069	0.2%	1.2%	1.3%	2.7%
United	1.178	1.181	1.181	1.175	0.2%	0.0%	-0.5%	-0.3%
Unscored Members								
Magnolia	1.053	1.053	1.169	1.045	0.0%	11.0%	-10.6%	-0.8%
Molina	1.068	1.069	1.070	1.053	0.1%	0.1%	-1.6%	-1.4%
United	1.071	1.071	N/A	0.991	0.0%	N/A	N/A	-7.4%
All Members								
Magnolia	1.077	1.080	1.096	1.095	0.3%	1.5%	-0.1%	1.7%
Molina	1.043	1.045	1.056	1.070	0.2%	1.0%	1.4%	2.7%
United	1.177	1.179	1.181	1.172	0.2%	0.2%	-0.7%	-0.4%

Exhibit 2H

Mississippi Division of Medicaid

Impact Analysis Quasi-CHIP Population

Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.001	1.002	0.995	0.970	0.1%	-0.7%	-2.5%	-3.1%
Molina	0.965	0.968	0.991	0.997	0.2%	2.4%	0.6%	3.2%
United	1.013	1.011	1.009	1.030	-0.2%	-0.3%	2.2%	1.7%
Unscored Members								
Magnolia	1.001	0.997	0.894	0.988	-0.3%	-10.3%	10.4%	-1.3%
Molina	1.031	1.032	1.106	0.978	0.1%	7.1%	-11.5%	-5.1%
United	0.977	0.978	N/A	1.023	0.1%	N/A	N/A	4.7%
All Members								
Magnolia	1.001	1.002	0.995	0.970	0.1%	-0.7%	-2.5%	-3.1%
Molina	0.968	0.970	0.991	0.996	0.2%	2.2%	0.5%	2.9%
United	1.012	1.011	1.009	1.030	-0.2%	-0.2%	2.1%	1.8%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	0.992	0.991	0.992	0.982	-0.1%	0.1%	-1.1%	-1.0%
Molina	0.968	0.969	0.980	0.990	0.1%	1.1%	1.0%	2.2%
United	1.021	1.021	1.016	1.023	0.0%	-0.5%	0.7%	0.2%
Unscored Members								
Magnolia	1.004	1.007	N/A	0.998	0.3%	N/A	N/A	-0.6%
Molina	0.979	0.977	1.106	1.007	-0.2%	13.1%	-8.9%	2.8%
United	1.007	1.006	0.894	0.993	-0.1%	-11.1%	11.0%	-1.4%
All Members								
Magnolia	0.992	0.992	0.992	0.982	-0.1%	0.1%	-1.0%	-1.0%
Molina	0.968	0.970	0.980	0.990	0.1%	1.1%	1.1%	2.3%
United	1.021	1.021	1.016	1.023	0.0%	-0.5%	0.6%	0.2%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	0.965	0.966	0.973	0.973	0.0%	0.7%	0.0%	0.7%
Molina	0.932	0.933	0.937	0.949	0.0%	0.5%	1.3%	1.7%
United	1.056	1.055	1.048	1.043	0.0%	-0.7%	-0.5%	-1.2%
Unscored Members								
Magnolia	0.988	0.988	1.060	1.017	0.0%	7.3%	-4.1%	2.9%
Molina	1.002	1.003	0.970	1.025	0.1%	-3.2%	5.6%	2.3%
United	1.005	1.004	N/A	0.965	0.0%	N/A	N/A	-4.0%
All Members								
Magnolia	0.966	0.966	0.973	0.973	0.0%	0.7%	0.0%	0.8%
Molina	0.935	0.935	0.937	0.951	0.0%	0.2%	1.5%	1.8%
United	1.055	1.055	1.048	1.042	0.0%	-0.6%	-0.6%	-1.3%

Exhibit 3A
Mississippi Division of Medicaid
Risk Adjustment Results
Non-Newborn SSI / Disabled - North Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members												
	Risk Weight	Magnolia			Molina			United			Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept		0.077	N/A	9,790	100.00%	N/A	2,287	100.00%	N/A	8,003	100.00%	N/A	20,080	100.00%
Demographic Categories														
Age 1 to 4	0.087	N/A	301	3.07%	N/A	166	7.26%	N/A	257	3.21%	N/A	724	3.61%	
Age 5 to 14 Female	0.089	N/A	479	4.89%	N/A	112	4.90%	N/A	442	5.52%	N/A	1,033	5.14%	
Age 5 to 14 Male	0.067	N/A	1,104	11.28%	N/A	255	11.15%	N/A	882	11.02%	N/A	2,241	11.16%	
Age 15 to 24 Female	0.108	N/A	462	4.72%	N/A	135	5.90%	N/A	424	5.30%	N/A	1,021	5.08%	
Age 15 to 24 Male	0.000	N/A	852	8.70%	N/A	269	11.76%	N/A	777	9.71%	N/A	1,898	9.45%	
Age 25 to 44 Female	0.206	N/A	1,136	11.60%	N/A	211	9.23%	N/A	890	11.12%	N/A	2,237	11.14%	
Age 25 to 44 Male	0.053	N/A	1,190	12.16%	N/A	233	10.19%	N/A	987	12.33%	N/A	2,410	12.00%	
Age 45 to 64 Female	0.109	N/A	2,484	25.37%	N/A	411	17.97%	N/A	1,864	23.29%	N/A	4,759	23.70%	
Age 45 to 64 Male	0.111	N/A	1,759	17.97%	N/A	495	21.64%	N/A	1,464	18.29%	N/A	3,718	18.52%	
Age 65 and Older Male and Female	0.006	N/A	23	0.23%	N/A	0	0.00%	N/A	16	0.20%	N/A	39	0.19%	
Duration Categories														
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	31	0.32%	N/A	28	1.22%	N/A	45	0.56%	N/A	104	0.52%	
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	48	0.49%	N/A	38	1.66%	N/A	46	0.57%	N/A	132	0.66%	
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	9,711	99.19%	N/A	2,221	97.11%	N/A	7,912	98.86%	N/A	19,844	98.82%	
Disease Categories														
Cancer, very high	4.640	10	54	0.55%	3	21	0.92%	8	49	0.61%	8	124	0.62%	
Cancer, high	1.263	22	114	1.16%	18	32	1.40%	26	87	1.09%	24	233	1.16%	
Cancer, medium	0.649	29	179	1.83%	31	34	1.49%	23	188	2.35%	27	401	2.00%	
Cancer, low	0.148	46	99	1.01%	46	22	0.96%	46	91	1.14%	46	212	1.06%	
Cardiovascular, very high	1.401	35	46	0.47%	33	11	0.48%	35	39	0.49%	34	96	0.48%	
Cardiovascular, medium	0.570	2	1,010	10.32%	2	219	9.58%	2	778	9.72%	2	2,007	10.00%	
Cardiovascular, medium - child	0.188	49	58	0.59%	45	18	0.79%	48	53	0.66%	49	129	0.64%	
Cardiovascular, low	0.192	19	927	9.47%	21	202	8.83%	19	734	9.17%	19	1,863	9.28%	
Cardiovascular, extra low	0.106	7	3,027	30.92%	7	601	26.28%	6	2,434	30.41%	6	6,062	30.19%	
Cerebrovascular, low	0.153	43	141	1.44%	42	46	2.01%	44	135	1.69%	44	322	1.60%	
CNS, medium to high	0.589	17	305	3.12%	20	66	2.89%	22	235	2.94%	20	606	3.02%	
CNS, high - child	1.358	41	25	0.26%	43	5	0.22%	43	16	0.20%	41	46	0.23%	
CNS, low	0.218	4	1,672	17.08%	6	361	15.78%	5	1,403	17.53%	5	3,436	17.11%	
DD, low to medium	0.153	39	354	3.62%	39	72	3.15%	33	374	4.67%	38	800	3.98%	
Diabetes, type 1 high	1.267	45	13	0.13%	49	2	0.09%	45	14	0.17%	45	29	0.14%	
Diabetes, type 1 medium	0.683	32	131	1.34%	37	17	0.74%	32	96	1.20%	32	244	1.22%	
Diabetes, type 2 medium	0.416	9	616	6.29%	19	97	4.24%	14	404	5.05%	12	1,117	5.56%	
Diabetes, type 2 low	0.177	15	1,087	11.10%	22	195	8.53%	16	896	11.20%	18	2,178	10.85%	
Eye, low	0.142	47	95	0.97%	48	18	0.79%	49	70	0.87%	47	183	0.91%	
Eye, very low	0.107	31	909	9.28%	36	113	4.94%	34	516	6.45%	33	1,538	7.66%	
Genital, extra low	0.070	42	364	3.72%	44	78	3.41%	42	315	3.94%	43	757	3.77%	
Gastro, medium to high	0.523	8	538	5.50%	9	114	4.98%	9	415	5.19%	9	1,067	5.31%	
Gastro, high - child	1.264	27	94	0.96%	26	23	1.01%	31	62	0.77%	30	179	0.89%	
Gastro, low	0.127	11	1,910	19.51%	17	331	14.47%	12	1,433	17.91%	11	3,674	18.30%	
Hematological, very high to extra high	1.633	23	87	0.89%	32	12	0.52%	20	86	1.07%	23	185	0.92%	
Hematological, medium	0.705	33	125	1.28%	30	33	1.44%	30	113	1.41%	31	271	1.35%	
Hematological, low	0.491	37	122	1.25%	35	28	1.22%	37	100	1.25%	37	250	1.25%	
AIDS, high	1.699	5	213	2.18%	4	57	2.49%	4	180	2.25%	4	450	2.24%	
HIV, medium	1.210	44	16	0.16%	40	7	0.31%	41	21	0.26%	42	44	0.22%	
Infectious, low to medium	0.435	24	321	3.28%	13	108	4.72%	24	276	3.45%	22	705	3.51%	
Metabolic, high	1.035	21	157	1.60%	28	26	1.14%	21	135	1.69%	21	318	1.58%	
Metabolic, high - child	0.158	51	35	0.36%	50	6	0.26%	51	35	0.44%	51	76	0.38%	
Metabolic, medium	0.396	26	338	3.45%	23	87	3.80%	27	277	3.46%	26	702	3.50%	
Metabolic, very low	0.138	25	1,012	10.34%	25	233	10.19%	25	820	10.25%	25	2,065	10.28%	
Pregnancy, incomplete	0.395	48	29	0.30%	47	8	0.35%	50	25	0.31%	48	62	0.31%	
Psychiatric, high	0.677	3	593	6.06%	5	133	5.82%	3	516	6.45%	3	1,242	6.19%	
Psychiatric, medium low to medium	0.264	1	2,579	26.34%	1	616	26.93%	1	2,186	27.31%	1	5,381	26.80%	
Psychiatric, low	0.167	14	1,202	12.28%	16	253	11.06%	13	1,022	12.77%	15	2,477	12.34%	
Pulmonary, very high	1.167	13	187	1.91%	10	48	2.10%	15	137	1.71%	13	372	1.85%	
Pulmonary, very high - child	1.465	36	42	0.43%	27	19	0.83%	39	28	0.35%	36	89	0.44%	
Pulmonary, high	0.593	50	17	0.17%	51	1	0.04%	47	17	0.21%	50	35	0.17%	
Pulmonary, medium	0.475	18	376	3.84%	11	116	5.07%	17	326	4.07%	16	818	4.07%	
Pulmonary, low	0.178	6	1,845	18.85%	8	337	14.74%	7	1,301	16.26%	7	3,483	17.35%	
Renal, extra high	3.856	20	45	0.46%	14	12	0.52%	10	54	0.67%	14	111	0.55%	
Renal, very high	0.489	28	241	2.46%	29	48	2.10%	28	224	2.80%	28	513	2.55%	
Renal, low to medium	0.132	38	443	4.53%	38	86	3.76%	38	327	4.09%	39	856	4.26%	
Skeletal, medium	0.308	16	623	6.36%	15	142	6.21%	18	494	6.17%	17	1,259	6.27%	
Skeletal, very low to low	0.149	12	1,606	16.40%	12	336	14.69%	11	1,251	15.63%	10	3,193	15.90%	
Skin, low - high	0.254	40	138	1.41%	41	31	1.36%	40	129	1.61%	40	298	1.48%	
Skin, very low	0.090	34	721	7.36%	34	169	7.39%	36	567	7.08%	35	1,457	7.26%	
Substance abuse, very low to low	0.153	30	751	7.67%	24	215	9.40%	29	628	7.85%	29	1,594	7.94%	
Population Statistics														
No Classified Disease Categories	N/A	N/A	1,817	18.56%	N/A	479	20.94%	N/A	1,447	18.08%	N/A	3,743	18.64%	

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	4	4.44%	N/A	0	0.00%	N/A	8	8.00%	N/A	12	4.69%
Age 5 to 14 Female	0.660	N/A	4	4.44%	N/A	4	6.06%	N/A	4	4.00%	N/A	12	4.69%
Age 5 to 14 Male	0.572	N/A	8	8.89%	N/A	10	15.15%	N/A	13	13.00%	N/A	31	12.11%
Age 15 to 24 Female	0.746	N/A	5	5.56%	N/A	2	3.03%	N/A	0	0.00%	N/A	7	2.73%
Age 15 to 24 Male	0.523	N/A	7	7.78%	N/A	6	9.09%	N/A	6	6.00%	N/A	19	7.42%
Age 25 to 44 Female	1.154	N/A	7	7.78%	N/A	6	9.09%	N/A	10	10.00%	N/A	23	8.98%
Age 25 to 44 Male	0.821	N/A	10	11.11%	N/A	6	9.09%	N/A	11	11.00%	N/A	27	10.55%
Age 45 to 64 Female	1.314	N/A	22	24.44%	N/A	16	24.24%	N/A	20	20.00%	N/A	58	22.66%
Age 45 to 64 Male	1.185	N/A	23	25.56%	N/A	16	24.24%	N/A	28	28.00%	N/A	67	26.17%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	9,790	2,287	8,003	20,080
Unadjusted Plan Factor	0.994	0.974	0.997	0.993
Budget Neutral Plan Factor	1.001	0.981	1.004	1.000
Unscored Members				
Member Months	90	66	100	256
Unadjusted Plan Factor	1.017	0.982	1.022	1.010
Budget Neutral Plan Factor	1.007	0.973	1.012	1.000
Total Members				
Member Months	9,880	2,353	8,103	20,336
Unadjusted Plan Factor	0.994	0.974	0.997	0.993
Budget Neutral Plan Factor	1.001	0.980	1.004	1.000

Exhibit 3B
Mississippi Division of Medicaid
Risk Adjustment Results
Non-Newborn SSI / Disabled - Central Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members											
Risk Weight	Disease Impact Rank	Magnolia			Molina			United			Total		
		Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months		
Regression Intercept	0.077	N/A	10,724	100.00%	N/A	2,553	100.00%	N/A	8,276	100.00%	N/A	21,553	100.00%
Demographic Categories													
Age 1 to 4	0.087	N/A	358	3.34%	N/A	213	8.34%	N/A	311	3.76%	N/A	882	4.09%
Age 5 to 14 Female	0.089	N/A	559	5.21%	N/A	122	4.78%	N/A	436	5.27%	N/A	1,117	5.18%
Age 5 to 14 Male	0.067	N/A	1,200	11.19%	N/A	292	11.44%	N/A	933	11.27%	N/A	2,425	11.25%
Age 15 to 24 Female	0.108	N/A	545	5.08%	N/A	153	5.99%	N/A	436	5.27%	N/A	1,134	5.26%
Age 15 to 24 Male	0.000	N/A	1,025	9.56%	N/A	280	10.97%	N/A	801	9.68%	N/A	2,106	9.77%
Age 25 to 44 Female	0.206	N/A	1,217	11.35%	N/A	185	7.25%	N/A	866	10.46%	N/A	2,268	10.52%
Age 25 to 44 Male	0.053	N/A	1,256	11.71%	N/A	305	11.95%	N/A	1,044	12.61%	N/A	2,605	12.09%
Age 45 to 64 Female	0.109	N/A	2,546	23.74%	N/A	429	16.80%	N/A	1,801	21.76%	N/A	4,776	22.16%
Age 45 to 64 Male	0.111	N/A	1,952	18.20%	N/A	571	22.37%	N/A	1,610	19.45%	N/A	4,133	19.18%
Age 65 and Older Male and Female	0.006	N/A	66	0.62%	N/A	3	0.12%	N/A	38	0.46%	N/A	107	0.50%
Duration Categories													
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	38	0.35%	N/A	28	1.10%	N/A	49	0.59%	N/A	115	0.53%
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	55	0.51%	N/A	52	2.04%	N/A	56	0.68%	N/A	163	0.76%
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	10,631	99.13%	N/A	2,473	96.87%	N/A	8,171	98.73%	N/A	21,275	98.71%
Disease Categories													
Cancer, very high	4.640	11	62	0.58%	3	29	1.14%	13	38	0.46%	10	129	0.60%
Cancer, high	1.263	23	126	1.17%	12	42	1.65%	24	97	1.17%	23	265	1.23%
Cancer, medium	0.649	29	210	1.96%	30	46	1.80%	23	196	2.37%	28	452	2.10%
Cancer, low	0.148	46	131	1.22%	48	28	1.10%	47	82	0.99%	46	241	1.12%
Cardiovascular, very high	1.401	30	86	0.80%	35	12	0.47%	34	39	0.47%	32	137	0.64%
Cardiovascular, medium	0.570	3	1,041	9.71%	4	225	8.81%	4	735	8.88%	3	2,001	9.28%
Cardiovascular, medium - child	0.188	50	54	0.50%	50	15	0.59%	50	42	0.51%	50	111	0.52%
Cardiovascular, low	0.192	22	896	8.36%	17	255	9.99%	22	703	8.49%	22	1,854	8.60%
Cardiovascular, extra low	0.106	7	3,442	32.10%	9	683	26.75%	6	2,493	30.12%	6	6,618	30.71%
Cerebrovascular, low	0.153	43	282	2.63%	41	67	2.62%	43	184	2.22%	43	533	2.47%
CNS, medium to high	0.589	16	373	3.48%	13	89	3.49%	17	285	3.44%	17	747	3.47%
CNS, high - child	1.358	40	41	0.38%	46	4	0.16%	42	24	0.29%	42	69	0.32%
CNS, low	0.218	5	1,995	18.60%	6	499	19.55%	5	1,497	18.09%	5	3,991	18.52%
DD, low to medium	0.153	36	485	4.52%	33	137	5.37%	33	371	4.48%	34	993	4.61%
Diabetes, type 1 high	1.267	45	20	0.19%	43	5	0.20%	46	10	0.12%	45	35	0.16%
Diabetes, type 1 medium	0.683	35	116	1.08%	36	22	0.86%	35	79	0.95%	35	217	1.01%
Diabetes, type 2 medium	0.416	10	758	7.07%	18	116	4.54%	11	438	5.29%	11	1,312	6.09%
Diabetes, type 2 low	0.177	21	1,106	10.31%	26	209	8.19%	20	891	10.77%	20	2,206	10.24%
Eye, low	0.142	47	130	1.21%	49	22	0.86%	48	78	0.94%	47	230	1.07%
Eye, very low	0.107	31	1,079	10.06%	38	125	4.90%	32	553	6.68%	33	1,757	8.15%
Genital, extra low	0.070	44	400	3.73%	44	85	3.33%	44	327	3.95%	44	812	3.77%
Gastro, medium to high	0.523	9	669	6.24%	7	185	7.25%	7	469	5.67%	8	1,323	6.14%
Gastro, high - child	1.264	33	82	0.76%	27	28	1.10%	30	70	0.85%	30	180	0.84%
Gastro, low	0.127	13	1,945	18.14%	21	353	13.83%	19	1,254	15.15%	15	3,552	16.48%
Hematological, very high to extra high	1.633	20	120	1.12%	29	19	0.74%	21	91	1.10%	21	230	1.07%
Hematological, medium	0.705	32	155	1.45%	31	38	1.49%	31	124	1.50%	31	317	1.47%
Hematological, low	0.491	38	129	1.20%	32	45	1.76%	39	98	1.18%	38	272	1.26%
AIDS, high	1.699	4	320	2.98%	5	64	2.51%	3	254	3.07%	4	638	2.96%
HIV, medium	1.210	41	39	0.36%	42	8	0.31%	38	40	0.48%	40	87	0.40%
Infectious, low to medium	0.435	26	350	3.26%	22	99	3.88%	27	263	3.18%	25	712	3.30%
Metabolic, high	1.035	19	193	1.80%	23	38	1.49%	18	156	1.88%	19	387	1.80%
Metabolic, high - child	0.158	51	52	0.48%	51	12	0.47%	51	45	0.54%	51	109	0.51%
Metabolic, medium	0.396	27	378	3.52%	25	94	3.68%	26	289	3.49%	27	761	3.53%
Metabolic, very low	0.138	24	1,141	10.64%	24	277	10.85%	28	824	9.96%	26	2,242	10.40%
Pregnancy, incomplete	0.395	48	36	0.34%	45	14	0.55%	49	26	0.31%	49	76	0.35%
Psychiatric, high	0.677	2	1,018	9.49%	2	233	9.13%	2	741	8.95%	2	1,992	9.24%
Psychiatric, medium low to medium	0.264	1	3,121	29.10%	1	687	26.91%	1	2,264	27.36%	1	6,072	28.17%
Psychiatric, low	0.167	18	1,244	11.60%	19	281	11.01%	12	1,081	13.06%	18	2,606	12.09%
Pulmonary, very high	1.167	15	201	1.87%	16	43	1.68%	16	145	1.75%	14	389	1.80%
Pulmonary, very high - child	1.465	39	40	0.37%	34	12	0.47%	40	31	0.37%	39	83	0.39%
Pulmonary, high	0.593	49	22	0.21%	47	7	0.27%	45	24	0.29%	48	53	0.25%
Pulmonary, medium	0.475	17	441	4.11%	11	122	4.78%	14	366	4.42%	16	929	4.31%
Pulmonary, low	0.178	8	1,963	18.30%	10	381	14.92%	8	1,295	15.65%	9	3,639	16.88%
Renal, extra high	3.856	6	103	0.96%	8	22	0.86%	9	55	0.66%	7	180	0.84%
Renal, very high	0.489	28	289	2.69%	28	68	2.66%	29	216	2.61%	29	573	2.66%
Renal, low to medium	0.132	34	609	5.68%	39	99	3.88%	37	389	4.70%	36	1,097	5.09%
Skeletal, medium	0.308	14	794	7.40%	15	165	6.46%	15	559	6.75%	13	1,518	7.04%
Skeletal, very low to low	0.149	12	1,704	15.89%	14	352	13.79%	10	1,248	15.08%	12	3,304	15.33%
Skin, low - high	0.254	42	182	1.70%	40	45	1.76%	41	156	1.88%	41	383	1.78%
Skin, very low	0.090	37	781	7.28%	37	158	6.19%	36	577	6.97%	37	1,516	7.03%
Substance abuse, very low to low	0.153	25	1,019	9.50%	20	295	11.56%	25	787	9.51%	24	2,101	9.75%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,704	15.89%	N/A	475	18.61%	N/A	1,501	18.14%	N/A	3,680	17.07%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	2	3.03%	N/A	2	2.56%	N/A	0	0.00%	N/A	4	1.80%
Age 5 to 14 Female	0.660	N/A	1	1.52%	N/A	1	1.28%	N/A	2	2.56%	N/A	4	1.80%
Age 5 to 14 Male	0.572	N/A	4	6.06%	N/A	5	6.41%	N/A	8	10.26%	N/A	17	7.66%
Age 15 to 24 Female	0.746	N/A	7	10.61%	N/A	5	6.41%	N/A	4	5.13%	N/A	16	7.21%
Age 15 to 24 Male	0.523	N/A	1	1.52%	N/A	7	8.97%	N/A	6	7.69%	N/A	14	6.31%
Age 25 to 44 Female	1.154	N/A	7	10.61%	N/A	12	15.38%	N/A	13	16.67%	N/A	32	14.41%
Age 25 to 44 Male	0.821	N/A	13	19.70%	N/A	13	16.67%	N/A	11	14.10%	N/A	37	16.67%
Age 45 to 64 Female	1.314	N/A	14	21.21%	N/A	15	19.23%	N/A	18	23.08%	N/A	47	21.17%
Age 45 to 64 Male	1.185	N/A	17	25.76%	N/A	18	23.08%	N/A	16	20.51%	N/A	51	22.97%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	10,724	2,553	8,276	21,553
Unadjusted Plan Factor	1.088	1.054	1.028	1.061
Budget Neutral Plan Factor	1.025	0.994	0.969	1.000
Unscored Members				
Member Months	66	78	78	222
Unadjusted Plan Factor	1.034	1.009	1.009	1.016
Budget Neutral Plan Factor	1.017	0.993	0.993	1.000
Total Members				
Member Months	10,790	2,631	8,354	21,775
Unadjusted Plan Factor	1.087	1.054	1.028	1.061
Budget Neutral Plan Factor	1.025	0.994	0.969	1.000

Exhibit 3C
Mississippi Division of Medicaid
Risk Adjustment Results
Non-Newborn SSI / Disabled - South Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members												
	Risk Weight	Magnolia			Molina			United			Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept		0.077	N/A	7,392	100.00%	N/A	2,249	100.00%	N/A	7,568	100.00%	N/A	17,209	100.00%
Demographic Categories														
Age 1 to 4	0.087	N/A	252	3.41%	N/A	150	6.67%	N/A	256	3.38%	N/A	658	3.82%	
Age 5 to 14 Female	0.089	N/A	432	5.84%	N/A	109	4.85%	N/A	402	5.31%	N/A	943	5.48%	
Age 5 to 14 Male	0.067	N/A	941	12.73%	N/A	231	10.27%	N/A	913	12.06%	N/A	2,085	12.12%	
Age 15 to 24 Female	0.108	N/A	354	4.79%	N/A	154	6.85%	N/A	385	5.09%	N/A	893	5.19%	
Age 15 to 24 Male	0.000	N/A	612	8.28%	N/A	261	11.61%	N/A	686	9.06%	N/A	1,559	9.06%	
Age 25 to 44 Female	0.206	N/A	719	9.73%	N/A	192	8.54%	N/A	771	10.19%	N/A	1,682	9.77%	
Age 25 to 44 Male	0.053	N/A	770	10.42%	N/A	208	9.25%	N/A	838	11.07%	N/A	1,816	10.55%	
Age 45 to 64 Female	0.109	N/A	1,924	26.03%	N/A	476	21.16%	N/A	1,846	24.39%	N/A	4,246	24.67%	
Age 45 to 64 Male	0.111	N/A	1,366	18.48%	N/A	465	20.68%	N/A	1,456	19.24%	N/A	3,287	19.10%	
Age 65 and Older Male and Female	0.006	N/A	22	0.30%	N/A	3	0.13%	N/A	15	0.20%	N/A	40	0.23%	
Duration Categories														
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	30	0.41%	N/A	34	1.51%	N/A	51	0.67%	N/A	115	0.67%	
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	47	0.64%	N/A	45	2.00%	N/A	62	0.82%	N/A	154	0.89%	
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	7,315	98.96%	N/A	2,170	96.49%	N/A	7,455	98.51%	N/A	16,940	98.44%	
Disease Categories														
Cancer, very high	4.640	7	57	0.77%	7	17	0.76%	12	43	0.57%	8	117	0.68%	
Cancer, high	1.263	21	110	1.49%	13	42	1.87%	24	97	1.28%	22	249	1.45%	
Cancer, medium	0.649	30	131	1.77%	29	39	1.73%	27	159	2.10%	29	329	1.91%	
Cancer, low	0.148	46	91	1.23%	45	31	1.38%	46	87	1.15%	46	209	1.21%	
Cardiovascular, very high	1.401	33	53	0.72%	41	6	0.27%	34	41	0.54%	33	100	0.58%	
Cardiovascular, medium	0.570	2	776	10.50%	2	256	11.38%	2	730	9.65%	2	1,762	10.24%	
Cardiovascular, medium - child	0.188	51	34	0.46%	47	13	0.58%	51	26	0.34%	51	73	0.42%	
Cardiovascular, low	0.192	19	799	10.81%	20	238	10.58%	19	808	10.68%	19	1,845	10.72%	
Cardiovascular, extra low	0.106	10	2,236	30.25%	11	558	24.81%	7	2,312	30.55%	9	5,106	29.67%	
Cerebrovascular, low	0.153	43	200	2.71%	42	54	2.40%	43	163	2.15%	43	417	2.42%	
CNS, medium to high	0.589	16	322	4.36%	16	85	3.78%	17	294	3.88%	16	701	4.07%	
CNS, high - child	1.358	42	27	0.37%	43	5	0.22%	39	27	0.36%	42	59	0.34%	
CNS, low	0.218	4	1,534	20.75%	6	415	18.45%	4	1,486	19.64%	4	3,435	19.96%	
DD, low to medium	0.153	36	393	5.32%	35	111	4.94%	35	374	4.94%	37	878	5.10%	
Diabetes, type 1 high	1.267	41	29	0.39%	51	0	0.00%	45	16	0.21%	44	45	0.26%	
Diabetes, type 1 medium	0.683	34	96	1.30%	36	24	1.07%	33	86	1.14%	32	206	1.20%	
Diabetes, type 2 medium	0.416	11	514	6.95%	12	136	6.05%	16	419	5.54%	13	1,069	6.21%	
Diabetes, type 2 low	0.177	23	763	10.32%	25	173	7.69%	22	736	9.73%	23	1,672	9.72%	
Eye, low	0.142	47	72	0.97%	50	12	0.53%	48	72	0.95%	48	156	0.91%	
Eye, very low	0.107	32	700	9.47%	40	120	5.34%	38	459	6.07%	35	1,279	7.43%	
Genital, extra low	0.070	45	327	4.42%	44	77	3.42%	44	308	4.07%	45	712	4.14%	
Gastro, medium to high	0.523	6	571	7.72%	5	174	7.74%	6	576	7.61%	6	1,321	7.68%	
Gastro, high - child	1.264	31	65	0.88%	33	15	0.67%	30	67	0.89%	31	147	0.85%	
Gastro, low	0.127	15	1,519	20.55%	18	379	16.85%	15	1,387	18.33%	15	3,285	19.09%	
Hematological, very high to extra high	1.633	26	68	0.92%	31	13	0.58%	28	63	0.83%	28	144	0.84%	
Hematological, medium	0.705	29	124	1.68%	26	43	1.91%	31	113	1.49%	30	280	1.63%	
Hematological, low	0.491	37	122	1.65%	32	41	1.82%	36	114	1.51%	36	277	1.61%	
AIDS, high	1.699	5	181	2.45%	4	59	2.62%	5	189	2.50%	5	429	2.49%	
HIV, medium	1.210	44	21	0.28%	30	18	0.80%	41	28	0.37%	40	67	0.39%	
Infectious, low to medium	0.435	24	298	4.03%	17	112	4.98%	21	353	4.66%	21	763	4.43%	
Metabolic, high	1.035	22	132	1.79%	23	30	1.33%	23	123	1.63%	24	285	1.66%	
Metabolic, high - child	0.158	50	46	0.62%	49	11	0.49%	50	45	0.59%	50	102	0.59%	
Metabolic, medium	0.396	25	310	4.19%	22	81	3.60%	25	277	3.66%	25	668	3.88%	
Metabolic, very low	0.138	27	783	10.59%	24	223	9.92%	29	708	9.36%	27	1,714	9.96%	
Pregnancy, incomplete	0.395	49	21	0.28%	48	5	0.22%	49	24	0.32%	49	50	0.29%	
Psychiatric, high	0.677	3	594	8.04%	3	177	7.87%	3	583	7.70%	3	1,354	7.87%	
Psychiatric, medium low to medium	0.264	1	2,337	31.62%	1	616	27.39%	1	2,284	30.18%	1	5,237	30.43%	
Psychiatric, low	0.167	18	1,047	14.16%	19	282	12.54%	13	1,167	15.42%	14	2,496	14.50%	
Pulmonary, very high	1.167	9	203	2.75%	10	55	2.45%	9	196	2.59%	10	454	2.64%	
Pulmonary, very high - child	1.465	40	26	0.35%	34	12	0.53%	42	17	0.22%	41	55	0.32%	
Pulmonary, high	0.593	48	16	0.22%	46	5	0.22%	47	19	0.25%	47	40	0.23%	
Pulmonary, medium	0.475	17	369	4.99%	9	136	6.05%	18	357	4.72%	17	862	5.01%	
Pulmonary, low	0.178	8	1,398	18.91%	8	370	16.45%	8	1,334	17.63%	7	3,102	18.03%	
Renal, extra high	3.856	14	51	0.69%	28	7	0.31%	14	47	0.62%	18	105	0.61%	
Renal, very high	0.489	28	214	2.90%	27	62	2.76%	26	217	2.87%	26	493	2.86%	
Renal, low to medium	0.132	38	425	5.75%	38	115	5.11%	37	382	5.05%	38	922	5.36%	
Skeletal, medium	0.308	12	659	8.92%	14	165	7.34%	11	660	8.72%	12	1,484	8.62%	
Skeletal, very low to low	0.149	13	1,361	18.41%	15	337	14.98%	10	1,473	19.46%	11	3,171	18.43%	
Skin, low - high	0.254	39	151	2.04%	39	59	2.62%	40	138	1.82%	39	348	2.02%	
Skin, very low	0.090	35	700	9.47%	37	174	7.74%	32	675	8.92%	34	1,549	9.00%	
Substance abuse, very low to low	0.153	20	910	12.31%	21	283	12.58%	20	1,006	13.29%	20	2,199	12.78%	
Population Statistics														
No Classified Disease Categories	N/A	N/A	1,154	15.61%	N/A	448	19.92%	N/A	1,270	16.78%	N/A	2,872	16.69%	

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	3	3.33%	N/A	0	0.00%	N/A	6	5.36%	N/A	9	3.21%
Age 5 to 14 Female	0.660	N/A	5	5.56%	N/A	3	3.85%	N/A	9	8.04%	N/A	17	6.07%
Age 5 to 14 Male	0.572	N/A	8	8.89%	N/A	6	7.69%	N/A	9	8.04%	N/A	23	8.21%
Age 15 to 24 Female	0.746	N/A	4	4.44%	N/A	5	6.41%	N/A	2	1.79%	N/A	11	3.93%
Age 15 to 24 Male	0.523	N/A	9	10.00%	N/A	6	7.69%	N/A	4	3.57%	N/A	19	6.79%
Age 25 to 44 Female	1.154	N/A	12	13.33%	N/A	11	14.10%	N/A	13	11.61%	N/A	36	12.86%
Age 25 to 44 Male	0.821	N/A	9	10.00%	N/A	9	11.54%	N/A	12	10.71%	N/A	30	10.71%
Age 45 to 64 Female	1.314	N/A	21	23.33%	N/A	18	23.08%	N/A	28	25.00%	N/A	67	23.93%
Age 45 to 64 Male	1.185	N/A	19	21.11%	N/A	20	25.64%	N/A	29	25.89%	N/A	68	24.29%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	7,392	2,249	7,568	17,209
Unadjusted Plan Factor	1.151	1.072	1.093	1.115
Budget Neutral Plan Factor	1.032	0.961	0.980	1.000
Unscored Members				
Member Months	90	78	112	280
Unadjusted Plan Factor	1.003	1.022	1.048	1.026
Budget Neutral Plan Factor	0.977	0.996	1.021	1.000
Total Members				
Member Months	7,482	2,327	7,680	17,489
Unadjusted Plan Factor	1.149	1.072	1.092	1.114
Budget Neutral Plan Factor	1.032	0.962	0.981	1.000

Exhibit 3D

Mississippi Division of Medicaid

Risk Adjustment Results

MA Adult - North Region - Q1 to Q2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members											
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	3,427	100.00%	N/A	2,056	100.00%	N/A	3,161	100.00%	N/A	8,644	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	255	7.44%	N/A	269	13.08%	N/A	306	9.68%	N/A	830	9.60%
Age 15 to 24 Male	0.000	N/A	10	0.29%	N/A	6	0.29%	N/A	8	0.25%	N/A	24	0.28%
Age 25 to 44 Female	0.236	N/A	2,546	74.29%	N/A	1,489	72.42%	N/A	2,279	72.10%	N/A	6,314	73.04%
Age 25 to 44 Male	0.058	N/A	202	5.89%	N/A	123	5.98%	N/A	197	6.23%	N/A	522	6.04%
Age 45 and Older Female	0.245	N/A	344	10.04%	N/A	135	6.57%	N/A	303	9.59%	N/A	782	9.05%
Age 45 and Older Male	0.365	N/A	70	2.04%	N/A	34	1.65%	N/A	68	2.15%	N/A	172	1.99%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	197	5.75%	N/A	210	10.21%	N/A	200	6.33%	N/A	607	7.02%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	98	2.86%	N/A	72	3.50%	N/A	111	3.51%	N/A	281	3.25%
Diagnosis Period Duration, 12 Months	0.000	N/A	3,132	91.39%	N/A	1,774	86.28%	N/A	2,850	90.16%	N/A	7,756	89.73%
Disease Categories													
Cancer, high to very high	3.752	15	17	0.50%	18	7	0.34%	11	20	0.63%	14	44	0.51%
Cancer, medium	0.997	22	36	1.05%	23	19	0.92%	26	28	0.89%	23	83	0.96%
Cancer, low	0.364	36	15	0.44%	37	7	0.34%	37	12	0.38%	36	34	0.39%
Cardiovascular, very high	1.914	37	2	0.06%	38	1	0.05%	39	1	0.03%	39	4	0.05%
Cardiovascular, medium	0.601	11	145	4.23%	7	83	4.04%	13	121	3.83%	10	349	4.04%
Cardiovascular, low	0.315	16	177	5.16%	15	99	4.82%	17	162	5.12%	17	438	5.07%
Cardiovascular, extra low	0.122	3	1,009	29.44%	5	478	23.25%	4	864	27.33%	4	2,351	27.20%
CNS, medium to high	0.836	27	34	0.99%	36	5	0.24%	25	35	1.11%	28	74	0.86%
CNS, low	0.419	8	219	6.39%	10	116	5.64%	6	228	7.21%	8	563	6.51%
Diabetes, type 1 high	2.432	39	1	0.03%	35	2	0.10%	38	1	0.03%	38	4	0.05%
Diabetes, type 1 medium	1.612	17	34	0.99%	17	18	0.88%	22	20	0.63%	18	72	0.83%
Diabetes, type 2 medium	1.043	14	64	1.87%	14	30	1.46%	15	56	1.77%	15	150	1.74%
Diabetes, type 2 low	0.375	6	287	8.37%	8	133	6.47%	8	222	7.02%	7	642	7.43%
DD, low to medium	0.613	40	2	0.06%	39	2	0.10%	40	2	0.06%	40	6	0.07%
Eye, very low to low	0.324	26	89	2.60%	31	28	1.36%	30	73	2.31%	29	190	2.20%
Genital, extra low	0.118	24	262	7.65%	24	159	7.73%	29	206	6.52%	25	627	7.25%
Gastro, medium to high	0.933	9	98	2.86%	6	54	2.63%	14	76	2.40%	9	228	2.64%
Gastro, low	0.224	4	547	15.96%	9	219	10.65%	5	444	14.05%	5	1,210	14.00%
Hematological, low to extra high	0.318	32	64	1.87%	30	34	1.65%	32	55	1.74%	31	153	1.77%
AIDS, high	1.445	13	48	1.40%	16	21	1.02%	10	55	1.74%	13	124	1.43%
HIV, medium	1.320	38	2	0.06%	40	0	0.00%	36	7	0.22%	37	9	0.10%
Infectious, low to medium	0.578	19	86	2.51%	22	38	1.85%	21	60	1.90%	19	184	2.13%
Metabolic, high	0.857	29	27	0.79%	28	16	0.78%	19	43	1.36%	26	86	0.99%
Metabolic, medium	0.393	34	37	1.08%	32	19	0.92%	34	37	1.17%	34	93	1.08%
Metabolic, very low	0.138	30	158	4.61%	29	82	3.99%	33	112	3.54%	32	352	4.07%
Pregnancy, complete	0.160	18	335	9.78%	13	280	13.62%	16	356	11.26%	16	971	11.23%
Pregnancy, incomplete	0.997	2	147	4.29%	1	100	4.86%	3	107	3.39%	2	354	4.10%
Psychiatric, high	0.972	28	26	0.76%	26	18	0.88%	28	27	0.85%	27	71	0.82%
Psychiatric, medium	0.513	23	64	1.87%	21	43	2.09%	20	70	2.21%	22	177	2.05%
Psychiatric, medium low	0.321	5	367	10.71%	3	216	10.51%	2	385	12.18%	3	968	11.20%
Psychiatric, low	0.212	7	475	13.86%	4	279	13.57%	7	435	13.76%	6	1,189	13.76%
Pulmonart, medium to high	0.600	20	75	2.19%	20	37	1.80%	24	50	1.58%	21	162	1.87%
Pulmonary, low	0.227	10	390	11.38%	11	203	9.87%	12	325	10.28%	11	918	10.62%
Renal, medium to extra high	0.855	33	22	0.64%	27	19	0.92%	27	31	0.98%	30	72	0.83%
Renal, low	0.304	31	69	2.01%	33	24	1.17%	31	60	1.90%	33	153	1.77%
Skeletal, medium	0.586	12	132	3.85%	12	77	3.75%	9	138	4.37%	12	347	4.01%
Skeletal, very low to low	0.362	1	548	15.99%	2	245	11.92%	1	495	15.66%	1	1,288	14.90%
Skin, low to high	0.941	35	11	0.32%	34	7	0.34%	35	13	0.41%	35	31	0.36%
Skin, very low	0.132	25	220	6.42%	25	140	6.81%	23	234	7.40%	24	594	6.87%
Substance abuse, low	0.289	21	130	3.79%	19	80	3.89%	18	136	4.30%	20	346	4.00%
Population Statistics													
No Classified Disease Categories	N/A	N/A	942	27.49%	N/A	642	31.23%	N/A	902	28.54%	N/A	2,486	28.76%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	15	5.88%	N/A	24	10.21%	N/A	21	7.89%	N/A	60	7.94%
Age 15 to 24 Male	0.514	N/A	4	1.57%	N/A	2	0.85%	N/A	4	1.50%	N/A	10	1.32%
Age 25 to 44 Female	0.989	N/A	180	70.59%	N/A	146	62.13%	N/A	161	60.53%	N/A	487	64.42%
Age 25 to 44 Male	0.770	N/A	28	10.98%	N/A	33	14.04%	N/A	36	13.53%	N/A	97	12.83%
Age 45 and Older Female	1.353	N/A	18	7.06%	N/A	20	8.51%	N/A	34	12.78%	N/A	72	9.52%
Age 45 and Older Male	1.362	N/A	10	3.92%	N/A	10	4.26%	N/A	10	3.76%	N/A	30	3.97%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	3,427	2,056	3,161	8,644
Unadjusted Plan Factor	1.030	0.964	1.021	1.011
Budget Neutral Plan Factor	1.018	0.954	1.010	1.000
Unscored Members				
Member Months	255	235	266	756
Unadjusted Plan Factor	0.994	0.994	1.008	0.999
Budget Neutral Plan Factor	0.995	0.995	1.009	1.000
Total Members				
Member Months	3,682	2,291	3,427	9,400
Unadjusted Plan Factor	1.027	0.968	1.020	1.010
Budget Neutral Plan Factor	1.017	0.958	1.010	1.000

Exhibit 3E
Mississippi Division of Medicaid
Risk Adjustment Results
MA Adult - Central Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members											
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	3,914	100.00%	N/A	2,644	100.00%	N/A	3,710	100.00%	N/A	10,268	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	255	6.52%	N/A	267	10.10%	N/A	306	8.25%	N/A	828	8.06%
Age 15 to 24 Male	0.000	N/A	7	0.18%	N/A	5	0.19%	N/A	16	0.43%	N/A	28	0.27%
Age 25 to 44 Female	0.236	N/A	2,967	75.80%	N/A	2,032	76.85%	N/A	2,704	72.88%	N/A	7,703	75.02%
Age 25 to 44 Male	0.058	N/A	183	4.68%	N/A	138	5.22%	N/A	202	5.44%	N/A	523	5.09%
Age 45 and Older Female	0.245	N/A	413	10.55%	N/A	150	5.67%	N/A	398	10.73%	N/A	961	9.36%
Age 45 and Older Male	0.365	N/A	89	2.27%	N/A	52	1.97%	N/A	84	2.26%	N/A	225	2.19%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	248	6.34%	N/A	218	8.25%	N/A	252	6.79%	N/A	718	6.99%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	127	3.24%	N/A	106	4.01%	N/A	169	4.56%	N/A	402	3.92%
Diagnosis Period Duration, 12 Months	0.000	N/A	3,539	90.42%	N/A	2,320	87.75%	N/A	3,289	88.65%	N/A	9,148	89.09%
Disease Categories													
Cancer, high to very high	3.752	17	16	0.41%	18	9	0.34%	19	14	0.38%	17	39	0.38%
Cancer, medium	0.997	26	37	0.95%	26	21	0.79%	25	34	0.92%	25	92	0.90%
Cancer, low	0.364	37	14	0.36%	39	10	0.38%	39	16	0.43%	38	40	0.39%
Cardiovascular, very high	1.914	39	1	0.03%	38	2	0.08%	37	4	0.11%	39	7	0.07%
Cardiovascular, medium	0.601	12	140	3.58%	12	89	3.37%	12	135	3.64%	12	364	3.54%
Cardiovascular, low	0.315	19	152	3.88%	19	85	3.21%	20	151	4.07%	20	388	3.78%
Cardiovascular, extra low	0.122	3	1,161	29.66%	4	681	25.76%	4	1,069	28.81%	4	2,911	28.35%
CNS, medium to high	0.836	29	35	0.89%	29	19	0.72%	26	40	1.08%	27	94	0.92%
CNS, low	0.419	8	263	6.72%	9	138	5.22%	8	245	6.60%	8	646	6.29%
Diabetes, type 1 high	2.432	38	2	0.05%	37	2	0.08%	38	3	0.08%	37	7	0.07%
Diabetes, type 1 medium	1.612	18	32	0.82%	25	13	0.49%	17	36	0.97%	19	81	0.79%
Diabetes, type 2 medium	1.043	13	80	2.04%	15	40	1.51%	13	76	2.05%	13	196	1.91%
Diabetes, type 2 low	0.375	7	302	7.72%	13	138	5.22%	10	251	6.77%	9	691	6.73%
DD, low to medium	0.613	40	3	0.08%	40	1	0.04%	40	2	0.05%	40	6	0.06%
Eye, very low to low	0.324	24	119	3.04%	32	36	1.36%	27	87	2.35%	28	242	2.36%
Genital, extra low	0.118	27	286	7.31%	24	192	7.26%	29	234	6.31%	26	712	6.93%
Gastro, medium to high	0.933	9	103	2.63%	6	78	2.95%	7	113	3.05%	7	294	2.86%
Gastro, low	0.224	5	573	14.64%	7	305	11.54%	6	540	14.56%	6	1,418	13.81%
Hematological, low to extra high	0.318	30	84	2.15%	30	43	1.63%	31	76	2.05%	32	203	1.98%
AIDS, high	1.445	14	52	1.33%	14	29	1.10%	14	52	1.40%	14	133	1.30%
HIV, medium	1.320	35	13	0.33%	36	4	0.15%	36	10	0.27%	36	27	0.26%
Infectious, low to medium	0.578	22	72	1.84%	21	45	1.70%	22	74	1.99%	23	191	1.86%
Metabolic, high	0.857	31	31	0.79%	28	19	0.72%	32	26	0.70%	30	76	0.74%
Metabolic, medium	0.393	33	52	1.33%	34	27	1.02%	34	44	1.19%	33	123	1.20%
Metabolic, very low	0.138	34	133	3.40%	33	84	3.18%	33	126	3.40%	34	343	3.34%
Pregnancy, complete	0.160	16	392	10.02%	10	359	13.58%	16	409	11.02%	15	1,160	11.30%
Pregnancy, incomplete	0.997	4	138	3.53%	1	140	5.30%	2	158	4.26%	2	436	4.25%
Psychiatric, high	0.972	20	48	1.23%	22	25	0.95%	23	42	1.13%	22	115	1.12%
Psychiatric, medium	0.513	23	81	2.07%	20	52	1.97%	21	87	2.35%	21	220	2.14%
Psychiatric, medium low	0.321	2	471	12.03%	3	282	10.67%	3	416	11.21%	3	1,169	11.38%
Psychiatric, low	0.212	6	561	14.33%	5	365	13.80%	5	591	15.93%	5	1,517	14.77%
Pulmonart, medium to high	0.600	21	73	1.87%	17	59	2.23%	18	88	2.37%	18	220	2.14%
Pulmonary, low	0.227	11	403	10.30%	11	239	9.04%	11	407	10.97%	11	1,049	10.22%
Renal, medium to extra high	0.855	28	36	0.92%	27	24	0.91%	30	31	0.84%	29	91	0.89%
Renal, low	0.304	32	82	2.10%	31	41	1.55%	28	91	2.45%	31	214	2.08%
Skeletal, medium	0.586	10	160	4.09%	8	102	3.86%	9	173	4.66%	10	435	4.24%
Skeletal, very low to low	0.362	1	564	14.41%	2	288	10.89%	1	500	13.48%	1	1,352	13.17%
Skin, low to high	0.941	36	18	0.46%	35	9	0.34%	35	17	0.46%	35	44	0.43%
Skin, very low	0.132	25	287	7.33%	23	176	6.66%	24	277	7.47%	24	740	7.21%
Substance abuse, low	0.289	15	237	6.06%	16	138	5.22%	15	229	6.17%	16	604	5.88%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,134	28.97%	N/A	845	31.96%	N/A	1,055	28.44%	N/A	3,034	29.55%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	14	5.22%	N/A	18	6.92%	N/A	28	9.76%	N/A	60	7.36%
Age 15 to 24 Male	0.514	N/A	2	0.75%	N/A	2	0.77%	N/A	10	3.48%	N/A	14	1.72%
Age 25 to 44 Female	0.989	N/A	178	66.42%	N/A	171	65.77%	N/A	174	60.63%	N/A	523	64.17%
Age 25 to 44 Male	0.770	N/A	44	16.42%	N/A	37	14.23%	N/A	34	11.85%	N/A	115	14.11%
Age 45 and Older Female	1.353	N/A	21	7.84%	N/A	22	8.46%	N/A	32	11.15%	N/A	75	9.20%
Age 45 and Older Male	1.362	N/A	9	3.36%	N/A	10	3.85%	N/A	9	3.14%	N/A	28	3.44%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	3,914	2,644	3,710	10,268
Unadjusted Plan Factor	1.019	0.958	1.036	1.010
Budget Neutral Plan Factor	1.009	0.949	1.026	1.000
Unscored Members				
Member Months	268	260	287	815
Unadjusted Plan Factor	0.987	0.995	0.992	0.991
Budget Neutral Plan Factor	0.996	1.003	1.001	1.000
Total Members				
Member Months	4,182	2,904	3,997	11,083
Unadjusted Plan Factor	1.017	0.962	1.033	1.008
Budget Neutral Plan Factor	1.008	0.954	1.024	1.000

Exhibit 3F

Mississippi Division of Medicaid

Risk Adjustment Results

MA Adult - South Region - Q1 to Q2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members											
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	4,828	100.00%	N/A	3,986	100.00%	N/A	5,894	100.00%	N/A	14,708	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	318	6.59%	N/A	401	10.06%	N/A	432	7.33%	N/A	1,151	7.83%
Age 15 to 24 Male	0.000	N/A	14	0.29%	N/A	21	0.53%	N/A	14	0.24%	N/A	49	0.33%
Age 25 to 44 Female	0.236	N/A	3,436	71.17%	N/A	2,817	70.67%	N/A	4,123	69.95%	N/A	10,376	70.55%
Age 25 to 44 Male	0.058	N/A	395	8.18%	N/A	327	8.20%	N/A	500	8.48%	N/A	1,222	8.31%
Age 45 and Older Female	0.245	N/A	530	10.98%	N/A	318	7.98%	N/A	611	10.37%	N/A	1,459	9.92%
Age 45 and Older Male	0.365	N/A	135	2.80%	N/A	102	2.56%	N/A	214	3.63%	N/A	451	3.07%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	229	4.74%	N/A	209	5.24%	N/A	314	5.33%	N/A	752	5.11%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	196	4.06%	N/A	164	4.11%	N/A	209	3.55%	N/A	569	3.87%
Diagnosis Period Duration, 12 Months	0.000	N/A	4,403	91.20%	N/A	3,613	90.64%	N/A	5,371	91.13%	N/A	13,387	91.02%
Disease Categories													
Cancer, high to very high	3.752	24	12	0.25%	21	13	0.33%	21	22	0.37%	22	47	0.32%
Cancer, medium	0.997	32	34	0.70%	25	31	0.78%	24	56	0.95%	24	121	0.82%
Cancer, low	0.364	36	34	0.70%	38	20	0.50%	39	29	0.49%	38	83	0.56%
Cardiovascular, very high	1.914	39	3	0.06%	37	6	0.15%	38	6	0.10%	39	15	0.10%
Cardiovascular, medium	0.601	13	169	3.50%	13	125	3.14%	13	213	3.61%	13	507	3.45%
Cardiovascular, low	0.315	15	249	5.16%	16	200	5.02%	17	300	5.09%	16	749	5.09%
Cardiovascular, extra low	0.122	8	1,212	25.10%	7	879	22.05%	6	1,555	26.38%	8	3,646	24.79%
CNS, medium to high	0.836	27	48	0.99%	32	21	0.53%	25	66	1.12%	28	135	0.92%
CNS, low	0.419	5	412	8.53%	6	302	7.58%	5	508	8.62%	5	1,222	8.31%
Diabetes, type 1 high	2.432	37	5	0.10%	34	7	0.18%	37	7	0.12%	36	19	0.13%
Diabetes, type 1 medium	1.612	20	41	0.85%	20	32	0.80%	19	55	0.93%	20	128	0.87%
Diabetes, type 2 medium	1.043	14	93	1.93%	22	42	1.05%	14	111	1.88%	14	246	1.67%
Diabetes, type 2 low	0.375	10	309	6.40%	14	190	4.77%	12	360	6.11%	12	859	5.84%
DD, low to medium	0.613	40	6	0.12%	40	4	0.10%	40	5	0.08%	40	15	0.10%
Eye, very low to low	0.324	25	135	2.80%	35	49	1.23%	31	125	2.12%	30	309	2.10%
Genital, extra low	0.118	29	322	6.67%	26	255	6.40%	26	426	7.23%	27	1,003	6.82%
Gastro, medium to high	0.933	3	192	3.98%	3	170	4.26%	3	260	4.41%	3	622	4.23%
Gastro, low	0.224	6	760	15.74%	9	429	10.76%	7	809	13.73%	7	1,998	13.58%
Hematological, low to extra high	0.318	28	119	2.46%	27	93	2.33%	32	100	1.70%	31	312	2.12%
AIDS, high	1.445	16	54	1.12%	18	38	0.95%	16	70	1.19%	17	162	1.10%
HIV, medium	1.320	38	9	0.19%	39	4	0.10%	36	13	0.22%	37	26	0.18%
Infectious, low to medium	0.578	17	134	2.78%	17	100	2.51%	18	154	2.61%	19	388	2.64%
Metabolic, high	0.857	30	44	0.91%	33	20	0.50%	30	48	0.81%	32	112	0.76%
Metabolic, medium	0.393	33	71	1.47%	30	48	1.20%	35	57	0.97%	33	176	1.20%
Metabolic, very low	0.138	35	144	2.98%	36	113	2.83%	33	193	3.27%	35	450	3.06%
Pregnancy, complete	0.160	21	409	8.47%	12	487	12.22%	20	539	9.14%	18	1,435	9.76%
Pregnancy, incomplete	0.997	7	167	3.46%	4	152	3.81%	8	163	2.77%	6	482	3.28%
Psychiatric, high	0.972	23	47	0.97%	28	28	0.70%	27	48	0.81%	25	123	0.84%
Psychiatric, medium	0.513	19	137	2.84%	15	123	3.09%	15	201	3.41%	15	461	3.13%
Psychiatric, medium low	0.321	2	672	13.92%	2	520	13.05%	2	853	14.47%	2	2,045	13.90%
Psychiatric, low	0.212	4	843	17.46%	5	664	16.66%	4	1,110	18.83%	4	2,617	17.79%
Pulmonart, medium to high	0.600	18	123	2.55%	19	88	2.21%	22	131	2.22%	21	342	2.33%
Pulmonary, low	0.227	11	504	10.44%	11	398	9.98%	11	629	10.67%	11	1,531	10.41%
Renal, medium to extra high	0.855	26	49	1.01%	24	37	0.93%	28	52	0.88%	26	138	0.94%
Renal, low	0.304	31	122	2.53%	29	88	2.21%	29	143	2.43%	29	353	2.40%
Skeletal, medium	0.586	9	212	4.39%	8	173	4.34%	9	264	4.48%	9	649	4.41%
Skeletal, very low to low	0.362	1	751	15.56%	1	489	12.27%	1	1,003	17.02%	1	2,243	15.25%
Skin, low to high	0.941	34	24	0.50%	31	19	0.48%	34	27	0.46%	34	70	0.48%
Skin, very low	0.132	22	361	7.48%	23	280	7.02%	23	445	7.55%	23	1,086	7.38%
Substance abuse, low	0.289	12	394	8.16%	10	319	8.00%	10	532	9.03%	10	1,245	8.46%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,387	28.73%	N/A	1,262	31.66%	N/A	1,614	27.38%	N/A	4,263	28.98%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	25	8.87%	N/A	17	7.11%	N/A	33	10.38%	N/A	75	8.94%
Age 15 to 24 Male	0.514	N/A	2	0.71%	N/A	3	1.26%	N/A	4	1.26%	N/A	9	1.07%
Age 25 to 44 Female	0.989	N/A	195	69.15%	N/A	151	63.18%	N/A	194	61.01%	N/A	540	64.36%
Age 25 to 44 Male	0.770	N/A	33	11.70%	N/A	33	13.81%	N/A	53	16.67%	N/A	119	14.18%
Age 45 and Older Female	1.353	N/A	12	4.26%	N/A	22	9.21%	N/A	21	6.60%	N/A	55	6.56%
Age 45 and Older Male	1.362	N/A	15	5.32%	N/A	13	5.44%	N/A	13	4.09%	N/A	41	4.89%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	4,828	3,986	5,894	14,708
Unadjusted Plan Factor	1.054	0.994	1.065	1.042
Budget Neutral Plan Factor	1.011	0.954	1.022	1.000
Unscored Members				
Member Months	282	239	318	839
Unadjusted Plan Factor	0.990	1.002	0.979	0.989
Budget Neutral Plan Factor	1.000	1.013	0.990	1.000
Total Members				
Member Months	5,110	4,225	6,212	15,547
Unadjusted Plan Factor	1.050	0.994	1.060	1.039
Budget Neutral Plan Factor	1.011	0.957	1.020	1.000

Exhibit 3G
Mississippi Division of Medicaid
Risk Adjustment Results
MA Children - North Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

Scored Members														
	Risk Weight	Magnolia			Molina			United			Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept		0.539	N/A	23,422	100.00%	N/A	10,177	100.00%	N/A	21,503	100.00%	N/A	55,102	100.00%
Demographic Categories														
Age 1 to 5 Male	0.133	N/A	3,268	13.95%	N/A	1,996	19.61%	N/A	3,197	14.87%	N/A	8,461	15.36%	
Age 1 to 5 Female	0.068	N/A	3,364	14.36%	N/A	2,031	19.96%	N/A	3,203	14.90%	N/A	8,598	15.60%	
Age 6 to 12 Male	0.047	N/A	4,239	18.10%	N/A	1,790	17.59%	N/A	3,830	17.81%	N/A	9,859	17.89%	
Age 6 to 12 Female	0.049	N/A	4,460	19.04%	N/A	1,798	17.67%	N/A	3,924	18.25%	N/A	10,182	18.48%	
Age 13 to 18 Male	0.000	N/A	3,969	16.95%	N/A	1,243	12.21%	N/A	3,603	16.76%	N/A	8,815	16.00%	
Age 13 to 18 Female	0.297	N/A	4,122	17.60%	N/A	1,319	12.96%	N/A	3,746	17.42%	N/A	9,187	16.67%	
Disease Categories														
Cancer, very high	27.677	40	0	0.00%	22	1	0.01%	32	1	0.00%	31	2	0.00%	
Cancer, high	4.235	28	9	0.04%	27	4	0.04%	24	14	0.07%	26	27	0.05%	
Cancer, medium	3.414	19	23	0.10%	30	4	0.04%	20	21	0.10%	21	48	0.09%	
Cancer, low	0.629	39	2	0.01%	36	2	0.02%	40	3	0.01%	40	7	0.01%	
Cardiovascular, very high	5.998	33	2	0.01%	39	0	0.00%	35	2	0.01%	35	4	0.01%	
Cardiovascular, medium	0.760	21	90	0.38%	20	42	0.41%	23	78	0.36%	22	210	0.38%	
Cardiovascular, extra low to low	0.593	3	1,169	4.99%	3	379	3.72%	3	1,129	5.25%	3	2,677	4.86%	
Cerebrovascular, low	0.316	38	7	0.03%	38	2	0.02%	38	9	0.04%	39	18	0.03%	
CNS, high	10.392	29	3	0.01%	31	1	0.01%	25	5	0.02%	29	9	0.02%	
CNS, medium	1.647	30	15	0.06%	28	10	0.10%	30	24	0.11%	30	49	0.09%	
CNS, low	0.575	9	356	1.52%	10	161	1.58%	11	341	1.59%	11	858	1.56%	
DD, low to medium	2.162	23	26	0.11%	25	10	0.10%	18	40	0.19%	20	76	0.14%	
Diabetes, type 2 low	2.030	5	172	0.73%	9	49	0.48%	8	140	0.65%	8	361	0.66%	
Eye, very low to low	0.349	25	145	0.62%	29	43	0.42%	26	127	0.59%	28	315	0.57%	
Genital, extra low	0.361	24	151	0.64%	23	66	0.65%	27	121	0.56%	24	338	0.61%	
Gastro, high	5.482	20	14	0.06%	16	9	0.09%	16	20	0.09%	17	43	0.08%	
Gastro, medium	1.521	22	40	0.17%	24	15	0.15%	21	44	0.20%	23	99	0.18%	
Gastro, low	0.386	4	937	4.00%	4	446	4.38%	5	859	3.99%	4	2,242	4.07%	
Hematological, low to extra high	0.598	18	135	0.58%	17	73	0.72%	19	141	0.66%	18	349	0.63%	
AIDS, high	1.527	17	60	0.26%	18	22	0.22%	22	39	0.18%	19	121	0.22%	
HIV, medium	1.204	35	4	0.02%	37	1	0.01%	39	2	0.01%	37	7	0.01%	
Infectious, low to medium	0.197	27	227	0.97%	21	150	1.47%	29	210	0.98%	25	587	1.07%	
Metabolic, medium to high	1.382	15	107	0.46%	12	52	0.51%	12	130	0.60%	12	289	0.52%	
Metabolic, very low	0.506	10	395	1.69%	8	224	2.20%	10	408	1.90%	9	1,027	1.86%	
Pregnancy, incomplete	2.708	16	45	0.19%	19	12	0.12%	17	34	0.16%	16	91	0.17%	
Psychiatric, high	2.650	34	4	0.02%	32	3	0.03%	31	11	0.05%	32	18	0.03%	
Psychiatric, medium	1.509	8	169	0.72%	5	97	0.95%	4	241	1.12%	6	507	0.92%	
Psychiatric, medium low	1.218	1	2,737	11.69%	1	893	8.77%	1	2,505	11.65%	1	6,135	11.13%	
Psychiatric, low	0.619	6	537	2.29%	6	202	1.98%	6	531	2.47%	5	1,270	2.30%	
Pulmonary, high	7.062	13	23	0.10%	11	13	0.13%	9	34	0.16%	10	70	0.13%	
Pulmonary, low to medium	0.502	2	2,716	11.60%	2	1,051	10.33%	2	2,436	11.33%	2	6,203	11.26%	
Renal, extra high	13.306	40	0	0.00%	39	0	0.00%	41	0	0.00%	41	0	0.00%	
Renal, very high	1.565	31	15	0.06%	34	3	0.03%	33	12	0.06%	33	30	0.05%	
Renal, medium	0.837	37	5	0.02%	35	3	0.03%	36	10	0.05%	36	18	0.03%	
Renal, low	0.295	26	167	0.71%	26	63	0.62%	28	144	0.67%	27	374	0.68%	
Skeletal, medium	0.567	11	289	1.23%	13	114	1.12%	15	264	1.23%	14	667	1.21%	
Skeletal, low	0.437	12	374	1.60%	15	135	1.33%	13	363	1.69%	13	872	1.58%	
Skeletal, very low	0.278	7	1,177	5.03%	7	433	4.25%	7	1,141	5.31%	7	2,751	4.99%	
Skin, high	1.516	36	3	0.01%	39	0	0.00%	37	2	0.01%	38	5	0.01%	
Skin, very low to low	0.188	14	847	3.62%	14	338	3.32%	14	817	3.80%	15	2,002	3.63%	
Substance abuse, very low to low	0.381	32	57	0.24%	33	16	0.16%	34	39	0.18%	34	112	0.20%	
Population Statistics														
No Classified Disease Categories	N/A	N/A	14,427	61.60%	N/A	6,605	64.90%	N/A	13,093	60.89%	N/A	34,125	61.93%	

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	102	20.86%	N/A	76	17.51%	N/A	112	20.25%	N/A	290	19.65%
Age 1 to 5 Female	0.833	N/A	73	14.93%	N/A	82	18.89%	N/A	85	15.37%	N/A	240	16.26%
Age 6 to 12 Male	1.046	N/A	85	17.38%	N/A	83	19.12%	N/A	104	18.81%	N/A	272	18.43%
Age 6 to 12 Female	0.896	N/A	91	18.61%	N/A	75	17.28%	N/A	97	17.54%	N/A	263	17.82%
Age 13 to 18 Male	1.007	N/A	56	11.45%	N/A	61	14.06%	N/A	73	13.20%	N/A	190	12.87%
Age 13 to 18 Female	1.292	N/A	82	16.77%	N/A	57	13.13%	N/A	82	14.83%	N/A	221	14.97%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	23,422	10,177	21,503	55,102
Unadjusted Plan Factor	1.032	0.978	1.054	1.030
Budget Neutral Plan Factor	1.002	0.949	1.023	1.000
Unscored Members				
Member Months	489	434	553	1,476
Unadjusted Plan Factor	1.004	0.990	0.999	0.998
Budget Neutral Plan Factor	1.006	0.992	1.001	1.000
Total Members				
Member Months	23,911	10,611	22,056	56,578
Unadjusted Plan Factor	1.031	0.979	1.052	1.030
Budget Neutral Plan Factor	1.002	0.951	1.022	1.000

Exhibit 3H

Mississippi Division of Medicaid

Risk Adjustment Results

MA Children - Central Region - Q1 to Q2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

Scored Members														
	Risk Weight	Magnolia			Molina			United			Total			
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept		0.539	N/A	28,381	100.00%	N/A	13,284	100.00%	N/A	25,184	100.00%	N/A	66,849	100.00%
Demographic Categories														
Age 1 to 5 Male	0.133	N/A	4,128	14.54%	N/A	2,731	20.56%	N/A	3,891	15.45%	N/A	10,750	16.08%	
Age 1 to 5 Female	0.068	N/A	3,936	13.87%	N/A	2,676	20.14%	N/A	3,864	15.34%	N/A	10,476	15.67%	
Age 6 to 12 Male	0.047	N/A	5,125	18.06%	N/A	2,298	17.30%	N/A	4,454	17.69%	N/A	11,877	17.77%	
Age 6 to 12 Female	0.049	N/A	5,235	18.45%	N/A	2,295	17.28%	N/A	4,469	17.75%	N/A	11,999	17.95%	
Age 13 to 18 Male	0.000	N/A	4,804	16.93%	N/A	1,653	12.44%	N/A	4,218	16.75%	N/A	10,675	15.97%	
Age 13 to 18 Female	0.297	N/A	5,153	18.16%	N/A	1,631	12.28%	N/A	4,288	17.03%	N/A	11,072	16.56%	
Disease Categories														
Cancer, very high	27.677	41	0	0.00%	25	1	0.01%	32	1	0.00%	33	2	0.00%	
Cancer, high	4.235	29	9	0.03%	30	4	0.03%	28	10	0.04%	29	23	0.03%	
Cancer, medium	3.414	17	39	0.14%	19	12	0.09%	21	26	0.10%	18	77	0.12%	
Cancer, low	0.629	40	3	0.01%	39	1	0.01%	39	4	0.02%	41	8	0.01%	
Cardiovascular, very high	5.998	35	1	0.00%	40	0	0.00%	35	2	0.01%	37	3	0.00%	
Cardiovascular, medium	0.760	26	64	0.23%	24	38	0.29%	26	65	0.26%	27	167	0.25%	
Cardiovascular, extra low to low	0.593	3	1,319	4.65%	3	471	3.55%	3	1,202	4.77%	3	2,992	4.48%	
Cerebrovascular, low	0.316	39	9	0.03%	37	5	0.04%	41	6	0.02%	40	20	0.03%	
CNS, high	10.392	22	7	0.02%	29	2	0.02%	29	4	0.02%	26	13	0.02%	
CNS, medium	1.647	28	29	0.10%	28	13	0.10%	22	41	0.16%	25	83	0.12%	
CNS, low	0.575	9	443	1.56%	9	211	1.59%	8	420	1.67%	9	1,074	1.61%	
DD, low to medium	2.162	19	51	0.18%	23	14	0.11%	18	53	0.21%	19	118	0.18%	
Diabetes, type 2 low	2.030	6	193	0.68%	10	59	0.44%	6	180	0.71%	6	432	0.65%	
Eye, very low to low	0.349	24	169	0.60%	27	62	0.47%	27	128	0.51%	28	359	0.54%	
Genital, extra low	0.361	25	150	0.53%	22	86	0.65%	24	145	0.58%	24	381	0.57%	
Gastro, high	5.482	21	15	0.05%	18	8	0.06%	19	20	0.08%	20	43	0.06%	
Gastro, medium	1.521	20	57	0.20%	21	21	0.16%	20	61	0.24%	21	139	0.21%	
Gastro, low	0.386	4	1,134	4.00%	4	639	4.81%	4	1,109	4.40%	4	2,882	4.31%	
Hematological, low to extra high	0.598	18	206	0.73%	16	98	0.74%	17	195	0.77%	17	499	0.75%	
AIDS, high	1.527	30	24	0.08%	31	11	0.08%	30	24	0.10%	30	59	0.09%	
HIV, medium	1.204	34	11	0.04%	35	6	0.05%	36	9	0.04%	35	26	0.04%	
Infectious, low to medium	0.197	27	244	0.86%	20	207	1.56%	25	265	1.05%	23	716	1.07%	
Metabolic, medium to high	1.382	14	122	0.43%	15	53	0.40%	15	119	0.47%	15	294	0.44%	
Metabolic, very low	0.506	10	496	1.75%	6	312	2.35%	10	411	1.63%	10	1,219	1.82%	
Pregnancy, incomplete	2.708	15	50	0.18%	17	20	0.15%	16	48	0.19%	16	118	0.18%	
Psychiatric, high	2.650	31	12	0.04%	33	3	0.02%	31	13	0.05%	31	28	0.04%	
Psychiatric, medium	1.509	7	233	0.82%	8	85	0.64%	7	218	0.87%	7	536	0.80%	
Psychiatric, medium low	1.218	1	3,447	12.15%	1	1,092	8.22%	1	2,998	11.90%	1	7,537	11.27%	
Psychiatric, low	0.619	5	680	2.40%	7	233	1.75%	5	599	2.38%	5	1,512	2.26%	
Pulmonary, high	7.062	16	19	0.07%	5	25	0.19%	13	25	0.10%	12	69	0.10%	
Pulmonary, low to medium	0.502	2	3,439	12.12%	2	1,440	10.84%	2	3,053	12.12%	2	7,932	11.87%	
Renal, extra high	13.306	33	1	0.00%	40	0	0.00%	33	2	0.01%	34	3	0.00%	
Renal, very high	1.565	36	3	0.01%	34	5	0.04%	37	5	0.02%	36	13	0.02%	
Renal, medium	0.837	38	5	0.02%	36	5	0.04%	40	3	0.01%	39	13	0.02%	
Renal, low	0.295	23	231	0.81%	26	89	0.67%	23	189	0.75%	22	509	0.76%	
Skeletal, medium	0.567	11	423	1.49%	14	140	1.05%	11	351	1.39%	11	914	1.37%	
Skeletal, low	0.437	12	469	1.65%	12	206	1.55%	12	417	1.66%	13	1,092	1.63%	
Skeletal, very low	0.278	8	984	3.47%	11	407	3.06%	9	844	3.35%	8	2,235	3.34%	
Skin, high	1.516	37	3	0.01%	38	1	0.01%	38	5	0.02%	38	9	0.01%	
Skin, very low to low	0.188	13	902	3.18%	13	427	3.21%	14	875	3.47%	14	2,204	3.30%	
Substance abuse, very low to low	0.381	32	63	0.22%	32	28	0.21%	34	67	0.27%	32	158	0.24%	
Population Statistics														
No Classified Disease Categories	N/A	N/A	17,678	62.29%	N/A	8,756	65.91%	N/A	15,653	62.15%	N/A	42,087	62.96%	

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	83	19.48%	N/A	76	15.90%	N/A	95	19.51%	N/A	254	18.26%
Age 1 to 5 Female	0.833	N/A	84	19.72%	N/A	77	16.11%	N/A	92	18.89%	N/A	253	18.19%
Age 6 to 12 Male	1.046	N/A	73	17.14%	N/A	96	20.08%	N/A	78	16.02%	N/A	247	17.76%
Age 6 to 12 Female	0.896	N/A	78	18.31%	N/A	76	15.90%	N/A	82	16.84%	N/A	236	16.97%
Age 13 to 18 Male	1.007	N/A	57	13.38%	N/A	69	14.44%	N/A	70	14.37%	N/A	196	14.09%
Age 13 to 18 Female	1.292	N/A	51	11.97%	N/A	84	17.57%	N/A	70	14.37%	N/A	205	14.74%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	28,381	13,284	25,184	66,849
Unadjusted Plan Factor	1.036	0.966	1.044	1.025
Budget Neutral Plan Factor	1.011	0.942	1.018	1.000
Unscored Members				
Member Months	426	478	487	1,391
Unadjusted Plan Factor	0.983	1.011	0.992	0.995
Budget Neutral Plan Factor	0.987	1.015	0.997	1.000
Total Members				
Member Months	28,807	13,762	25,671	68,240
Unadjusted Plan Factor	1.035	0.968	1.043	1.025
Budget Neutral Plan Factor	1.011	0.945	1.018	1.000

Exhibit 3I
Mississippi Division of Medicaid
Risk Adjustment Results
MA Children - South Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	29,123	100.00%	N/A	16,947	100.00%	N/A	31,587	100.00%	N/A	77,657	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	4,345	14.92%	N/A	3,549	20.94%	N/A	4,803	15.21%	N/A	12,697	16.35%
Age 1 to 5 Female	0.068	N/A	4,144	14.23%	N/A	3,366	19.86%	N/A	4,571	14.47%	N/A	12,081	15.56%
Age 6 to 12 Male	0.047	N/A	5,414	18.59%	N/A	2,886	17.03%	N/A	5,858	18.55%	N/A	14,158	18.23%
Age 6 to 12 Female	0.049	N/A	5,492	18.86%	N/A	2,928	17.28%	N/A	5,849	18.52%	N/A	14,269	18.37%
Age 13 to 18 Male	0.000	N/A	4,755	16.33%	N/A	2,126	12.54%	N/A	5,207	16.48%	N/A	12,088	15.57%
Age 13 to 18 Female	0.297	N/A	4,973	17.08%	N/A	2,092	12.34%	N/A	5,299	16.78%	N/A	12,364	15.92%
Disease Categories													
Cancer, very high	27.677	40	0	0.00%	38	0	0.00%	32	1	0.00%	34	1	0.00%
Cancer, high	4.235	27	12	0.04%	21	9	0.05%	22	22	0.07%	24	43	0.06%
Cancer, medium	3.414	20	26	0.09%	28	8	0.05%	17	39	0.12%	20	73	0.09%
Cancer, low	0.629	37	10	0.03%	38	0	0.00%	41	4	0.01%	40	14	0.02%
Cardiovascular, very high	5.998	33	4	0.01%	38	0	0.00%	35	2	0.01%	33	6	0.01%
Cardiovascular, medium	0.760	22	100	0.34%	24	47	0.28%	25	103	0.33%	23	250	0.32%
Cardiovascular, extra low to low	0.593	3	1,425	4.89%	3	598	3.53%	3	1,806	5.72%	3	3,829	4.93%
Cerebrovascular, low	0.316	39	6	0.02%	37	5	0.03%	40	11	0.03%	41	22	0.03%
CNS, high	10.392	29	4	0.01%	29	2	0.01%	30	5	0.02%	29	11	0.01%
CNS, medium	1.647	30	20	0.07%	26	21	0.12%	28	37	0.12%	28	78	0.10%
CNS, low	0.575	10	391	1.34%	10	243	1.43%	9	481	1.52%	10	1,115	1.44%
DD, low to medium	2.162	21	40	0.14%	25	16	0.09%	20	45	0.14%	21	101	0.13%
Diabetes, type 2 low	2.030	7	175	0.60%	11	65	0.38%	7	206	0.65%	7	446	0.57%
Eye, very low to low	0.349	24	184	0.63%	27	88	0.52%	27	179	0.57%	27	451	0.58%
Genital, extra low	0.361	26	157	0.54%	20	108	0.64%	24	223	0.71%	26	488	0.63%
Gastro, high	5.482	16	28	0.10%	15	18	0.11%	21	17	0.05%	16	63	0.08%
Gastro, medium	1.521	18	78	0.27%	22	25	0.15%	19	70	0.22%	19	173	0.22%
Gastro, low	0.386	4	1,417	4.87%	4	899	5.30%	5	1,629	5.16%	4	3,945	5.08%
Hematological, low to extra high	0.598	19	198	0.68%	17	125	0.74%	18	204	0.65%	18	527	0.68%
AIDS, high	1.527	28	29	0.10%	30	12	0.07%	31	32	0.10%	30	73	0.09%
HIV, medium	1.204	35	6	0.02%	35	4	0.02%	36	8	0.03%	35	18	0.02%
Infectious, low to medium	0.197	25	302	1.04%	18	265	1.56%	26	351	1.11%	25	918	1.18%
Metabolic, medium to high	1.382	12	157	0.54%	9	114	0.67%	11	188	0.60%	11	459	0.59%
Metabolic, very low	0.506	13	423	1.45%	7	357	2.11%	10	544	1.72%	9	1,324	1.70%
Pregnancy, incomplete	2.708	17	51	0.18%	19	18	0.11%	16	55	0.17%	17	124	0.16%
Psychiatric, high	2.650	32	10	0.03%	32	4	0.02%	29	21	0.07%	31	35	0.05%
Psychiatric, medium	1.509	5	320	1.10%	5	161	0.95%	4	444	1.41%	5	925	1.19%
Psychiatric, medium low	1.218	1	3,795	13.03%	1	1,612	9.51%	1	4,345	13.76%	1	9,752	12.56%
Psychiatric, low	0.619	6	607	2.08%	6	306	1.81%	6	832	2.63%	6	1,745	2.25%
Pulmonary, high	7.062	15	26	0.09%	13	18	0.11%	15	22	0.07%	15	66	0.08%
Pulmonary, low to medium	0.502	2	3,219	11.05%	2	1,621	9.57%	2	3,419	10.82%	2	8,259	10.64%
Renal, extra high	13.306	40	0	0.00%	38	0	0.00%	34	1	0.00%	39	1	0.00%
Renal, very high	1.565	34	5	0.02%	34	4	0.02%	38	3	0.01%	37	12	0.02%
Renal, medium	0.837	36	8	0.03%	36	4	0.02%	37	8	0.03%	38	20	0.03%
Renal, low	0.295	23	241	0.83%	23	127	0.75%	23	287	0.91%	22	655	0.84%
Skeletal, medium	0.567	11	391	1.34%	16	171	1.01%	12	437	1.38%	13	999	1.29%
Skeletal, low	0.437	14	471	1.62%	14	273	1.61%	14	543	1.72%	14	1,287	1.66%
Skeletal, very low	0.278	8	1,110	3.81%	8	585	3.45%	8	1,328	4.20%	8	3,023	3.89%
Skin, high	1.516	38	3	0.01%	31	7	0.04%	39	3	0.01%	36	13	0.02%
Skin, very low to low	0.188	9	1,201	4.12%	12	692	4.08%	13	1,303	4.13%	12	3,196	4.12%
Substance abuse, very low to low	0.381	31	74	0.25%	33	24	0.14%	33	63	0.20%	32	161	0.21%
Population Statistics													
No Classified Disease Categories	N/A	N/A	17,899	61.46%	N/A	11,051	65.21%	N/A	18,926	59.92%	N/A	47,876	61.65%

Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	91	17.33%	N/A	98	18.77%	N/A	123	19.40%	N/A	312	18.56%
Age 1 to 5 Female	0.833	N/A	95	18.10%	N/A	96	18.39%	N/A	114	17.98%	N/A	305	18.14%
Age 6 to 12 Male	1.046	N/A	103	19.62%	N/A	91	17.43%	N/A	103	16.25%	N/A	297	17.67%
Age 6 to 12 Female	0.896	N/A	99	18.86%	N/A	102	19.54%	N/A	122	19.24%	N/A	323	19.21%
Age 13 to 18 Male	1.007	N/A	67	12.76%	N/A	59	11.30%	N/A	84	13.25%	N/A	210	12.49%
Age 13 to 18 Female	1.292	N/A	70	13.33%	N/A	76	14.56%	N/A	88	13.88%	N/A	234	13.92%

Risk Adjustment Results				
	Magnolia	Molina	United	Total
Scored Members				
Member Months	29,123	16,947	31,587	77,657
Unadjusted Plan Factor	1.048	0.978	1.076	1.044
Budget Neutral Plan Factor	1.004	0.937	1.031	1.000
Unscored Members				
Member Months	525	522	634	1,681
Unadjusted Plan Factor	0.991	0.991	0.990	0.991
Budget Neutral Plan Factor	1.000	1.001	0.999	1.000
Total Members				
Member Months	29,648	17,469	32,221	79,338
Unadjusted Plan Factor	1.047	0.979	1.075	1.043
Budget Neutral Plan Factor	1.004	0.938	1.030	1.000

Exhibit 3J

Mississippi Division of Medicaid

Risk Adjustment Results

Quasi-CHIP - North Region - Q1 to Q2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.539	N/A	2,839	100.00%	N/A	1,200	100.00%	N/A	2,969	100.00%	N/A	7,008	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	755	26.59%	N/A	328	27.33%	N/A	766	25.80%	N/A	1,849	26.38%
Age 6 to 12 Female	0.049	N/A	722	25.43%	N/A	340	28.33%	N/A	765	25.77%	N/A	1,827	26.07%
Age 13 to 18 Male	0.000	N/A	681	23.99%	N/A	256	21.33%	N/A	747	25.16%	N/A	1,684	24.03%
Age 13 to 18 Female	0.297	N/A	681	23.99%	N/A	276	23.00%	N/A	691	23.27%	N/A	1,648	23.52%
Disease Categories													
Cancer, very high	27.677	38	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Cancer, high	4.235	28	1	0.04%	20	1	0.08%	27	2	0.07%	27	4	0.06%
Cancer, medium	3.414	25	2	0.07%	21	1	0.08%	19	4	0.13%	23	7	0.10%
Cancer, low	0.629	38	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Cardiovascular, very high	5.998	38	0	0.00%	33	0	0.00%	30	1	0.03%	32	1	0.01%
Cardiovascular, medium	0.760	17	17	0.60%	27	3	0.25%	22	17	0.57%	22	37	0.53%
Cardiovascular, extra low to low	0.593	3	141	4.97%	3	65	5.42%	3	166	5.59%	3	372	5.31%
Cerebrovascular, low	0.316	38	0	0.00%	33	0	0.00%	37	1	0.03%	39	1	0.01%
CNS, high	10.392	22	1	0.04%	13	1	0.08%	23	1	0.03%	21	3	0.04%
CNS, medium	1.647	35	1	0.04%	22	2	0.17%	25	6	0.20%	29	9	0.13%
CNS, low	0.575	10	44	1.55%	12	21	1.75%	15	37	1.25%	12	102	1.46%
DD, low to medium	2.162	20	5	0.18%	19	2	0.17%	16	9	0.30%	19	16	0.23%
Diabetes, type 2 low	2.030	4	23	0.81%	4	12	1.00%	6	25	0.84%	5	60	0.86%
Eye, very low to low	0.349	26	19	0.67%	28	5	0.42%	29	20	0.67%	28	44	0.63%
Genital, extra low	0.361	29	10	0.35%	25	7	0.58%	31	16	0.54%	30	33	0.47%
Gastro, high	5.482	19	2	0.07%	8	3	0.25%	14	4	0.13%	14	9	0.13%
Gastro, medium	1.521	14	11	0.39%	23	2	0.17%	17	10	0.34%	18	23	0.33%
Gastro, low	0.386	8	85	2.99%	9	40	3.33%	9	96	3.23%	8	221	3.15%
Hematological, low to extra high	0.598	27	11	0.39%	30	2	0.17%	24	17	0.57%	26	30	0.43%
AIDS, high	1.527	18	8	0.28%	33	0	0.00%	26	6	0.20%	24	14	0.20%
HIV, medium	1.204	37	1	0.04%	33	0	0.00%	38	0	0.00%	38	1	0.01%
Infectious, low to medium	0.197	33	9	0.32%	32	3	0.25%	36	9	0.30%	36	21	0.30%
Metabolic, medium to high	1.382	11	18	0.63%	14	7	0.58%	8	30	1.01%	9	55	0.78%
Metabolic, very low	0.506	21	21	0.74%	17	15	1.25%	20	27	0.91%	20	63	0.90%
Pregnancy, incomplete	2.708	23	3	0.11%	24	1	0.08%	13	9	0.30%	17	13	0.19%
Psychiatric, high	2.650	31	1	0.04%	33	0	0.00%	33	1	0.03%	33	2	0.03%
Psychiatric, medium	1.509	7	24	0.85%	5	14	1.17%	5	36	1.21%	6	74	1.06%
Psychiatric, medium low	1.218	1	363	12.79%	1	166	13.83%	1	438	14.75%	1	967	13.80%
Psychiatric, low	0.619	6	72	2.54%	6	29	2.42%	4	101	3.40%	4	202	2.88%
Pulmonary, high	7.062	15	2	0.07%	10	2	0.17%	18	2	0.07%	15	6	0.09%
Pulmonary, low to medium	0.502	2	303	10.67%	2	105	8.75%	2	320	10.78%	2	728	10.39%
Renal, extra high	13.306	16	1	0.04%	11	1	0.08%	21	1	0.03%	16	3	0.04%
Renal, very high	1.565	36	1	0.04%	29	1	0.08%	32	2	0.07%	31	4	0.06%
Renal, medium	0.837	34	2	0.07%	33	0	0.00%	34	3	0.10%	35	5	0.07%
Renal, low	0.295	24	27	0.95%	26	8	0.67%	28	28	0.94%	25	63	0.90%
Skeletal, medium	0.567	9	46	1.62%	16	16	1.33%	11	54	1.82%	11	116	1.66%
Skeletal, low	0.437	12	54	1.90%	15	22	1.83%	10	75	2.53%	10	151	2.15%
Skeletal, very low	0.278	5	165	5.81%	7	64	5.33%	7	170	5.73%	7	399	5.69%
Skin, high	1.516	30	2	0.07%	33	0	0.00%	38	0	0.00%	37	2	0.03%
Skin, very low to low	0.188	13	112	3.95%	18	38	3.17%	12	136	4.58%	13	286	4.08%
Substance abuse, very low to low	0.381	32	5	0.18%	31	2	0.17%	35	5	0.17%	34	12	0.17%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,751	61.68%	N/A	763	63.58%	N/A	1,719	57.90%	N/A	4,233	60.40%

Exhibit 3K
Mississippi Division of Medicaid
Risk Adjustment Results
Quasi-CHIP - Central Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

		Scored Members												
		Magnolia			Molina			United			Total			
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept		0.539	N/A	3,372	100.00%	N/A	1,302	100.00%	N/A	3,255	100.00%	N/A	7,929	100.00%
Demographic Categories														
Age 1 to 5 Male		0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female		0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male		0.047	N/A	829	24.58%	N/A	334	25.65%	N/A	828	25.44%	N/A	1,991	25.11%
Age 6 to 12 Female		0.049	N/A	818	24.26%	N/A	340	26.11%	N/A	779	23.93%	N/A	1,937	24.43%
Age 13 to 18 Male		0.000	N/A	864	25.62%	N/A	299	22.96%	N/A	825	25.35%	N/A	1,988	25.07%
Age 13 to 18 Female		0.297	N/A	861	25.53%	N/A	329	25.27%	N/A	823	25.28%	N/A	2,013	25.39%
Disease Categories														
Cancer, very high		27.677	33	0	0.00%	31	0	0.00%	39	0	0.00%	39	0	0.00%
Cancer, high		4.235	27	1	0.03%	19	1	0.08%	22	2	0.06%	23	4	0.05%
Cancer, medium		3.414	23	2	0.06%	9	4	0.31%	14	6	0.18%	16	12	0.15%
Cancer, low		0.629	33	0	0.00%	31	0	0.00%	39	0	0.00%	39	0	0.00%
Cardiovascular, very high		5.998	33	0	0.00%	31	0	0.00%	28	1	0.03%	33	1	0.01%
Cardiovascular, medium		0.760	26	6	0.18%	21	4	0.31%	25	10	0.31%	26	20	0.25%
Cardiovascular, extra low to low		0.593	3	164	4.86%	3	57	4.38%	3	170	5.22%	3	391	4.93%
Cerebrovascular, low		0.316	33	0	0.00%	30	1	0.08%	38	1	0.03%	38	2	0.03%
CNS, high		10.392	33	0	0.00%	31	0	0.00%	21	1	0.03%	28	1	0.01%
CNS, medium		1.647	18	6	0.18%	31	0	0.00%	23	5	0.15%	22	11	0.14%
CNS, low		0.575	12	35	1.04%	17	12	0.92%	13	46	1.41%	13	93	1.17%
DD, low to medium		2.162	13	9	0.27%	25	1	0.08%	20	5	0.15%	17	15	0.19%
Diabetes, type 2 low		2.030	4	27	0.80%	4	10	0.77%	4	30	0.92%	4	67	0.84%
Eye, very low to low		0.349	22	20	0.59%	26	4	0.31%	26	21	0.65%	25	45	0.57%
Genital, extra low		0.361	25	15	0.44%	28	3	0.23%	33	8	0.25%	30	26	0.33%
Gastro, high		5.482	24	1	0.03%	31	0	0.00%	19	2	0.06%	24	3	0.04%
Gastro, medium		1.521	19	6	0.18%	14	5	0.38%	32	2	0.06%	20	13	0.16%
Gastro, low		0.386	6	95	2.82%	8	46	3.53%	9	81	2.49%	8	222	2.80%
Hematological, low to extra high		0.598	17	17	0.50%	18	11	0.84%	17	24	0.74%	18	52	0.66%
AIDS, high		1.527	28	2	0.06%	31	0	0.00%	27	4	0.12%	31	6	0.08%
HIV, medium		1.204	33	0	0.00%	31	0	0.00%	36	1	0.03%	37	1	0.01%
Infectious, low to medium		0.197	32	5	0.15%	29	3	0.23%	37	6	0.18%	34	14	0.18%
Metabolic, medium to high		1.382	15	12	0.36%	12	8	0.61%	10	22	0.68%	11	42	0.53%
Metabolic, very low		0.506	16	22	0.65%	22	6	0.46%	18	24	0.74%	19	52	0.66%
Pregnancy, incomplete		2.708	14	7	0.21%	7	7	0.54%	15	7	0.22%	12	21	0.26%
Psychiatric, high		2.650	29	1	0.03%	24	1	0.08%	29	2	0.06%	27	4	0.05%
Psychiatric, medium		1.509	8	22	0.65%	10	9	0.69%	5	37	1.14%	6	68	0.86%
Psychiatric, medium low		1.218	1	467	13.85%	1	170	13.06%	1	460	14.13%	1	1,097	13.84%
Psychiatric, low		0.619	5	81	2.40%	5	32	2.46%	6	90	2.76%	5	203	2.56%
Pulmonary, high		7.062	21	1	0.03%	16	1	0.08%	11	4	0.12%	15	6	0.08%
Pulmonary, low to medium		0.502	2	397	11.77%	2	128	9.83%	2	375	11.52%	2	900	11.35%
Renal, extra high		13.306	33	0	0.00%	31	0	0.00%	39	0	0.00%	39	0	0.00%
Renal, very high		1.565	31	1	0.03%	20	2	0.15%	30	3	0.09%	29	6	0.08%
Renal, medium		0.837	33	0	0.00%	31	0	0.00%	34	2	0.06%	35	2	0.03%
Renal, low		0.295	20	25	0.74%	23	10	0.77%	24	27	0.83%	21	62	0.78%
Skeletal, medium		0.567	9	55	1.63%	11	23	1.77%	7	58	1.78%	9	136	1.72%
Skeletal, low		0.437	10	59	1.75%	13	20	1.54%	12	62	1.90%	10	141	1.78%
Skeletal, very low		0.278	7	124	3.68%	6	69	5.30%	8	117	3.59%	7	310	3.91%
Skin, high		1.516	33	0	0.00%	31	0	0.00%	35	1	0.03%	36	1	0.01%
Skin, very low to low		0.188	11	116	3.44%	15	39	3.00%	16	88	2.70%	14	243	3.06%
Substance abuse, very low to low		0.381	30	6	0.18%	27	3	0.23%	31	12	0.37%	32	21	0.26%
Population Statistics														
No Classified Disease Categories		N/A	N/A	2,092	62.04%	N/A	834	64.06%	N/A	2,033	62.46%	N/A	4,959	62.54%

Exhibit 3L
Mississippi Division of Medicaid
Risk Adjustment Results
Quasi-CHIP - South Region - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

Scored Members													
	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	2,733	100.00%	N/A	1,409	100.00%	N/A	3,447	100.00%	N/A	7,589	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	716	26.20%	N/A	382	27.11%	N/A	817	23.70%	N/A	1,915	25.23%
Age 6 to 12 Female	0.049	N/A	613	22.43%	N/A	375	26.61%	N/A	835	24.22%	N/A	1,823	24.02%
Age 13 to 18 Male	0.000	N/A	689	25.21%	N/A	314	22.29%	N/A	923	26.78%	N/A	1,926	25.38%
Age 13 to 18 Female	0.297	N/A	715	26.16%	N/A	338	23.99%	N/A	872	25.30%	N/A	1,925	25.37%
Disease Categories													
Cancer, very high	27.677	34	0	0.00%	30	0	0.00%	13	1	0.03%	18	1	0.01%
Cancer, high	4.235	25	1	0.04%	30	0	0.00%	23	2	0.06%	29	3	0.04%
Cancer, medium	3.414	27	1	0.04%	30	0	0.00%	18	4	0.12%	24	5	0.07%
Cancer, low	0.629	34	0	0.00%	26	1	0.07%	36	1	0.03%	38	2	0.03%
Cardiovascular, very high	5.998	34	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Cardiovascular, medium	0.760	26	5	0.18%	20	6	0.43%	24	11	0.32%	25	22	0.29%
Cardiovascular, extra low to low	0.593	3	157	5.74%	3	70	4.97%	3	257	7.46%	3	484	6.38%
Cerebrovascular, low	0.316	33	3	0.11%	29	1	0.07%	37	0	0.00%	37	4	0.05%
CNS, high	10.392	34	0	0.00%	11	1	0.07%	37	0	0.00%	30	1	0.01%
CNS, medium	1.647	23	3	0.11%	19	3	0.21%	25	5	0.15%	23	11	0.14%
CNS, low	0.575	12	34	1.24%	15	12	0.85%	11	54	1.57%	11	100	1.32%
DD, low to medium	2.162	17	5	0.18%	13	4	0.28%	17	8	0.23%	14	17	0.22%
Diabetes, type 2 low	2.030	5	25	0.91%	7	7	0.50%	6	32	0.93%	6	64	0.84%
Eye, very low to low	0.349	20	18	0.66%	25	2	0.14%	28	19	0.55%	27	39	0.51%
Genital, extra low	0.361	22	14	0.51%	23	8	0.57%	27	19	0.55%	26	41	0.54%
Gastro, high	5.482	21	1	0.04%	30	0	0.00%	14	5	0.15%	16	6	0.08%
Gastro, medium	1.521	15	9	0.33%	16	4	0.28%	19	8	0.23%	17	21	0.28%
Gastro, low	0.386	7	94	3.44%	6	42	2.98%	7	151	4.38%	7	287	3.78%
Hematological, low to extra high	0.598	18	12	0.44%	21	7	0.50%	22	15	0.44%	21	34	0.45%
AIDS, high	1.527	30	1	0.04%	24	1	0.07%	34	1	0.03%	33	3	0.04%
HIV, medium	1.204	34	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Infectious, low to medium	0.197	29	10	0.37%	27	3	0.21%	31	16	0.46%	32	29	0.38%
Metabolic, medium to high	1.382	11	15	0.55%	22	3	0.21%	15	19	0.55%	13	37	0.49%
Metabolic, very low	0.506	16	22	0.80%	18	10	0.71%	16	35	1.02%	15	67	0.88%
Pregnancy, incomplete	2.708	14	6	0.22%	30	0	0.00%	29	2	0.06%	19	8	0.11%
Psychiatric, high	2.650	28	1	0.04%	30	0	0.00%	20	4	0.12%	28	5	0.07%
Psychiatric, medium	1.509	4	38	1.39%	5	19	1.35%	4	60	1.74%	4	117	1.54%
Psychiatric, medium low	1.218	1	481	17.60%	1	250	17.74%	1	670	19.44%	1	1,401	18.46%
Psychiatric, low	0.619	6	70	2.56%	4	48	3.41%	5	117	3.39%	5	235	3.10%
Pulmonary, high	7.062	19	1	0.04%	14	1	0.07%	26	1	0.03%	20	3	0.04%
Pulmonary, low to medium	0.502	2	254	9.29%	2	106	7.52%	2	354	10.27%	2	714	9.41%
Renal, extra high	13.306	34	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Renal, very high	1.565	34	0	0.00%	30	0	0.00%	33	1	0.03%	36	1	0.01%
Renal, medium	0.837	34	0	0.00%	30	0	0.00%	32	3	0.09%	35	3	0.04%
Renal, low	0.295	24	16	0.59%	17	19	1.35%	21	34	0.99%	22	69	0.91%
Skeletal, medium	0.567	8	50	1.83%	9	23	1.63%	9	68	1.97%	9	141	1.86%
Skeletal, low	0.437	10	51	1.87%	10	26	1.85%	10	84	2.44%	10	161	2.12%
Skeletal, very low	0.278	9	100	3.66%	8	49	3.48%	8	165	4.79%	8	314	4.14%
Skin, high	1.516	31	1	0.04%	30	0	0.00%	35	1	0.03%	34	2	0.03%
Skin, very low to low	0.188	13	96	3.51%	12	48	3.41%	12	156	4.53%	12	300	3.95%
Substance abuse, very low to low	0.381	32	3	0.11%	28	1	0.07%	30	13	0.38%	31	17	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,671	61.14%	N/A	870	61.75%	N/A	1,936	56.16%	N/A	4,477	58.99%

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
September 2022 Snapshot Period

North Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	225	16.97%	107	42.29%	150	31.85%	482	23.51%
Money Code 3	Receiving IV-E Assistance	0.743	148	11.16%	60	23.72%	63	13.38%	271	13.22%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	889	67.04%	76	30.04%	215	45.65%	1,180	57.56%
Other	All other Money Codes	0.000	64	4.83%	10	3.95%	43	9.13%	117	5.71%
Unadjusted Plan Factor			0.729		1.017		0.860		0.795	
Member Months			1,326		253		471		2,050	
Budget Neutral Plan Factor			0.917		1.280		1.082		1.000	

Central Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	350	25.89%	135	47.20%	150	37.31%	635	31.13%
Money Code 3	Receiving IV-E Assistance	0.743	186	13.76%	73	25.52%	70	17.41%	329	16.13%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	766	56.66%	71	24.83%	151	37.56%	988	48.43%
Other	All other Money Codes	0.000	50	3.70%	7	2.45%	31	7.71%	88	4.31%
Unadjusted Plan Factor			0.819		1.070		0.932		0.876	
Member Months			1,352		286		402		2,040	
Budget Neutral Plan Factor			0.934		1.221		1.064		1.000	

South Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Intercept	Regression Intercept	Risk Weight	0.457	100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	302	15.75%	169	40.33%	201	31.36%	672	22.57%
Money Code 3	Receiving IV-E Assistance	0.743	252	13.14%	112	26.73%	107	16.69%	471	15.82%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	1,266	66.01%	130	31.03%	280	43.68%	1,676	56.28%
Other	All other Money Codes	0.000	98	5.11%	8	1.91%	53	8.27%	159	5.34%
Unadjusted Plan Factor			0.733		1.023		0.879		0.805	
Member Months			1,918		419		641		2,978	
Budget Neutral Plan Factor			0.910		1.271		1.092		1.000	

Exhibit 4A		
Mississippi Division of Medicaid		
Custom Risk Adjustment Weights Effective October 2018		
Non-Newborn SSI / Disabled		
	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.077	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 1 to 4	0.087	1.113
Age 5 to 14 Female	0.089	0.660
Age 5 to 14 Male	0.067	0.572
Age 15 to 24 Female	0.108	0.746
Age 15 to 24 Male	-	0.523
Age 25 to 44 Female	0.206	1.154
Age 25 to 44 Male	0.053	0.821
Age 45 to 64 Female	0.109	1.314
Age 45 to 64 Male	0.111	1.185
Age 65 and Older Male and Female	0.006	1.046
Duration Categories		
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A
Diagnosis Period Duration, 10 to 12 Months	-	N/A
Disease Categories		
Cancer, very high	4.640	N/A
Cancer, high	1.263	N/A
Cancer, medium	0.649	N/A
Cancer, low	0.148	N/A
Cardiovascular, very high	1.401	N/A
Cardiovascular, medium	0.570	N/A
Cardiovascular, medium - child	0.188	N/A
Cardiovascular, low	0.192	N/A
Cardiovascular, extra low	0.106	N/A
Cerebrovascular, low	0.153	N/A
CNS, medium to high	0.589	N/A
CNS, high - child	1.358	N/A
CNS, low	0.218	N/A
DD, low to medium	0.153	N/A
Diabetes, type 1 high	1.267	N/A
Diabetes, type 1 medium	0.683	N/A
Diabetes, type 2 medium	0.416	N/A
Diabetes, type 2 low	0.177	N/A
Eye, low	0.142	N/A
Eye, very low	0.107	N/A
Genital, extra low	0.070	N/A
Gastro, medium to high	0.523	N/A
Gastro, high - child	1.264	N/A
Gastro, low	0.127	N/A
Hematological, very high to extra high	1.633	N/A
Hematological, medium	0.705	N/A
Hematological, low	0.491	N/A
AIDS, high	1.699	N/A
HIV, medium	1.210	N/A
Infectious, low to medium	0.435	N/A
Metabolic, high	1.035	N/A
Metabolic, high - child	0.158	N/A
Metabolic, medium	0.396	N/A
Metabolic, very low	0.138	N/A
Pregnancy, incomplete	0.395	N/A
Psychiatric, high	0.677	N/A
Psychiatric, medium low to medium	0.264	N/A
Psychiatric, low	0.167	N/A
Pulmonary, very high	1.167	N/A
Pulmonary, very high - child	1.465	N/A
Pulmonary, high	0.593	N/A
Pulmonary, medium	0.475	N/A
Pulmonary, low	0.178	N/A
Renal, extra high	3.856	N/A
Renal, very high	0.489	N/A
Renal, low to medium	0.132	N/A
Skeletal, medium	0.308	N/A
Skeletal, very low to low	0.149	N/A
Skin, low - high	0.254	N/A
Skin, very low	0.090	N/A
Substance abuse, very low to low	0.153	N/A

Exhibit 4B

Mississippi Division of Medicaid

CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories

Non-Newborn SSI / Disabled

CDPS + Rx Abbreviation	CDPS + Rx Description	MississippiCAN Risk Weight Category	MississippiCAN Risk Weight
CANVH	Cancer, very high	Cancer, very high	4.640
CANH	Cancer, high	Cancer, high	1.263
CANM	Cancer, medium	Cancer, medium	0.649
CANL	Cancer, low	Cancer, low	0.148
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.401
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.570
CCARM	Cardiovascular, medium - child	Cardiovascular, medium - child	0.188
CARL	Cardiovascular, low	Cardiovascular, low	0.192
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.106
CERL	Cerebrovascular, low	Cerebrovascular, low	0.153
CNSH	CNS, high	CNS, medium to high	0.589
CCNSH	CNS, high - child	CNS, high - child	1.358
CNSM	CNS, medium	CNS, medium to high	0.589
CNSL	CNS, low	CNS, low	0.218
DDM	DD, medium	DD, low to medium	0.153
DDL	DD, low	DD, low to medium	0.153
DIA1H	Diabetes, type 1 high	Diabetes, type 1 high	1.267
DIA1M	Diabetes, type 1 medium	Diabetes, type 1 medium	0.683
DIA2M	Diabetes, type 2 medium	Diabetes, type 2 medium	0.416
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	0.177
EYEL	Eye, low	Eye, low	0.142
EYEVL	Eye, very low	Eye, very low	0.107
GENEL	Genital, extra low	Genital, extra low	0.070
GIH	Gastro, high	Gastro, medium to high	0.523
CGIH	Gastro, high - child	Gastro, high - child	1.264
GIM	Gastro, medium	Gastro, medium to high	0.523
GIL	Gastro, low	Gastro, low	0.127
HEMEH	Hematological, extra high	Hematological, very high to extra high	1.633
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, very high to extra high	1.633
HEMM	Hematological, medium	Hematological, medium	0.705
HEML	Hematological, low	Hematological, low	0.491
AIDSH	AIDS, high	AIDS, high	1.699
INFH	Infectious, high	AIDS, high	1.699
HIVM	HIV, medium	HIV, medium	1.210
INFM	Infectious, medium	Infectious, low to medium	0.435
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.435
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	1.035
CMETH	Metabolic, high - child	Metabolic, high - child	0.158
METM	Metabolic, medium	Metabolic, medium	0.396
METVL	Metabolic, very low	Metabolic, very low	0.138
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.395
PSYH	Psychiatric, high	Psychiatric, high	0.677
PSYM	Psychiatric, medium	Psychiatric, medium low to medium	0.264
PSYML	Psychiatric, medium low	Psychiatric, medium low to medium	0.264
PSYL	Psychiatric, low	Psychiatric, low	0.167
PULVH	Pulmonary, very high	Pulmonary, very high	1.167
CPULVH	Pulmonary, very high - child	Pulmonary, very high - child	1.465
PULH	Pulmonary, high	Pulmonary, high	0.593
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, medium	0.475
PULL	Pulmonary, low	Pulmonary, low	0.178
RENEH	Renal, extra high	Renal, extra high	3.856
RENVH	Renal, very high	Renal, very high	0.489
RENM	Renal, medium	Renal, low to medium	0.132
RENL	Renal, low	Renal, low to medium	0.132
SKCM	Skeletal, medium	Skeletal, medium	0.308
SKCL	Skeletal, low	Skeletal, very low to low	0.149
SKCVL	Skeletal, very low	Skeletal, very low to low	0.149
SKNH	Skin, high	Skin, low - high	0.254
SKNL	Skin, low	Skin, low - high	0.254
SKNVL	Skin, very low	Skin, very low	0.090
SUBL	Substance abuse, low	Substance abuse, very low to low	0.153
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.153
MRX1	Anti-coagulants	Cardiovascular, medium	0.570
MRX2	Cardiac	Cardiovascular, extra low	0.106
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.167
MRX4	Diabetes	Diabetes, type 2 low	0.177
MRX5	ESRD / Renal	Renal, very high	0.489
MRX6	Hemophilia / von Willebrands	Hematological, very high to extra high	1.633
MRX7	Hepatitis	HIV, medium	1.210
MRX8	HIV	HIV, medium	1.210
MRX9	Infections, high	AIDS, high	1.699
MRX10	Inflammatory / Autoimmune	Skeletal, very low to low	0.149
MRX11	Malignancies	Cancer, medium	0.649
MRX12	Multiple Sclerosis / Paralysis	CNS, medium to high	0.589
MRX13	Parkinsons / Tremor	CNS, low	0.218
MRX14	Seizure disorders	CNS, low	0.218
MRX15	Tuberculosis	Pulmonary, low	0.178

Exhibit 4C Mississippi Division of Medicaid Custom Risk Adjustment Weights Effective July 2020 MA Adult		
	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.142	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 15 to 24 Female	0.330	0.922
Age 15 to 24 Male	-	0.514
Age 25 to 44 Female	0.236	0.989
Age 25 to 44 Male	0.058	0.770
Age 45 and Older Female	0.245	1.353
Age 45 and Older Male	0.365	1.362
Duration Categories		
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A
Diagnosis Period Duration, 12 Months	-	N/A
Disease Categories		
Cancer, high to very high	3.752	N/A
Cancer, medium	0.997	N/A
Cancer, low	0.364	N/A
Cardiovascular, very high	1.914	N/A
Cardiovascular, medium	0.601	N/A
Cardiovascular, low	0.315	N/A
Cardiovascular, extra low	0.122	N/A
CNS, medium to high	0.836	N/A
CNS, low	0.419	N/A
Diabetes, type 1 high	2.432	N/A
Diabetes, type 1 medium	1.612	N/A
Diabetes, type 2 medium	1.043	N/A
Diabetes, type 2 low	0.375	N/A
DD, low to medium	0.613	N/A
Eye, very low to low	0.324	N/A
Genital, extra low	0.118	N/A
Gastro, medium to high	0.933	N/A
Gastro, low	0.224	N/A
Hematological, low to extra high	0.318	N/A
AIDS, high	1.445	N/A
HIV, medium	1.320	N/A
Infectious, low to medium	0.578	N/A
Metabolic, high	0.857	N/A
Metabolic, medium	0.393	N/A
Metabolic, very low	0.138	N/A
Pregnancy, complete	0.160	N/A
Pregnancy, incomplete	0.997	N/A
Psychiatric, high	0.972	N/A
Psychiatric, medium	0.513	N/A
Psychiatric, medium low	0.321	N/A
Psychiatric, low	0.212	N/A
Pulmonary, medium to high	0.600	N/A
Pulmonary, low	0.227	N/A
Renal, medium to extra high	0.855	N/A
Renal, low	0.304	N/A
Skeletal, medium	0.586	N/A
Skeletal, very low to low	0.362	N/A
Skin, low to high	0.941	N/A
Skin, very low	0.132	N/A
Substance abuse, low	0.289	N/A

Exhibit 4D

Mississippi Division of Medicaid

CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories

MA Adult

CDPS + Rx Abbreviation	CDPS + Rx Description	MississippiCAN Risk Weight Category	MississippiCAN Risk Weight
CANVH	Cancer, very high	Cancer, high to very high	3.752
CANH	Cancer, high	Cancer, high to very high	3.752
CANM	Cancer, medium	Cancer, medium	0.997
CANL	Cancer, low	Cancer, low	0.364
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.914
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.601
CCARM	Cardiovascular, medium - child	Not Used	Not Used
CARL	Cardiovascular, low	Cardiovascular, low	0.315
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.122
CERL	Cerebrovascular, low	Not Used	Not Used
CNSH	CNS, high	CNS, medium to high	0.836
CCNSH	CNS, high - child	Not Used	Not Used
CNSM	CNS, medium	CNS, medium to high	0.836
CNSL	CNS, low	CNS, low	0.419
DDM	DD, medium	DD, low to medium	0.613
DDL	DD, low	DD, low to medium	0.613
DIA1H	Diabetes, type 1 high	Diabetes, type 1 high	2.432
DIA1M	Diabetes, type 1 medium	Diabetes, type 1 medium	1.612
DIA2M	Diabetes, type 2 medium	Diabetes, type 2 medium	1.043
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	0.375
EYEL	Eye, low	Eye, very low to low	0.324
EYEVL	Eye, very low	Eye, very low to low	0.324
GENEL	Genital, extra low	Genital, extra low	0.118
GIH	Gastro, high	Gastro, medium to high	0.933
CGIH	Gastro, high - child	Not Used	Not Used
GIM	Gastro, medium	Gastro, medium to high	0.933
GIL	Gastro, low	Gastro, low	0.224
HEMEH	Hematological, extra high	Hematological, low to extra high	0.318
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, low to extra high	0.318
HEMM	Hematological, medium	Hematological, low to extra high	0.318
HEML	Hematological, low	Hematological, low to extra high	0.318
AIDSH	AIDS, high	AIDS, high	1.445
INFH	Infectious, high	AIDS, high	1.445
HIVM	HIV, medium	HIV, medium	1.320
INFM	Infectious, medium	Infectious, low to medium	0.578
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.578
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.857
CMETH	Metabolic, high - child	Not Used	Not Used
METM	Metabolic, medium	Metabolic, medium	0.393
METVL	Metabolic, very low	Metabolic, very low	0.138
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.160
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.997
PSYH	Psychiatric, high	Psychiatric, high	0.972
PSYM	Psychiatric, medium	Psychiatric, medium	0.513
PSYML	Psychiatric, medium low	Psychiatric, medium low	0.321
PSYL	Psychiatric, low	Psychiatric, low	0.212
PULVH	Pulmonary, very high	Not Used	Not Used
CPULVH	Pulmonary, very high - child	Not Used	Not Used
PULH	Pulmonary, high	Pulmonary, medium to high	0.600
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, medium to high	0.600
PULL	Pulmonary, low	Pulmonary, low	0.227
RENEH	Renal, extra high	Renal, medium to extra high	0.855
RENVH	Renal, very high	Renal, medium to extra high	0.855
RENM	Renal, medium	Renal, medium to extra high	0.855
RENL	Renal, low	Renal, low	0.304
SKCM	Skeletal, medium	Skeletal, medium	0.586
SKCL	Skeletal, low	Skeletal, very low to low	0.362
SKCVL	Skeletal, very low	Skeletal, very low to low	0.362
SKNH	Skin, high	Skin, low to high	0.941
SKNL	Skin, low	Skin, low to high	0.941
SKNVL	Skin, very low	Skin, very low	0.132
SUBL	Substance abuse, low	Substance abuse, low	0.289
SUBVL	Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.601
MRX2	Cardiac	Cardiovascular, extra low	0.122
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.212
MRX4	Diabetes	Diabetes, type 2 low	0.375
MRX5	ESRD / Renal	Renal, medium to extra high	0.855
MRX6	Hemophilia / von Willebrands	Hematological, low to extra high	0.318
MRX7	Hepatitis	HIV, medium	1.320
MRX8	HIV	HIV, medium	1.320
MRX9	Infections, high	AIDS, high	1.445
MRX10	Inflammatory / Autoimmune	Skeletal, very low to low	0.362
MRX11	Malignancies	Cancer, medium	0.997
MRX12	Multiple Sclerosis / Paralysis	CNS, medium to high	0.836
MRX13	Parkinsons / Tremor	CNS, low	0.419
MRX14	Seizure disorders	CNS, low	0.419
MRX15	Tuberculosis	Pulmonary, low	0.227

Exhibit 4E		
Mississippi Division of Medicaid		
Custom Risk Adjustment Weights Effective October 2018		
MA Children and Quasi-CHIP		
	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.539	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 1 to 5 Male	0.133	0.953
Age 1 to 5 Female	0.068	0.833
Age 6 to 12 Male	0.047	1.046
Age 6 to 12 Female	0.049	0.896
Age 13 to 18 Male	-	1.007
Age 13 to 18 Female	0.297	1.292
Disease Categories		
Cancer, very high	27.677	N/A
Cancer, high	4.235	N/A
Cancer, medium	3.414	N/A
Cancer, low	0.629	N/A
Cardiovascular, very high	5.998	N/A
Cardiovascular, medium	0.760	N/A
Cardiovascular, extra low to low	0.593	N/A
Cerebrovascular, low	0.316	N/A
CNS, high	10.392	N/A
CNS, medium	1.647	N/A
CNS, low	0.575	N/A
DD, low to medium	2.162	N/A
Diabetes, type 2 low	2.030	N/A
Eye, very low to low	0.349	N/A
Genital, extra low	0.361	N/A
Gastro, high	5.482	N/A
Gastro, medium	1.521	N/A
Gastro, low	0.386	N/A
Hematological, low to extra high	0.598	N/A
AIDS, high	1.527	N/A
HIV, medium	1.204	N/A
Infectious, low to medium	0.197	N/A
Metabolic, medium to high	1.382	N/A
Metabolic, very low	0.506	N/A
Pregnancy, incomplete	2.708	N/A
Psychiatric, high	2.650	N/A
Psychiatric, medium	1.509	N/A
Psychiatric, medium low	1.218	N/A
Psychiatric, low	0.619	N/A
Pulmonary, high	7.062	N/A
Pulmonary, low to medium	0.502	N/A
Renal, extra high	13.306	N/A
Renal, very high	1.565	N/A
Renal, medium	0.837	N/A
Renal, low	0.295	N/A
Skeletal, medium	0.567	N/A
Skeletal, low	0.437	N/A
Skeletal, very low	0.278	N/A
Skin, high	1.516	N/A
Skin, very low to low	0.188	N/A
Substance abuse, very low to low	0.381	N/A

Exhibit 4F
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
MA Children and Quasi-CHIP

CDPS + Rx Abbreviation	CDPS + Rx Description	MississippiCAN Risk Weight Category	MississippiCAN Risk Weight
CANVH	Cancer, very high	Cancer, very high	27.677
CANH	Cancer, high	Cancer, high	4.235
CANM	Cancer, medium	Cancer, medium	3.414
CANL	Cancer, low	Cancer, low	0.629
CARVH	Cardiovascular, very high	Cardiovascular, very high	5.998
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.760
CCARM	Cardiovascular, medium - child	Not Used	Not Used
CARL	Cardiovascular, low	Cardiovascular, extra low to low	0.593
CAREL	Cardiovascular, extra low	Cardiovascular, extra low to low	0.593
CERL	Cerebrovascular, low	Cerebrovascular, low	0.316
CNSH	CNS, high	CNS, high	10.392
CCNSH	CNS, high - child	Not Used	Not Used
CNSM	CNS, medium	CNS, medium	1.647
CNSL	CNS, low	CNS, low	0.575
DDM	DD, medium	DD, low to medium	2.162
DDL	DD, low	DD, low to medium	2.162
DIA1H	Diabetes, type 1 high	Not Used	Not Used
DIA1M	Diabetes, type 1 medium	Not Used	Not Used
DIA2M	Diabetes, type 2 medium	Not Used	Not Used
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	2.030
EYEL	Eye, low	Eye, very low to low	0.349
EYEVL	Eye, very low	Eye, very low to low	0.349
GENEL	Genital, extra low	Genital, extra low	0.361
GIH	Gastro, high	Gastro, high	5.482
CGIH	Gastro, high - child	Not Used	Not Used
GIM	Gastro, medium	Gastro, medium	1.521
GIL	Gastro, low	Gastro, low	0.386
HEMEH	Hematological, extra high	Hematological, low to extra high	0.598
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, low to extra high	0.598
HEMM	Hematological, medium	Hematological, low to extra high	0.598
HEML	Hematological, low	Hematological, low to extra high	0.598
AIDSH	AIDS, high	AIDS, high	1.527
INFH	Infectious, high	AIDS, high	1.527
HIVM	HIV, medium	HIV, medium	1.204
INFM	Infectious, medium	Infectious, low to medium	0.197
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.197
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, medium to high	1.382
CMETH	Metabolic, high - child	Not Used	Not Used
METM	Metabolic, medium	Metabolic, medium to high	1.382
METVL	Metabolic, very low	Metabolic, very low	0.506
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	2.708
PSYH	Psychiatric, high	Psychiatric, high	2.650
PSYM	Psychiatric, medium	Psychiatric, medium	1.509
PSYML	Psychiatric, medium low	Psychiatric, medium low	1.218
PSYL	Psychiatric, low	Psychiatric, low	0.619
PULVH	Pulmonary, very high	Not Used	Not Used
CPULVH	Pulmonary, very high - child	Not Used	Not Used
PULH	Pulmonary, high	Pulmonary, high	7.062
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, low to medium	0.502
PULL	Pulmonary, low	Pulmonary, low to medium	0.502
RENEH	Renal, extra high	Renal, extra high	13.306
RENVH	Renal, very high	Renal, very high	1.565
RENM	Renal, medium	Renal, medium	0.837
RENL	Renal, low	Renal, low	0.295
SKCM	Skeletal, medium	Skeletal, medium	0.567
SKCL	Skeletal, low	Skeletal, low	0.437
SKCVL	Skeletal, very low	Skeletal, very low	0.278
SKNH	Skin, high	Skin, high	1.516
SKNL	Skin, low	Skin, very low to low	0.188
SKNVL	Skin, very low	Skin, very low to low	0.188
SUBL	Substance abuse, low	Substance abuse, very low to low	0.381
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.381
MRX1	Anti-coagulants	Cardiovascular, medium	0.760
MRX2	Cardiac	Cardiovascular, extra low to low	0.593
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.619
MRX4	Diabetes	Diabetes, type 2 low	2.030
MRX5	ESRD / Renal	Renal, very high	1.565
MRX6	Hemophilia / von Willebrands	Hematological, low to extra high	0.598
MRX7	Hepatitis	HIV, medium	1.204
MRX8	HIV	HIV, medium	1.204
MRX9	Infections, high	AIDS, high	1.527
MRX10	Inflammatory / Autoimmune	Skeletal, very low	0.278
MRX11	Malignancies	Cancer, medium	3.414
MRX12	Multiple Sclerosis / Paralysis	CNS, medium	1.647
MRX13	Parkinsons / Tremor	CNS, low	0.575
MRX14	Seizure disorders	CNS, low	0.575
MRX15	Tuberculosis	Pulmonary, low to medium	0.502

Exhibit 5A
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2023

Region:North

	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0013	\$1,090.00	\$1,091.37	\$120.00	\$60.00	\$10.00	\$3.00	\$193.00	\$1,284.37
Molina	0.9804	\$1,090.00	\$1,068.64	\$120.00	\$60.00	\$10.00	\$3.00	\$193.00	\$1,261.64
United	1.0042	\$1,090.00	\$1,094.53	\$120.00	\$60.00	\$10.00	\$3.00	\$193.00	\$1,287.53
MA Adult									
Magnolia	1.0168	\$510.00	\$518.59	\$50.00	\$60.00	\$10.00	\$3.00	\$123.00	\$641.59
Molina	0.9579	\$510.00	\$488.52	\$50.00	\$60.00	\$10.00	\$3.00	\$123.00	\$611.52
United	1.0101	\$510.00	\$515.13	\$50.00	\$60.00	\$10.00	\$3.00	\$123.00	\$638.13
MA Children									
Magnolia	1.0016	\$220.00	\$220.36	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$313.36
Molina	0.9506	\$220.00	\$209.14	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$302.14
United	1.0220	\$220.00	\$224.83	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$317.83
Quasi-CHIP									
Magnolia	0.9700	\$220.00	\$213.39	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$296.39
Molina	0.9960	\$220.00	\$219.12	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$302.12
United	1.0302	\$220.00	\$226.64	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$309.64
Foster Care									
Magnolia	0.9174	\$660.00	\$605.46	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$818.46
Molina	1.2798	\$660.00	\$844.68	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,057.68
United	1.0823	\$660.00	\$714.34	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$927.34

¹ Capitation rates reflect the removal of the quality withhold.
² Includes associated premium tax.
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly.

Exhibit 5B
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2023

Region:Central

	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0253	\$1,250.00	\$1,281.67	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,494.67
Molina	0.9936	\$1,250.00	\$1,242.04	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,455.04
United	0.9693	\$1,250.00	\$1,211.61	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,424.61
MA Adult									
Magnolia	1.0084	\$560.00	\$564.70	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$697.70
Molina	0.9542	\$560.00	\$534.35	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$667.35
United	1.0245	\$560.00	\$573.72	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$706.72
MA Children									
Magnolia	1.0106	\$230.00	\$232.43	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$325.43
Molina	0.9449	\$230.00	\$217.33	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$310.33
United	1.0177	\$230.00	\$234.07	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$327.07
Quasi-CHIP									
Magnolia	0.9821	\$230.00	\$225.88	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$308.88
Molina	0.9904	\$230.00	\$227.80	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$310.80
United	1.0225	\$230.00	\$235.18	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$318.18
Foster Care									
Magnolia	0.9343	\$690.00	\$644.68	\$180.00	\$60.00	\$10.00	\$3.00	\$253.00	\$897.68
Molina	1.2207	\$690.00	\$842.29	\$180.00	\$60.00	\$10.00	\$3.00	\$253.00	\$1,095.29
United	1.0639	\$690.00	\$734.07	\$180.00	\$60.00	\$10.00	\$3.00	\$253.00	\$987.07

¹ Capitation rates reflect the removal of the quality withhold.
² Includes associated premium tax.
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly.

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2023

Region:South

	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0317	\$1,240.00	\$1,279.31	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,492.31
Molina	0.9623	\$1,240.00	\$1,193.31	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,406.31
United	0.9805	\$1,240.00	\$1,215.85	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,428.85
MA Adult									
Magnolia	1.0106	\$540.00	\$545.75	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$678.75
Molina	0.9571	\$540.00	\$516.81	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$649.81
United	1.0204	\$540.00	\$551.04	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$684.04
MA Children									
Magnolia	1.0037	\$220.00	\$220.81	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$313.81
Molina	0.9385	\$220.00	\$206.46	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$299.46
United	1.0300	\$220.00	\$226.59	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$319.59
Quasi-CHIP									
Magnolia	0.9731	\$230.00	\$223.81	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$306.81
Molina	0.9514	\$230.00	\$218.81	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$301.81
United	1.0416	\$230.00	\$239.56	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$322.56
Foster Care									
Magnolia	0.9099	\$670.00	\$609.66	\$110.00	\$60.00	\$10.00	\$3.00	\$183.00	\$792.66
Molina	1.2711	\$670.00	\$851.61	\$110.00	\$60.00	\$10.00	\$3.00	\$183.00	\$1,034.61
United	1.0923	\$670.00	\$731.83	\$110.00	\$60.00	\$10.00	\$3.00	\$183.00	\$914.83

¹ Capitation rates reflect the removal of the quality withhold.
² Includes associated premium tax.
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly.

Caveats and Limitations
Mississippi Division of Medicaid
Q1 to Q2 2023 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q1 to Q2 2023 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters, FFS claims, and eligibility data from January 2021 to September 2022 with runout through September 2022 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q1 to Q2 2023 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2023 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.

The terms of Milliman's contract with DOM effective September 1, 2022 apply to these exhibits and their use.

Exhibit 1A
Mississippi Division of Medicaid
Non-Newborn SSI / Disabled Risk Score Adjustment Summary - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	9,790	0.994	1.001	90	1.017	1.007	1.001
Molina	2,287	0.974	0.981	66	0.982	0.973	0.980
United	8,003	0.997	1.004	100	1.022	1.012	1.004
Total	20,080	0.993	1.000	256	1.010	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	10,724	1.088	1.025	66	1.034	1.017	1.025
Molina	2,553	1.054	0.994	78	1.009	0.993	0.994
United	8,276	1.028	0.969	78	1.009	0.993	0.969
Total	21,553	1.061	1.000	222	1.016	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	7,392	1.151	1.032	90	1.003	0.977	1.032
Molina	2,249	1.072	0.961	78	1.022	0.996	0.962
United	7,568	1.093	0.980	112	1.048	1.021	0.981
Total	17,209	1.115	1.000	280	1.026	1.000	1.000

Exhibit 1B
Mississippi Division of Medicaid
MA Adult Risk Score Adjustment Summary - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,427	1.030	1.018	255	0.994	0.995	1.017
Molina	2,056	0.964	0.954	235	0.994	0.995	0.958
United	3,161	1.021	1.010	266	1.008	1.009	1.010
Total	8,644	1.011	1.000	756	0.999	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,914	1.019	1.009	268	0.987	0.996	1.008
Molina	2,644	0.958	0.949	260	0.995	1.003	0.954
United	3,710	1.036	1.026	287	0.992	1.001	1.024
Total	10,268	1.010	1.000	815	0.991	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	4,828	1.054	1.011	282	0.990	1.000	1.011
Molina	3,986	0.994	0.954	239	1.002	1.013	0.957
United	5,894	1.065	1.022	318	0.979	0.990	1.020
Total	14,708	1.042	1.000	839	0.989	1.000	1.000

Exhibit 1C
Mississippi Division of Medicaid
MA Children Risk Score Adjustment Summary - Q1 to Q2 2023 Prospective Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	23,422	1.032	1.002	489	1.004	1.006	1.002
Molina	10,177	0.978	0.949	434	0.990	0.992	0.951
United	21,503	1.054	1.023	553	0.999	1.001	1.022
Total	55,102	1.030	1.000	1,476	0.998	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	28,381	1.036	1.011	426	0.983	0.987	1.011
Molina	13,284	0.966	0.942	478	1.011	1.015	0.945
United	25,184	1.044	1.018	487	0.992	0.997	1.018
Total	66,849	1.025	1.000	1,391	0.995	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	29,123	1.048	1.004	525	0.991	1.000	1.004
Molina	16,947	0.978	0.937	522	0.991	1.001	0.938
United	31,587	1.076	1.031	634	0.990	0.999	1.030
Total	77,657	1.044	1.000	1,681	0.991	1.000	1.000

Exhibit 1D
Mississippi Division of Medicaid
Quasi-CHIP Risk Score Adjustment Summary - Q1 to Q2 2023 Risk Scores
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

North Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	2,839	1.050	0.970	42	1.025	0.988	0.970
Molina	1,200	1.079	0.997	39	1.015	0.978	0.996
United	2,969	1.116	1.030	59	1.062	1.023	1.030
Total	7,008	1.083	1.000	140	1.038	1.000	1.000

Central Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	3,372	1.032	0.982	50	1.037	0.998	0.982
Molina	1,302	1.041	0.990	57	1.047	1.007	0.990
United	3,255	1.076	1.023	43	1.032	0.993	1.023
Total	7,929	1.052	1.000	150	1.039	1.000	1.000

South Region							
	Scored Members			Unscored Members			All Members
		Unadjusted Risk	Budget Neutral		Unadjusted Risk	Budget Neutral	Budget Neutral
CCO	Member Months	Score	Risk Score	Member Months	Score	Risk Score	Risk Score
Magnolia	2,733	1.096	0.973	37	1.045	1.017	0.973
Molina	1,409	1.069	0.949	49	1.053	1.025	0.951
United	3,447	1.175	1.043	52	0.991	0.965	1.042
Total	7,589	1.127	1.000	138	1.027	1.000	1.000

Exhibit 1E
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q1 to Q2 2023 Risk Scores
September 2022 Snapshot Period

North Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,326	0.729	0.917
Molina	253	1.017	1.280
United	471	0.860	1.082
Total	2,050	0.795	1.000

Central Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,352	0.819	0.934
Molina	286	1.070	1.221
United	402	0.932	1.064
Total	2,040	0.876	1.000

South Region			
	All Members		
		Unadjusted	Budget Neutral
CCO	Member Months	Risk Score	Risk Score
Magnolia	1,918	0.733	0.910
Molina	419	1.023	1.271
United	641	0.879	1.092
Total	2,978	0.805	1.000

Exhibit 2A
Mississippi Division of Medicaid
Impact Analysis Non-Newborn SSI / Disabled Population
Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	0.992	0.991	1.014	0.994	-0.1%	2.3%	-1.9%	0.2%
Molina	0.990	0.990	1.011	0.974	0.0%	2.1%	-3.7%	-1.6%
United	0.993	0.994	1.023	0.997	0.1%	2.9%	-2.6%	0.4%
Unscored Members								
Magnolia	1.046	1.042	1.078	1.017	-0.3%	3.4%	-5.7%	-2.8%
Molina	1.050	1.050	1.033	0.982	0.0%	-1.6%	-4.9%	-6.4%
United	1.013	1.019	1.108	1.022	0.5%	8.8%	-7.8%	0.8%
All Members								
Magnolia	0.993	0.992	1.014	0.994	-0.1%	2.2%	-1.9%	0.2%
Molina	0.991	0.991	1.011	0.974	0.0%	2.0%	-3.7%	-1.7%
United	0.993	0.995	1.023	0.997	0.1%	2.9%	-2.5%	0.4%

Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.095	1.092	1.110	1.088	-0.3%	1.6%	-2.0%	-0.7%
Molina	1.032	1.047	1.073	1.054	1.4%	2.5%	-1.8%	2.1%
United	1.026	1.030	1.052	1.028	0.5%	2.1%	-2.2%	0.2%
Unscored Members								
Magnolia	1.001	1.010	1.082	1.034	0.9%	7.1%	-4.5%	3.2%
Molina	0.989	0.990	0.814	1.009	0.1%	-17.8%	24.0%	2.0%
United	1.048	1.048	1.244	1.009	0.0%	18.8%	-19.0%	-3.7%
All Members								
Magnolia	1.095	1.092	1.110	1.087	-0.3%	1.7%	-2.0%	-0.7%
Molina	1.032	1.046	1.073	1.054	1.4%	2.5%	-1.8%	2.1%
United	1.026	1.031	1.052	1.028	0.5%	2.1%	-2.3%	0.2%

Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.141	1.145	1.169	1.151	0.3%	2.2%	-1.6%	0.9%
Molina	1.085	1.088	1.091	1.072	0.3%	0.3%	-1.8%	-1.2%
United	1.078	1.080	1.112	1.093	0.2%	3.0%	-1.8%	1.3%
Unscored Members								
Magnolia	1.020	1.011	0.937	1.003	-0.9%	-7.3%	7.1%	-1.7%
Molina	1.073	1.067	1.084	1.022	-0.5%	1.6%	-5.7%	-4.7%
United	0.991	0.984	1.064	1.048	-0.7%	8.1%	-1.5%	5.7%
All Members								
Magnolia	1.139	1.143	1.169	1.149	0.3%	2.3%	-1.7%	0.8%
Molina	1.086	1.089	1.091	1.072	0.3%	0.2%	-1.8%	-1.3%
United	1.077	1.079	1.112	1.092	0.2%	3.1%	-1.8%	1.4%

Exhibit 2B
Mississippi Division of Medicaid
Impact Analysis Non-Newborn SSI / Disabled Population
Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.000	0.999	0.997	1.001	-0.1%	-0.2%	0.5%	0.1%
Molina	0.998	0.998	0.994	0.981	0.0%	-0.4%	-1.3%	-1.7%
United	1.001	1.002	1.006	1.004	0.1%	0.4%	-0.2%	0.3%
Unscored Members								
Magnolia	1.013	1.008	0.993	1.007	-0.5%	-1.5%	1.4%	-0.6%
Molina	1.017	1.015	0.951	0.973	-0.1%	-6.3%	2.2%	-4.3%
United	0.982	0.985	1.020	1.012	0.4%	3.5%	-0.8%	3.1%
All Members								
Magnolia	1.000	0.999	0.997	1.001	-0.1%	-0.2%	0.5%	0.1%
Molina	0.998	0.998	0.994	0.980	0.0%	-0.5%	-1.3%	-1.8%
United	1.001	1.002	1.006	1.004	0.1%	0.4%	-0.2%	0.4%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.032	1.027	1.025	1.025	-0.5%	-0.3%	0.1%	-0.6%
Molina	0.973	0.985	0.991	0.994	1.3%	0.6%	0.3%	2.2%
United	0.966	0.969	0.971	0.969	0.3%	0.2%	-0.2%	0.3%
Unscored Members								
Magnolia	0.984	0.990	1.034	1.017	0.6%	4.4%	-1.6%	3.4%
Molina	0.972	0.970	0.777	0.993	-0.2%	-19.9%	27.7%	2.2%
United	1.030	1.027	1.189	0.993	-0.3%	15.8%	-16.5%	-3.6%
All Members								
Magnolia	1.032	1.027	1.025	1.025	-0.4%	-0.2%	0.1%	-0.6%
Molina	0.973	0.984	0.990	0.994	1.2%	0.6%	0.3%	2.2%
United	0.967	0.970	0.971	0.969	0.3%	0.1%	-0.2%	0.2%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.031	1.032	1.031	1.032	0.1%	-0.1%	0.1%	0.1%
Molina	0.981	0.981	0.962	0.961	0.0%	-1.9%	-0.1%	-2.0%
United	0.975	0.974	0.981	0.980	-0.1%	0.7%	-0.1%	0.5%
Unscored Members								
Magnolia	0.996	0.994	0.915	0.977	-0.2%	-8.0%	6.8%	-1.9%
Molina	1.047	1.049	1.059	0.996	0.2%	0.9%	-5.9%	-4.9%
United	0.968	0.968	1.039	1.021	0.0%	7.3%	-1.7%	5.5%
All Members								
Magnolia	1.031	1.031	1.031	1.032	0.1%	-0.1%	0.1%	0.1%
Molina	0.983	0.983	0.962	0.962	0.1%	-2.1%	0.0%	-2.1%
United	0.975	0.974	0.981	0.981	-0.1%	0.7%	0.0%	0.6%

Exhibit 2C Mississippi Division of Medicaid Impact Analysis MA Adult Population Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.013	1.007	1.011	1.030	-0.6%	0.5%	1.8%	1.7%
Molina	0.961	0.961	0.963	0.964	-0.1%	0.2%	0.2%	0.3%
United	1.012	1.012	1.028	1.021	0.0%	1.6%	-0.6%	0.9%
Unscored Members								
Magnolia	0.997	0.996	1.011	0.994	-0.1%	1.6%	-1.7%	-0.3%
Molina	1.018	1.018	1.018	0.994	0.0%	0.0%	-2.3%	-2.3%
United	1.001	1.001	0.921	1.008	0.0%	-8.0%	9.4%	0.6%
All Members								
Magnolia	1.012	1.006	1.011	1.027	-0.6%	0.6%	1.5%	1.5%
Molina	0.966	0.966	0.963	0.968	-0.1%	-0.3%	0.5%	0.1%
United	1.012	1.011	1.027	1.020	0.0%	1.6%	-0.7%	0.9%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.035	1.034	1.036	1.019	-0.2%	0.2%	-1.6%	-1.6%
Molina	0.943	0.947	0.944	0.958	0.4%	-0.2%	1.5%	1.6%
United	0.998	0.991	1.023	1.036	-0.7%	3.2%	1.3%	3.8%
Unscored Members								
Magnolia	0.991	0.993	0.958	0.987	0.2%	-3.5%	3.1%	-0.4%
Molina	1.015	1.015	0.934	0.995	0.0%	-7.9%	6.5%	-2.0%
United	1.010	1.011	1.080	0.992	0.0%	6.9%	-8.1%	-1.8%
All Members								
Magnolia	1.032	1.031	1.036	1.017	-0.2%	0.5%	-1.8%	-1.5%
Molina	0.949	0.952	0.944	0.962	0.4%	-0.8%	1.9%	1.4%
United	0.999	0.993	1.023	1.033	-0.6%	3.1%	0.9%	3.4%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.055	1.050	1.055	1.054	-0.5%	0.6%	-0.2%	-0.1%
Molina	0.982	0.986	0.990	0.994	0.5%	0.4%	0.4%	1.2%
United	1.072	1.075	1.079	1.065	0.3%	0.4%	-1.3%	-0.6%
Unscored Members								
Magnolia	0.998	0.997	0.989	0.990	0.0%	-0.8%	0.0%	-0.8%
Molina	0.986	0.987	0.989	1.002	0.1%	0.2%	1.3%	1.6%
United	1.002	1.003	1.064	0.979	0.1%	6.0%	-8.0%	-2.3%
All Members								
Magnolia	1.051	1.047	1.055	1.050	-0.5%	0.8%	-0.5%	-0.1%
Molina	0.982	0.986	0.990	0.994	0.5%	0.3%	0.5%	1.3%
United	1.068	1.070	1.079	1.060	0.3%	0.8%	-1.7%	-0.7%

Exhibit 2D Mississippi Division of Medicaid Impact Analysis MA Adult Population Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change								
Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.013	1.009	1.006	1.018	-0.3%	-0.3%	1.2%	0.6%
Molina	0.961	0.964	0.958	0.954	0.2%	-0.6%	-0.4%	-0.8%
United	1.012	1.015	1.022	1.010	0.2%	0.8%	-1.2%	-0.2%
Unscored Members								
Magnolia	0.992	0.991	1.041	0.995	-0.1%	5.0%	-4.4%	0.3%
Molina	1.013	1.013	1.048	0.995	0.0%	3.4%	-5.0%	-1.7%
United	0.997	0.997	0.948	1.009	0.0%	-4.9%	6.5%	1.2%
All Members								
Magnolia	1.011	1.008	1.006	1.017	-0.3%	-0.2%	1.0%	0.5%
Molina	0.966	0.968	0.958	0.958	0.2%	-1.0%	0.0%	-0.8%
United	1.011	1.013	1.022	1.010	0.2%	0.9%	-1.2%	-0.1%
Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.038	1.038	1.028	1.009	0.0%	-1.0%	-1.8%	-2.7%
Molina	0.945	0.951	0.937	0.949	0.6%	-1.4%	1.3%	0.5%
United	1.000	0.995	1.015	1.026	-0.4%	2.0%	1.1%	2.7%
Unscored Members								
Magnolia	0.986	0.988	0.973	0.996	0.1%	-1.5%	2.3%	1.0%
Molina	1.010	1.009	0.949	1.003	-0.1%	-5.9%	5.7%	-0.7%
United	1.006	1.005	1.097	1.001	0.0%	9.2%	-8.8%	-0.5%
All Members								
Magnolia	1.034	1.034	1.028	1.008	0.0%	-0.6%	-1.9%	-2.5%
Molina	0.951	0.956	0.937	0.954	0.6%	-1.9%	1.8%	0.4%
United	1.000	0.996	1.016	1.024	-0.4%	1.9%	0.9%	2.4%
Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.013	1.007	1.008	1.011	-0.6%	0.1%	0.3%	-0.1%
Molina	0.943	0.946	0.945	0.954	0.4%	-0.1%	0.9%	1.2%
United	1.029	1.031	1.031	1.022	0.2%	0.0%	-0.8%	-0.7%
Unscored Members								
Magnolia	1.001	1.001	0.951	1.000	-0.1%	-5.0%	5.3%	-0.1%
Molina	0.990	0.990	0.951	1.013	0.0%	-4.0%	6.6%	2.4%
United	1.006	1.006	1.022	0.990	0.0%	1.6%	-3.2%	-1.6%
All Members								
Magnolia	1.012	1.007	1.008	1.011	-0.5%	0.1%	0.3%	-0.1%
Molina	0.945	0.949	0.945	0.957	0.4%	-0.4%	1.2%	1.2%
United	1.028	1.029	1.031	1.020	0.2%	0.1%	-1.0%	-0.7%

Exhibit 2E Mississippi Division of Medicaid Impact Analysis MA Children Population Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.016	1.015	1.027	1.032	-0.1%	1.2%	0.5%	1.6%
Molina	0.948	0.949	0.955	0.978	0.1%	0.7%	2.4%	3.2%
United	1.041	1.043	1.052	1.054	0.1%	0.9%	0.1%	1.2%
Unscored Members								
Magnolia	1.014	1.014	0.955	1.004	0.0%	-5.8%	5.1%	-1.0%
Molina	0.997	0.997	0.893	0.990	0.0%	-10.5%	10.9%	-0.7%
United	0.999	0.999	1.043	0.999	0.1%	4.3%	-4.2%	0.1%
All Members								
Magnolia	1.015	1.015	1.027	1.031	-0.1%	1.2%	0.4%	1.6%
Molina	0.950	0.951	0.955	0.979	0.1%	0.4%	2.5%	3.0%
United	1.040	1.042	1.052	1.052	0.1%	1.0%	0.0%	1.1%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.021	1.021	1.035	1.036	0.0%	1.4%	0.2%	1.5%
Molina	0.933	0.931	0.939	0.966	-0.2%	0.9%	2.8%	3.6%
United	1.027	1.025	1.036	1.044	-0.2%	1.1%	0.7%	1.6%
Unscored Members								
Magnolia	0.996	0.996	1.023	0.983	0.1%	2.7%	-3.9%	-1.3%
Molina	1.002	1.003	1.037	1.011	0.0%	3.4%	-2.6%	0.8%
United	0.997	0.996	1.007	0.992	-0.2%	1.2%	-1.5%	-0.5%
All Members								
Magnolia	1.020	1.020	1.035	1.035	0.0%	1.4%	0.1%	1.5%
Molina	0.935	0.934	0.940	0.968	-0.1%	0.6%	3.0%	3.6%
United	1.026	1.024	1.036	1.043	-0.2%	1.2%	0.6%	1.6%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.037	1.035	1.043	1.048	-0.2%	0.8%	0.5%	1.1%
Molina	0.963	0.964	0.964	0.978	0.0%	0.0%	1.5%	1.5%
United	1.059	1.059	1.070	1.076	0.0%	1.0%	0.6%	1.6%
Unscored Members								
Magnolia	0.999	0.998	0.998	0.991	0.0%	-0.1%	-0.7%	-0.8%
Molina	0.983	0.982	0.990	0.991	-0.1%	0.8%	0.1%	0.8%
United	0.997	0.997	0.995	0.990	0.0%	-0.2%	-0.5%	-0.8%
All Members								
Magnolia	1.036	1.034	1.043	1.047	-0.2%	0.8%	0.4%	1.1%
Molina	0.964	0.964	0.964	0.979	0.0%	-0.1%	1.6%	1.6%
United	1.058	1.058	1.070	1.075	0.0%	1.1%	0.4%	1.5%

Exhibit 2F
Mississippi Division of Medicaid
Impact Analysis MA Children Population
Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.002	1.001	1.004	1.002	-0.1%	0.2%	-0.2%	-0.1%
Molina	0.936	0.936	0.933	0.949	0.1%	-0.3%	1.7%	1.4%
United	1.028	1.029	1.028	1.023	0.1%	-0.1%	-0.5%	-0.5%
Unscored Members								
Magnolia	1.011	1.011	0.956	1.006	-0.1%	-5.4%	5.2%	-0.6%
Molina	0.994	0.994	0.894	0.992	0.0%	-10.1%	11.0%	-0.2%
United	0.996	0.996	1.044	1.001	0.1%	4.8%	-4.1%	0.6%
All Members								
Magnolia	1.002	1.001	1.004	1.002	-0.1%	0.2%	-0.2%	-0.1%
Molina	0.938	0.939	0.933	0.951	0.1%	-0.5%	1.8%	1.4%
United	1.027	1.028	1.028	1.022	0.1%	0.0%	-0.6%	-0.5%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.014	1.015	1.017	1.011	0.1%	0.2%	-0.6%	-0.3%
Molina	0.927	0.927	0.924	0.942	0.0%	-0.3%	2.0%	1.7%
United	1.021	1.020	1.019	1.018	-0.1%	0.0%	-0.1%	-0.2%
Unscored Members								
Magnolia	0.997	0.998	1.001	0.987	0.1%	0.3%	-1.4%	-1.1%
Molina	1.004	1.005	1.015	1.015	0.1%	1.0%	0.0%	1.1%
United	0.999	0.998	0.986	0.997	-0.1%	-1.2%	1.1%	-0.2%
All Members								
Magnolia	1.014	1.015	1.017	1.011	0.1%	0.2%	-0.7%	-0.4%
Molina	0.929	0.929	0.924	0.945	0.0%	-0.5%	2.3%	1.7%
United	1.020	1.019	1.019	1.018	-0.1%	0.0%	-0.1%	-0.2%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.006	1.005	1.006	1.004	-0.1%	0.1%	-0.2%	-0.3%
Molina	0.935	0.936	0.929	0.937	0.1%	-0.7%	0.8%	0.2%
United	1.028	1.029	1.032	1.031	0.0%	0.3%	-0.1%	0.2%
Unscored Members								
Magnolia	1.005	1.005	1.004	1.000	0.0%	-0.2%	-0.3%	-0.5%
Molina	0.990	0.989	0.996	1.001	-0.1%	0.7%	0.5%	1.1%
United	1.004	1.004	1.001	0.999	0.0%	-0.3%	-0.2%	-0.5%
All Members								
Magnolia	1.006	1.005	1.006	1.004	-0.1%	0.1%	-0.2%	-0.3%
Molina	0.936	0.937	0.929	0.938	0.1%	-0.9%	1.0%	0.2%
United	1.028	1.028	1.032	1.030	0.0%	0.4%	-0.2%	0.2%

Exhibit 2G Mississippi Division of Medicaid Impact Analysis Quasi-CHIP Population Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change								
Unadjusted Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.049	1.051	1.062	1.050	0.2%	1.1%	-1.1%	0.1%
Molina	1.012	1.015	1.058	1.079	0.3%	4.2%	2.0%	6.6%
United	1.063	1.061	1.077	1.116	-0.1%	1.5%	3.6%	5.0%
Unscored Members								
Magnolia	1.054	1.049	1.046	1.025	-0.5%	-0.3%	-1.9%	-2.7%
Molina	1.086	1.086	1.292	1.015	0.0%	19.0%	-21.4%	-6.5%
United	1.029	1.029	N/A	1.062	0.0%	N/A	N/A	3.3%
All Members								
Magnolia	1.049	1.051	1.062	1.050	0.2%	1.1%	-1.2%	0.0%
Molina	1.015	1.018	1.058	1.078	0.3%	3.9%	1.9%	6.2%
United	1.062	1.060	1.077	1.115	-0.1%	1.6%	3.5%	5.0%
Unadjusted Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.026	1.025	1.045	1.032	-0.1%	2.0%	-1.2%	0.6%
Molina	1.001	1.002	1.032	1.041	0.1%	2.9%	0.9%	4.0%
United	1.056	1.056	1.070	1.076	0.0%	1.3%	0.6%	1.9%
Unscored Members								
Magnolia	1.076	1.080	N/A	1.037	0.4%	N/A	N/A	-3.6%
Molina	1.050	1.049	1.292	1.047	-0.1%	23.2%	-19.0%	-0.3%
United	1.080	1.080	1.046	1.032	0.0%	-3.2%	-1.3%	-4.4%
All Members								
Magnolia	1.027	1.026	1.045	1.032	-0.1%	1.9%	-1.2%	0.6%
Molina	1.002	1.003	1.032	1.041	0.1%	2.9%	0.9%	3.9%
United	1.056	1.056	1.070	1.075	0.0%	1.3%	0.5%	1.8%
Unadjusted Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change Due to Risk Score Restatement	% Change Due to New Diagnosis Period	% Change Due to Enrollment Changes	Total % Change
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022				
Scored Members								
Magnolia	1.077	1.080	1.096	1.096	0.3%	1.5%	0.0%	1.7%
Molina	1.041	1.043	1.055	1.069	0.2%	1.2%	1.3%	2.7%
United	1.178	1.181	1.181	1.175	0.2%	0.0%	-0.5%	-0.3%
Unscored Members								
Magnolia	1.053	1.053	1.169	1.045	0.0%	11.0%	-10.6%	-0.8%
Molina	1.068	1.069	1.070	1.053	0.1%	0.1%	-1.6%	-1.4%
United	1.071	1.071	N/A	0.991	0.0%	N/A	N/A	-7.4%
All Members								
Magnolia	1.077	1.080	1.096	1.095	0.3%	1.5%	-0.1%	1.7%
Molina	1.043	1.045	1.056	1.070	0.2%	1.0%	1.4%	2.7%
United	1.177	1.179	1.181	1.172	0.2%	0.2%	-0.7%	-0.4%

Exhibit 2H
Mississippi Division of Medicaid
Impact Analysis Quasi-CHIP Population
Q3 to Q4 2022 to Q1 to Q2 2023 Risk Score Change

Budget Neutral Plan Factors - North Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	1.001	1.002	0.995	0.970	0.1%	-0.7%	-2.5%	-3.1%
Molina	0.965	0.968	0.991	0.997	0.2%	2.4%	0.6%	3.2%
United	1.013	1.011	1.009	1.030	-0.2%	-0.3%	2.2%	1.7%
Unscored Members								
Magnolia	1.001	0.997	0.894	0.988	-0.3%	-10.3%	10.4%	-1.3%
Molina	1.031	1.032	1.106	0.978	0.1%	7.1%	-11.5%	-5.1%
United	0.977	0.978	N/A	1.023	0.1%	N/A	N/A	4.7%
All Members								
Magnolia	1.001	1.002	0.995	0.970	0.1%	-0.7%	-2.5%	-3.1%
Molina	0.968	0.970	0.991	0.996	0.2%	2.2%	0.5%	2.9%
United	1.012	1.011	1.009	1.030	-0.2%	-0.2%	2.1%	1.8%

Budget Neutral Plan Factors - Central Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	0.992	0.991	0.992	0.982	-0.1%	0.1%	-1.1%	-1.0%
Molina	0.968	0.969	0.980	0.990	0.1%	1.1%	1.0%	2.2%
United	1.021	1.021	1.016	1.023	0.0%	-0.5%	0.7%	0.2%
Unscored Members								
Magnolia	1.004	1.007	N/A	0.998	0.3%	N/A	N/A	-0.6%
Molina	0.979	0.977	1.106	1.007	-0.2%	13.1%	-8.9%	2.8%
United	1.007	1.006	0.894	0.993	-0.1%	-11.1%	11.0%	-1.4%
All Members								
Magnolia	0.992	0.992	0.992	0.982	-0.1%	0.1%	-1.0%	-1.0%
Molina	0.968	0.970	0.980	0.990	0.1%	1.1%	1.1%	2.3%
United	1.021	1.021	1.016	1.023	0.0%	-0.5%	0.6%	0.2%

Budget Neutral Plan Factors - South Region								
	A	B	C	D	E = (B / A) - 1	F = (C / B) - 1	G = (D / C) - 1	H = (D / A) - 1
Enrollment Month	Apr 2022	Apr 2022	Apr 2022	Sep 2022	% Change	% Change	% Change	
Diagnosis Period	CY 2021	CY 2021	June 2021 to May 2022	June 2021 to May 2022	Due to Risk Score Restatement	Due to New Diagnosis Period	Due to Enrollment Changes	Total % Change
Scored Members								
Magnolia	0.965	0.966	0.973	0.973	0.0%	0.7%	0.0%	0.7%
Molina	0.932	0.933	0.937	0.949	0.0%	0.5%	1.3%	1.7%
United	1.056	1.055	1.048	1.043	0.0%	-0.7%	-0.5%	-1.2%
Unscored Members								
Magnolia	0.988	0.988	1.060	1.017	0.0%	7.3%	-4.1%	2.9%
Molina	1.002	1.003	0.970	1.025	0.1%	-3.2%	5.6%	2.3%
United	1.005	1.004	N/A	0.965	0.0%	N/A	N/A	-4.0%
All Members								
Magnolia	0.966	0.966	0.973	0.973	0.0%	0.7%	0.0%	0.8%
Molina	0.935	0.935	0.937	0.951	0.0%	0.2%	1.5%	1.8%
United	1.055	1.055	1.048	1.042	0.0%	-0.6%	-0.6%	-1.3%

Exhibit 3A Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - North Region - Q1 to Q2 2023 Prospective Risk Score June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period														
Scored Members														
Risk Weight	Magnolia			Molina			United			Total				
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months		
Regression Intercept	0.077	N/A	9,790	100.00%	N/A	2,287	100.00%	N/A	8,003	100.00%	N/A	20,080	100.00%	
Demographic Categories														
Age 1 to 4	0.087	N/A	301	3.07%	N/A	166	7.26%	N/A	257	3.21%	N/A	724	3.61%	
Age 5 to 14 Female	0.089	N/A	479	4.89%	N/A	112	4.90%	N/A	442	5.52%	N/A	1,033	5.14%	
Age 5 to 14 Male	0.067	N/A	1,104	11.28%	N/A	255	11.15%	N/A	882	11.02%	N/A	2,241	11.16%	
Age 15 to 24 Female	0.108	N/A	462	4.72%	N/A	135	5.90%	N/A	424	5.30%	N/A	1,021	5.08%	
Age 15 to 24 Male	0.000	N/A	852	8.70%	N/A	289	11.70%	N/A	777	9.71%	N/A	1,868	9.45%	
Age 25 to 44 Female	0.206	N/A	1,136	11.60%	N/A	211	9.23%	N/A	890	11.12%	N/A	2,237	11.14%	
Age 25 to 44 Male	0.053	N/A	1,190	12.16%	N/A	233	10.19%	N/A	987	12.33%	N/A	2,410	12.00%	
Age 45 to 64 Female	0.109	N/A	2,484	25.37%	N/A	411	17.97%	N/A	1,864	23.29%	N/A	4,759	23.70%	
Age 45 to 64 Male	0.111	N/A	1,759	17.97%	N/A	495	21.64%	N/A	1,465	18.29%	N/A	3,718	18.52%	
Age 65 and Older Male and Female	0.006	N/A	23	0.23%	N/A	0	0.00%	N/A	16	0.20%	N/A	39	0.19%	
Duration Categories														
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	31	0.32%	N/A	28	1.22%	N/A	45	0.56%	N/A	104	0.52%	
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	48	0.49%	N/A	38	1.66%	N/A	46	0.57%	N/A	132	0.66%	
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	9,711	99.19%	N/A	2,221	97.11%	N/A	7,912	98.86%	N/A	19,844	98.82%	
Disease Categories														
Cancer, very high	4.640	10	54	0.55%	3	21	0.92%	8	49	0.61%	8	124	0.62%	
Cancer, high	1.263	22	114	1.18%	18	32	1.40%	26	87	1.09%	24	233	1.18%	
Cancer, medium	0.649	29	179	1.83%	31	34	1.49%	23	188	2.35%	27	401	2.00%	
Cancer, low	0.148	46	99	1.01%	46	22	0.96%	46	91	1.14%	46	212	1.06%	
Cardiovascular, very high	1.401	35	46	0.47%	33	11	0.48%	35	39	0.49%	34	96	0.48%	
Cardiovascular, medium	0.570	2	1,010	10.32%	2	219	9.58%	2	778	9.72%	2	2,007	10.00%	
Cardiovascular, medium - child	0.188	49	58	0.59%	45	18	0.79%	48	53	0.66%	49	129	0.64%	
Cardiovascular, low	0.192	19	927	9.47%	21	202	8.83%	19	734	9.17%	19	1,863	9.28%	
Cardiovascular, extra low	0.106	7	3,027	30.92%	7	601	26.28%	6	2,434	30.41%	6	6,062	30.19%	
Cerebrovascular, low	0.153	43	141	1.44%	42	46	2.01%	44	135	1.69%	44	322	1.60%	
CNS, medium to high	0.589	17	305	3.12%	20	66	2.89%	22	235	2.94%	20	606	3.02%	
CNS, high - child	1.358	41	25	0.26%	43	5	0.22%	43	16	0.20%	41	46	0.23%	
CNS, low	0.218	4	1,672	17.08%	6	361	15.78%	5	1,403	17.53%	5	3,436	17.11%	
DD, low to medium	0.153	39	354	3.62%	39	72	3.15%	33	374	4.67%	38	800	3.98%	
Diabetes, type 1 high	1.267	45	13	0.13%	49	2	0.09%	45	14	0.17%	45	29	0.14%	
Diabetes, type 1 medium	0.883	32	131	1.34%	37	17	0.74%	32	86	1.20%	32	244	1.22%	
Diabetes, type 2 medium	0.416	9	616	6.29%	19	97	4.24%	14	404	5.05%	12	1,117	5.56%	
Diabetes, type 2 low	0.177	15	1,087	11.10%	22	195	8.53%	16	896	11.20%	18	2,178	10.85%	
Eye, low	0.142	47	95	0.97%	48	18	0.79%	49	70	0.87%	47	183	0.91%	
Eye, very low	0.107	31	909	9.28%	36	113	4.94%	34	516	6.45%	33	1,538	7.66%	
Genital, extra low	0.070	42	364	3.72%	44	78	3.41%	42	315	3.94%	43	757	3.77%	
Gastro, medium to high	0.523	8	538	5.50%	9	114	4.98%	9	415	5.19%	9	1,067	5.31%	
Gastro, high - child	1.264	27	94	0.96%	26	23	1.01%	31	62	0.77%	30	179	0.89%	
Gastro, low	0.127	11	1,910	19.51%	17	331	14.47%	12	1,433	17.91%	11	3,674	18.30%	
Hematological, very high to extra high	1.633	23	87	0.89%	37	12	0.52%	20	86	1.07%	23	185	0.92%	
Hematological, medium	0.705	33	125	1.28%	30	33	1.44%	30	113	1.41%	31	271	1.35%	
Hematological, low	0.491	37	122	1.25%	35	28	1.22%	37	100	1.25%	37	250	1.25%	
AIDS, high	1.699	5	213	2.18%	4	57	2.49%	4	180	2.25%	4	450	2.24%	
HIV, medium	1.210	44	16	0.16%	40	7	0.31%	41	21	0.26%	42	44	0.22%	
Infectious, low to medium	0.435	24	321	3.28%	13	108	4.72%	24	276	3.45%	22	705	3.51%	
Metabolic, high	1.035	21	157	1.60%	28	26	1.14%	21	135	1.69%	21	318	1.58%	
Metabolic, high - child	0.158	51	35	0.36%	50	6	0.26%	51	35	0.44%	51	76	0.38%	
Metabolic, medium	0.396	26	338	3.45%	23	87	3.80%	27	277	3.46%	26	702	3.50%	
Metabolic, very low	0.138	25	1,012	10.34%	25	233	10.19%	25	820	10.26%	25	2,065	10.28%	
Pregnancy, incomplete	0.395	48	29	0.30%	47	8	0.35%	50	25	0.31%	48	62	0.31%	
Psychiatric, high	0.677	3	593	6.06%	5	133	5.82%	3	516	6.45%	3	1,242	6.19%	
Psychiatric, medium low to medium	0.264	1	2,579	26.34%	1	616	26.93%	1	2,186	27.31%	1	5,381	26.80%	
Psychiatric, low	0.167	14	1,202	12.28%	16	253	11.06%	13	1,022	12.77%	15	2,477	12.34%	
Pulmonary, very high	1.167	13	187	1.91%	10	48	2.10%	15	137	1.71%	13	372	1.85%	
Pulmonary, very high - child	1.465	36	42	0.43%	27	19	0.83%	39	28	0.35%	36	89	0.44%	
Pulmonary, high	0.593	50	17	0.17%	51	1	0.04%	47	17	0.21%	50	35	0.17%	
Pulmonary, medium	0.475	18	376	3.84%	11	116	5.07%	17	326	4.07%	16	818	4.07%	
Pulmonary, low	0.178	6	1,845	18.85%	8	337	14.74%	7	1,301	16.26%	7	3,483	17.35%	
Renal, extra high	3.856	20	45	0.46%	14	12	0.52%	10	54	0.67%	14	111	0.55%	
Renal, very high	0.489	28	241	2.46%	29	48	2.10%	28	224	2.80%	28	513	2.55%	
Renal, low to medium	0.132	38	443	4.53%	38	86	3.76%	38	327	4.09%	39	856	4.26%	
Skeletal, medium	0.308	16	623	6.36%	15	142	6.21%	17	494	6.17%	17	1,259	6.27%	
Skeletal, very low to low	0.149	12	1,606	16.40%	12	336	14.69%	11	1,251	15.63%	10	3,193	15.90%	
Skin, low - high	0.254	40	138	1.41%	41	31	1.36%	40	129	1.61%	40	298	1.48%	
Skin, very low	0.090	34	721	7.36%	34	169	7.39%	36	567	7.08%	35	1,457	7.26%	
Substance abuse, very low to low	0.153	30	751	7.67%	24	215	9.40%	29	628	7.85%	29	1,594	7.94%	
Population Statistics														
No Classified Disease Categories	N/A	N/A	1,817	18.56%	N/A	479	20.94%	N/A	1,447	18.08%	N/A	3,743	18.64%	
Unscored Members														
Risk Weight	Magnolia			Molina			United			Total				
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months		
Demographic Categories														
Age 1 to 4	1.113	N/A	4	4.44%	N/A	0	0.00%	N/A	8	8.00%	N/A	12	4.69%	
Age 5 to 14 Female	0.660	N/A	4	4.44%	N/A	4	6.06%	N/A	4	4.00%	N/A	12	4.69%	
Age 5 to 14 Male	0.572	N/A	8	8.89%	N/A	10	15.15%	N/A	13	13.00%	N/A	31	12.11%	
Age 15 to 24 Female	0.746	N/A	5	5.56%	N/A	2	3.03%	N/A	0	0.00%	N/A	7	2.73%	
Age 15 to 24 Male	0.523	N/A	7	7.78%	N/A	6	9.09%	N/A	6	6.00%	N/A	19	7.42%	
Age 25 to 44 Female	1.154	N/A	7	7.78%	N/A	6	9.09%	N/A	10	10.00%	N/A	23	8.98%	
Age 25 to 44 Male	0.821	N/A	10	11.11%	N/A	6	9.09%	N/A	11	11.00%	N/A	27	10.55%	
Age 45 to 64 Female	1.314	N/A	22	24.44%	N/A	16	24.24%	N/A	20	20.00%	N/A	58	22.66%	
Age 45 to 64 Male	1.185	N/A	23	25.56%	N/A	16	24.24%	N/A	28	28.00%	N/A	67	26.17%	
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	
Risk Adjustment Results														
Scored Members														
Member Months			9,790	Member Months			2,287	Member Months			8,003	Member Months		20,080
Unadjusted Plan Factor			0.994	Unadjusted Plan Factor			0.974	Unadjusted Plan Factor			0.997	Unadjusted Plan Factor		0.993
Budget Neutral Plan Factor			1.001	Budget Neutral Plan Factor			0.981	Budget Neutral Plan Factor			1.004	Budget Neutral Plan Factor		1.000
Unscored Members														
Member Months			90	Member Months			66	Member Months			100	Member Months		256
Unadjusted Plan Factor			1.017	Unadjusted Plan Factor			0.982	Unadjusted Plan Factor			1.022	Unadjusted Plan Factor		1.010
Budget Neutral Plan Factor			1.007	Budget Neutral Plan Factor			0.973	Budget Neutral Plan Factor			1.012	Budget Neutral Plan Factor		1.000
Total Members														
Member Months			9,880	Member Months			2,353	Member Months			8,103	Member Months		20,336
Unadjusted Plan Factor			0.994	Unadjusted Plan Factor			0.974	Unadjusted Plan Factor			0.997	Unadjusted Plan Factor		0.993
Budget Neutral Plan Factor			1.001	Budget Neutral Plan Factor			0.980	Budget Neutral Plan Factor			1.004	Budget Neutral Plan Factor		1.000

Exhibit 3B Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI/ Disabled - Central Region - Q1 to Q2 2023 Prospective Risk Score: June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.077	N/A	10,724	100.00%	N/A	2,553	100.00%	N/A	8,276	100.00%	N/A	21,553	100.00%
Demographic Categories													
Age 1 to 4	0.087	N/A	358	3.34%	N/A	213	8.34%	N/A	311	3.76%	N/A	882	4.09%
Age 5 to 14 Female	0.089	N/A	559	5.21%	N/A	122	4.78%	N/A	436	5.27%	N/A	1,117	5.18%
Age 5 to 14 Male	0.067	N/A	1,200	11.19%	N/A	292	11.44%	N/A	933	11.27%	N/A	2,425	11.25%
Age 15 to 24 Female	0.108	N/A	545	5.08%	N/A	153	5.99%	N/A	436	5.27%	N/A	1,134	5.26%
Age 15 to 24 Male	0.000	N/A	1,025	9.56%	N/A	280	10.97%	N/A	801	9.68%	N/A	2,106	9.77%
Age 25 to 44 Female	0.206	N/A	1,217	11.35%	N/A	185	7.25%	N/A	866	10.46%	N/A	2,268	10.52%
Age 25 to 44 Male	0.053	N/A	1,256	11.71%	N/A	305	11.95%	N/A	1,044	12.61%	N/A	2,605	12.09%
Age 45 to 64 Female	0.109	N/A	2,546	23.74%	N/A	429	16.80%	N/A	1,801	21.76%	N/A	4,776	22.16%
Age 45 to 64 Male	0.111	N/A	1,952	18.20%	N/A	571	22.37%	N/A	1,610	19.45%	N/A	4,133	19.18%
Age 65 and Older Male and Female	0.006	N/A	66	0.62%	N/A	3	0.12%	N/A	38	0.46%	N/A	107	0.50%
Duration Categories													
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	38	0.35%	N/A	28	1.10%	N/A	49	0.59%	N/A	115	0.53%
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	55	0.51%	N/A	52	2.04%	N/A	56	0.68%	N/A	163	0.76%
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	10,631	99.13%	N/A	2,473	96.87%	N/A	8,171	98.73%	N/A	21,275	98.71%
Disease Categories													
Cancer, very high	4.640	11	62	0.58%	3	29	1.14%	13	38	0.46%	10	129	0.60%
Cancer, high	1.263	23	126	1.17%	12	42	1.65%	24	97	1.17%	23	265	1.23%
Cancer, medium	0.649	29	210	1.96%	30	46	1.80%	23	196	2.37%	28	452	2.10%
Cancer, low	0.148	46	131	1.22%	48	28	1.10%	47	82	0.99%	46	241	1.12%
Cardiovascular, very high	1.401	30	86	0.80%	35	12	0.47%	34	39	0.47%	32	137	0.64%
Cardiovascular, medium	0.570	3	1,041	9.71%	4	225	8.81%	4	735	8.88%	3	2,001	9.28%
Cardiovascular, medium - child	0.168	50	54	0.50%	50	15	0.59%	50	42	0.51%	50	50	0.22%
Cardiovascular, low	0.192	22	896	8.36%	17	255	9.99%	22	703	8.49%	22	1,854	8.60%
Cardiovascular, extra low	0.106	7	3,442	32.10%	9	683	26.75%	6	2,493	30.12%	6	6,618	30.71%
Cerebrovascular, low	0.153	43	282	2.63%	41	67	2.62%	43	184	2.22%	43	533	2.47%
CNS, medium to high	0.589	16	373	3.48%	13	89	3.49%	17	285	3.44%	17	747	3.47%
CNS, high - child	1.358	40	41	0.38%	46	4	0.16%	42	24	0.29%	42	69	0.32%
CNS, low	0.218	5	1,995	18.60%	6	499	19.55%	5	1,497	18.09%	5	3,991	18.52%
DD, low to medium	0.153	36	485	4.52%	33	137	5.37%	33	371	4.48%	34	993	4.61%
Diabetes, type 1 high	1.267	45	20	0.19%	43	5	0.20%	46	10	0.12%	45	35	0.16%
Diabetes, type 1 medium	0.883	35	116	1.08%	36	22	0.86%	35	79	0.95%	35	217	1.01%
Diabetes, type 2 medium	0.416	10	758	7.07%	18	116	4.54%	11	438	5.29%	11	1,312	6.09%
Diabetes, type 2 low	0.177	21	1,106	10.31%	26	209	8.19%	20	891	10.77%	20	2,206	10.24%
Eye, low	0.142	47	130	1.21%	49	22	0.86%	48	78	0.94%	47	230	1.07%
Eye, very low	0.107	31	1,079	10.06%	38	125	4.90%	32	553	6.68%	33	1,757	8.15%
Genital, extra low	0.070	44	400	3.73%	44	65	2.53%	44	327	3.95%	44	812	3.77%
Gastro, medium to high	0.523	9	669	6.24%	7	185	7.25%	7	469	5.67%	8	1,323	6.14%
Gastro, high - child	1.264	33	82	0.76%	27	28	1.10%	30	70	0.85%	30	180	0.84%
Gastro, low	0.127	13	1,945	18.14%	21	353	13.83%	19	1,254	15.15%	15	3,552	16.48%
Hematological, very high to extra high	1.633	20	120	1.12%	29	19	0.74%	21	91	1.10%	21	230	1.07%
Hematological, medium	0.705	32	155	1.45%	31	38	1.49%	31	124	1.50%	31	317	1.47%
Hematological, low	0.491	38	129	1.20%	32	45	1.76%	39	98	1.18%	38	272	1.26%
AIDS, high	1.699	4	320	2.98%	5	64	2.51%	3	254	3.07%	4	638	2.96%
HIV, medium	1.210	41	39	0.36%	42	8	0.31%	38	40	0.48%	40	87	0.40%
Infectious, low to medium	0.435	26	350	3.26%	22	99	3.88%	27	263	3.18%	25	712	3.30%
Metabolic, high	1.035	19	193	1.80%	23	38	1.49%	18	156	1.88%	19	387	1.80%
Metabolic, high - child	0.158	51	52	0.48%	51	12	0.47%	51	45	0.54%	51	109	0.51%
Metabolic, medium	0.396	27	378	3.52%	25	94	3.68%	26	289	3.49%	27	761	3.53%
Metabolic, very low	0.138	24	1,141	10.64%	24	277	10.85%	28	824	9.98%	26	2,242	10.40%
Pregnancy, incomplete	0.395	48	36	0.34%	45	14	0.55%	49	26	0.31%	49	76	0.35%
Psychiatric, high	0.677	2	1,018	9.49%	2	233	9.13%	2	741	8.95%	2	1,992	9.24%
Psychiatric, medium low to medium	0.264	1	3,121	29.10%	1	687	26.91%	1	2,264	27.36%	1	6,072	28.17%
Psychiatric, low	0.167	18	1,244	11.60%	19	281	11.01%	12	1,081	13.06%	18	2,606	12.09%
Pulmonary, very high	1.167	15	201	1.87%	16	43	1.68%	16	145	1.75%	14	389	1.80%
Pulmonary, very high - child	1.465	39	40	0.37%	34	12	0.47%	40	31	0.37%	39	83	0.39%
Pulmonary, high	0.593	49	22	0.21%	47	7	0.27%	45	24	0.29%	48	53	0.25%
Pulmonary, medium	0.475	17	441	4.11%	11	122	4.78%	14	366	4.42%	16	929	4.31%
Pulmonary, low	0.178	8	1,963	18.30%	10	381	14.92%	8	1,295	15.65%	9	3,639	16.88%
Renal, extra high	3.856	6	103	0.96%	8	22	0.86%	9	55	0.66%	7	180	0.84%
Renal, very high	0.489	28	289	2.69%	28	68	2.66%	29	216	2.61%	29	573	2.66%
Renal, low to medium	0.132	34	609	5.68%	39	99	3.88%	37	389	4.70%	36	1,097	5.09%
Skeletal, medium	0.308	14	794	7.40%	15	165	6.46%	15	559	6.75%	13	1,518	7.04%
Skeletal, very low to low	0.149	12	1,704	15.89%	14	352	13.79%	10	1,248	15.08%	12	3,304	15.33%
Skin, low - high	0.254	42	182	1.70%	40	45	1.76%	41	156	1.88%	41	383	1.78%
Skin, very low	0.090	37	781	7.28%	37	158	6.19%	36	577	6.97%	37	1,516	7.03%
Substance abuse, very low to low	0.153	25	1,019	9.50%	20	295	11.56%	25	787	9.51%	24	2,101	9.75%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,704	15.89%	N/A	475	18.61%	N/A	1,501	18.14%	N/A	3,680	17.07%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	2	3.03%	N/A	2	2.56%	N/A	0	0.00%	N/A	4	1.80%
Age 5 to 14 Female	0.660	N/A	1	1.52%	N/A	1	1.28%	N/A	2	2.56%	N/A	4	1.80%
Age 5 to 14 Male	0.572	N/A	4	6.06%	N/A	5	6.41%	N/A	8	10.26%	N/A	17	7.66%
Age 15 to 24 Female	0.746	N/A	7	10.61%	N/A	5	6.41%	N/A	4	5.13%	N/A	16	7.21%
Age 15 to 24 Male	0.523	N/A	1	1.52%	N/A	7	8.97%	N/A	6	7.69%	N/A	14	6.31%
Age 25 to 44 Female	1.154	N/A	7	10.61%	N/A	12	15.38%	N/A	13	16.67%	N/A	32	14.41%
Age 25 to 44 Male	0.821	N/A	13	19.70%	N/A	13	16.67%	N/A	11	14.10%	N/A	37	16.67%
Age 45 to 64 Female	1.314	N/A	14	21.21%	N/A	15	19.23%	N/A	18	23.08%	N/A	47	21.71%
Age 45 to 64 Male	1.185	N/A	17	25.76%	N/A	18	23.08%	N/A	16	20.51%	N/A	51	22.97%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Risk Adjustment Results													
Magnolia			Molina			United			Total				
Scored Members			Unscored Members			Unscored Members			Unscored Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral				

Exhibit 3C Mississippi Division of Medicaid Risk Adjustment Results Non-Newborn SSI / Disabled - South Region - Q1 to Q2 2023 Prospective Risk Score June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.077	N/A	7,392	100.00%	N/A	2,249	100.00%	N/A	7,568	100.00%	N/A	17,209	100.00%
Demographic Categories													
Age 1 to 4	0.087	N/A	262	3.41%	N/A	150	6.67%	N/A	256	3.38%	N/A	658	3.82%
Age 5 to 14 Female	0.089	N/A	432	5.84%	N/A	109	4.85%	N/A	402	5.31%	N/A	943	5.48%
Age 5 to 14 Male	0.067	N/A	941	12.73%	N/A	231	10.27%	N/A	913	12.06%	N/A	2,085	12.12%
Age 15 to 24 Female	0.108	N/A	354	4.79%	N/A	154	6.85%	N/A	385	5.09%	N/A	893	5.19%
Age 15 to 24 Male	0.000	N/A	612	8.28%	N/A	261	11.61%	N/A	686	9.06%	N/A	1,559	9.06%
Age 25 to 44 Female	0.206	N/A	719	9.73%	N/A	192	8.54%	N/A	771	10.19%	N/A	1,682	9.77%
Age 25 to 44 Male	0.053	N/A	770	10.42%	N/A	208	9.25%	N/A	838	11.07%	N/A	1,816	10.55%
Age 45 to 64 Female	0.109	N/A	1,924	26.03%	N/A	476	21.16%	N/A	1,846	24.39%	N/A	4,246	24.67%
Age 45 to 64 Male	0.111	N/A	1,366	18.48%	N/A	465	20.68%	N/A	1,456	19.24%	N/A	3,287	19.10%
Age 65 and Older Male and Female	0.006	N/A	22	0.30%	N/A	3	0.13%	N/A	15	0.20%	N/A	40	0.23%
Duration Categories													
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A	30	0.41%	N/A	34	1.51%	N/A	51	0.67%	N/A	115	0.67%
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A	47	0.64%	N/A	45	2.00%	N/A	62	0.82%	N/A	154	0.89%
Diagnosis Period Duration, 10 to 12 Months	0.000	N/A	7,315	98.96%	N/A	2,170	96.49%	N/A	7,455	98.51%	N/A	16,940	98.44%
Disease Categories													
Cancer, very high	4.640	7	57	0.77%	7	17	0.76%	12	43	0.57%	8	117	0.68%
Cancer, high	1.263	21	110	1.49%	13	42	1.87%	24	97	1.28%	22	249	1.45%
Cancer, medium	0.649	30	131	1.77%	28	39	1.73%	27	159	2.10%	29	329	1.91%
Cancer, low	0.148	46	91	1.23%	45	31	1.38%	46	87	1.15%	46	209	1.21%
Cardiovascular, very high	1.401	33	53	0.72%	41	6	0.27%	34	41	0.54%	33	100	0.58%
Cardiovascular, medium	0.570	2	776	10.50%	2	256	11.38%	2	730	9.65%	2	1,762	10.24%
Cardiovascular, medium - child	0.188	51	34	0.46%	47	13	0.58%	51	26	0.34%	51	73	0.42%
Cardiovascular, low	0.192	19	799	10.81%	20	238	10.58%	19	808	10.68%	19	1,845	10.72%
Cardiovascular, extra low	0.106	10	2,236	30.25%	11	558	24.81%	7	2,312	30.55%	9	5,106	29.67%
Cerebrovascular, low	0.153	43	200	2.71%	42	54	2.40%	43	163	2.15%	43	417	2.42%
CNS, medium to high	0.589	16	322	4.36%	16	85	3.78%	17	294	3.88%	16	701	4.07%
CNS, high - child	1.358	42	27	0.37%	43	5	0.22%	39	27	0.36%	42	59	0.34%
CNS, low	0.218	4	1,534	20.75%	6	415	18.45%	4	1,486	19.64%	4	3,435	19.96%
DD, low to medium	0.153	36	393	5.32%	35	111	4.94%	35	374	4.94%	37	878	5.10%
Diabetes, type 1 high	1.267	41	29	0.39%	51	0	0.00%	45	16	0.21%	44	45	0.26%
Diabetes, type 1 medium	0.883	34	96	1.30%	36	24	1.07%	33	86	1.14%	32	206	1.20%
Diabetes, type 2 medium	0.416	11	514	6.95%	12	136	6.05%	16	419	5.54%	13	1,069	6.21%
Diabetes, type 2 low	0.177	23	763	10.32%	25	173	7.69%	22	736	9.73%	23	1,672	9.72%
Eye, low	0.142	47	72	0.97%	50	12	0.53%	48	72	0.95%	48	156	0.91%
Eye, very low	0.107	32	700	9.47%	40	120	5.34%	38	459	6.07%	35	1,279	7.43%
Genital, extra low	0.070	45	427	4.42%	44	77	3.42%	44	308	4.07%	45	712	4.14%
Gastro, medium to high	0.523	6	571	7.72%	5	174	7.74%	6	578	7.61%	6	1,321	7.68%
Gastro, high - child	1.264	31	65	0.88%	33	15	0.67%	30	67	0.89%	31	147	0.85%
Gastro, low	0.127	15	1,519	20.55%	18	379	16.85%	15	1,387	18.33%	15	3,285	19.09%
Hematological, very high to extra high	1.633	26	68	0.92%	31	13	0.58%	28	63	0.83%	28	144	0.84%
Hematological, medium	0.705	29	124	1.68%	26	43	1.91%	31	113	1.49%	30	280	1.63%
Hematological, low	0.491	37	122	1.65%	32	41	1.82%	36	114	1.51%	36	277	1.61%
AIDS, high	1.699	5	181	2.45%	4	59	2.62%	5	189	2.50%	5	429	2.49%
HIV, medium	1.210	44	21	0.28%	30	18	0.80%	41	28	0.37%	40	67	0.39%
Infectious, low to medium	0.435	24	298	4.03%	17	112	4.98%	21	353	4.66%	21	763	4.43%
Metabolic, high	1.035	22	132	1.79%	23	30	1.33%	23	123	1.63%	24	285	1.66%
Metabolic, high - child	0.158	50	46	0.62%	49	11	0.49%	50	45	0.59%	50	102	0.59%
Metabolic, medium	0.396	25	310	4.19%	22	81	3.60%	25	277	3.66%	25	668	3.88%
Metabolic, very low	0.138	27	783	10.59%	24	223	9.92%	29	708	9.36%	27	1,714	9.96%
Pregnancy, incomplete	0.395	49	21	0.28%	48	5	0.22%	49	24	0.32%	49	50	0.29%
Psychiatric, high	0.677	3	594	8.04%	3	177	7.87%	3	583	7.70%	3	1,354	7.87%
Psychiatric, medium low to medium	0.264	1	2,337	31.62%	1	616	27.39%	1	2,284	30.18%	1	5,237	30.43%
Psychiatric, low	0.167	18	1,047	14.16%	19	282	12.54%	13	1,167	15.42%	14	2,496	14.50%
Pulmonary, very high	1.167	9	203	2.75%	10	55	2.45%	9	196	2.59%	10	454	2.64%
Pulmonary, very high - child	1.465	40	26	0.35%	34	12	0.53%	42	17	0.22%	41	55	0.32%
Pulmonary, high	0.593	48	16	0.22%	46	5	0.22%	47	19	0.25%	47	40	0.23%
Pulmonary, medium	0.475	17	369	4.99%	9	136	6.05%	18	357	4.72%	17	862	5.01%
Pulmonary, low	0.178	8	1,398	18.91%	8	370	16.45%	8	1,334	17.63%	7	3,102	18.03%
Renal, extra high	3.856	14	51	0.69%	28	7	0.31%	14	47	0.62%	18	105	0.61%
Renal, very high	0.489	28	214	2.90%	27	62	2.76%	26	217	2.87%	26	493	2.86%
Renal, low to medium	0.132	38	425	5.75%	38	115	5.11%	37	382	5.05%	38	922	5.36%
Skeletal, medium	0.308	12	659	8.92%	14	165	7.34%	11	660	8.72%	12	1,484	8.62%
Skeletal, very low to low	0.149	13	1,361	18.41%	15	337	14.98%	10	1,473	19.46%	11	3,171	18.43%
Skin, low - high	0.254	39	151	2.04%	39	59	2.62%	40	138	1.82%	39	348	2.02%
Skin, very low	0.090	35	700	9.47%	37	174	7.74%	32	675	8.92%	34	1,549	9.00%
Substance abuse, very low to low	0.153	20	910	12.31%	21	283	12.58%	20	1,006	13.29%	20	2,199	12.78%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,154	15.61%	N/A	448	19.92%	N/A	1,270	16.78%	N/A	2,872	16.69%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 4	1.113	N/A	3	3.33%	N/A	0	0.00%	N/A	6	5.36%	N/A	9	3.21%
Age 5 to 14 Female	0.660	N/A	5	5.56%	N/A	3	3.85%	N/A	9	8.04%	N/A	17	6.07%
Age 5 to 14 Male	0.572	N/A	8	8.89%	N/A	6	7.69%	N/A	9	8.04%	N/A	23	8.21%
Age 15 to 24 Female	0.746	N/A	4	4.44%	N/A	5	6.41%	N/A	2	1.79%	N/A	11	3.93%
Age 15 to 24 Male	0.523	N/A	9	10.00%	N/A	6	7.69%	N/A	4	3.57%	N/A	19	6.79%
Age 25 to 44 Female	1.154	N/A	12	13.33%	N/A	11	14.10%	N/A	13	11.61%	N/A	36	12.86%
Age 25 to 44 Male	0.821	N/A	9	10.00%	N/A	9	11.54%	N/A	12	10.71%	N/A	30	10.71%
Age 45 to 64 Female	1.314	N/A	21	23.33%	N/A	18	23.08%	N/A	28	25.00%	N/A	67	23.93%
Age 45 to 64 Male	1.185	N/A	19	21.11%	N/A	20	25.64%	N/A	29	25.89%	N/A	68	24.29%
Age 65 and Older Male and Female	1.046	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Risk Adjustment Results													
Scored Members													
Member Months		7,392		2,249			7,568			17,209			
Unadjusted Plan Factor		1.151		1.072			1.093			1.115			
Budget Neutral Plan Factor		1.032		0.961			0.960			1.000			
Unscored Members													
Member Months		90		78			112			280			
Unadjusted Plan Factor		1.003		1.022			1.048			1.026			
Budget Neutral Plan Factor		0.977		0.996			1.021			1.000			
Total Members													
Member Months		7,482		2,327			7,680			17,489			
Unadjusted Plan Factor		1.149		1.072			1.092			1.114			
Budget Neutral Plan Factor		1.032		0.962			0.961			1.000			

Exhibit 3D

Mississippi Division of Medicaid

Risk Adjustment Results

MA Adult - North Region - C1 to C2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	3,427	100.00%	N/A	2,056	100.00%	N/A	3,161	100.00%	N/A	8,644	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	255	7.44%	N/A	269	13.08%	N/A	306	9.68%	N/A	830	9.60%
Age 15 to 24 Male	0.000	N/A	10	0.29%	N/A	6	0.29%	N/A	8	0.25%	N/A	24	0.28%
Age 25 to 44 Female	0.236	N/A	2,546	74.29%	N/A	1,489	72.42%	N/A	2,279	72.10%	N/A	6,314	73.04%
Age 25 to 44 Male	0.058	N/A	202	5.89%	N/A	123	5.98%	N/A	197	6.23%	N/A	522	6.04%
Age 45 and Older Female	0.245	N/A	344	10.04%	N/A	135	6.57%	N/A	303	9.59%	N/A	782	9.05%
Age 45 and Older Male	0.365	N/A	70	2.04%	N/A	34	1.65%	N/A	68	2.15%	N/A	172	1.99%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	197	5.75%	N/A	210	10.21%	N/A	200	6.33%	N/A	607	7.02%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	98	2.86%	N/A	72	3.50%	N/A	111	3.51%	N/A	281	3.25%
Diagnosis Period Duration, 12 Months	0.000	N/A	3,132	91.39%	N/A	1,774	86.28%	N/A	2,850	90.16%	N/A	7,756	89.73%
Disease Categories													
Cancer, high to very high	3.752	15	17	0.50%	18	7	0.34%	11	20	0.63%	14	44	0.51%
Cancer, medium	0.997	22	36	1.05%	23	19	0.92%	26	28	0.89%	23	83	0.96%
Cancer, low	0.364	36	15	0.44%	37	7	0.34%	37	12	0.38%	36	34	0.39%
Cardiovascular, very high	1.914	37	2	0.06%	38	1	0.05%	39	1	0.03%	39	4	0.05%
Cardiovascular, medium	0.601	11	145	4.23%	7	83	4.04%	13	121	3.83%	10	349	4.04%
Cardiovascular, low	0.315	16	177	5.16%	15	99	4.82%	17	162	5.12%	17	438	5.07%
Cardiovascular, extra low	0.122	3	1,009	29.44%	5	478	23.25%	4	864	27.33%	4	2,351	27.20%
CNS, medium to high	0.836	27	34	0.99%	36	5	0.24%	25	35	1.11%	28	74	0.86%
CNS, low	0.419	8	219	6.39%	10	116	5.64%	6	228	7.21%	8	563	6.51%
Diabetes, type 1 high	2.432	39	1	0.03%	35	2	0.10%	38	1	0.03%	38	4	0.05%
Diabetes, type 1 medium	1.612	17	34	0.99%	17	18	0.88%	22	20	0.63%	18	72	0.83%
Diabetes, type 2 medium	1.043	14	64	1.87%	14	30	1.46%	15	56	1.77%	15	150	1.74%
Diabetes, type 2 low	0.375	6	287	8.37%	8	133	6.47%	8	222	7.02%	7	642	7.43%
DD, low to medium	0.613	40	2	0.06%	39	2	0.10%	40	2	0.06%	40	6	0.07%
Eye, very low to low	0.324	26	89	2.60%	31	28	1.36%	30	73	2.31%	29	190	2.20%
Genital, extra low	0.118	24	262	7.65%	24	159	7.73%	29	206	6.52%	25	627	7.25%
Gastro, medium to high	0.933	9	98	2.86%	6	54	2.63%	14	76	2.40%	9	228	2.64%
Gastro, low	0.224	4	547	15.96%	9	219	10.85%	5	444	14.05%	5	1,210	14.00%
Hematological, low to extra high	0.318	32	64	1.87%	30	34	1.65%	32	55	1.74%	31	153	1.77%
AIDS, high	1.445	13	48	1.40%	16	21	1.02%	10	55	1.74%	13	124	1.43%
HIV, medium	1.320	38	2	0.06%	40	0	0.00%	36	7	0.22%	37	9	0.10%
Infectious, low to medium	0.578	19	86	2.51%	22	38	1.85%	21	60	1.90%	19	184	2.13%
Metabolic, high	0.857	29	27	0.79%	28	16	0.78%	19	43	1.36%	26	86	0.99%
Metabolic, medium	0.393	34	37	1.08%	32	19	0.92%	34	37	1.17%	34	93	1.08%
Metabolic, very low	0.138	30	158	4.61%	29	82	3.99%	33	112	3.54%	32	352	4.07%
Pregnancy, complete	0.160	18	335	9.78%	13	280	13.62%	16	356	11.26%	16	971	11.23%
Pregnancy, incomplete	0.997	2	147	4.29%	1	100	4.86%	3	107	3.39%	2	354	4.10%
Psychiatric, high	0.972	28	26	0.76%	26	18	0.88%	28	27	0.85%	27	71	0.82%
Psychiatric, medium	0.513	23	64	1.87%	21	43	2.09%	20	70	2.21%	22	177	2.05%
Psychiatric, medium low	0.321	5	367	10.71%	3	216	10.51%	2	385	12.18%	3	968	11.20%
Psychiatric, low	0.212	7	475	13.86%	4	279	13.57%	7	435	13.75%	6	1,189	13.76%
Pulmonart, medium to high	0.600	20	75	2.19%	20	37	1.80%	24	50	1.58%	21	162	1.87%
Pulmonary, low	0.227	10	390	11.38%	11	203	9.87%	12	325	10.28%	11	918	10.62%
Renal, medium to extra high	0.855	33	22	0.64%	27	19	0.92%	27	31	0.98%	30	72	0.83%
Renal, low	0.304	31	69	2.01%	33	24	1.17%	31	60	1.90%	33	153	1.77%
Skeletal, medium	0.586	12	132	3.85%	12	77	3.75%	9	138	4.37%	12	347	4.01%
Skeletal, very low to low	0.362	1	548	15.99%	2	245	11.92%	1	495	15.66%	1	1,288	14.90%
Skin, low to high	0.941	35	11	0.32%	34	7	0.34%	35	13	0.41%	35	31	0.36%
Skin, very low	0.132	25	220	6.42%	25	140	6.81%	23	234	7.40%	24	594	6.87%
Substance abuse, low	0.289	21	130	3.79%	19	80	3.89%	18	136	4.30%	20	346	4.00%
Population Statistics													
No Classified Disease Categories	N/A	N/A	942	27.49%	N/A	642	31.23%	N/A	902	28.54%	N/A	2,486	28.76%

	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 15 to 24 Female	0.822	N/A	15	5.88%	N/A	24	10.21%	N/A	21	7.89%	N/A	60	7.94%
Age 15 to 24 Male	0.514	N/A	4	1.57%	N/A	2	0.85%	N/A	4	1.50%	N/A	10	1.32%
Age 25 to 44 Female	0.989	N/A	180	70.59%	N/A	146	62.13%	N/A	161	60.53%	N/A	487	64.42%
Age 25 to 44 Male	0.770	N/A	28	10.98%	N/A	33	14.04%	N/A	36	13.53%	N/A	97	12.83%
Age 45 and Older Female	1.353	N/A	18	7.06%	N/A	20	8.51%	N/A	34	12.78%	N/A	72	9.52%
Age 45 and Older Male	1.362	N/A	10	3.92%	N/A	10	4.26%	N/A	10	3.76%	N/A	30	3.97%

Risk Adjustment Results									
		Magnolia		Molina	United		Total		
Scored Members									
Member Months		3,427		2,056	3,161		8,644		
Unadjusted Plan Factor		1.030		0.964	1.021		1.011		
Budget Neutral Plan Factor		1.018		0.954	1.010		1.000		
Unscored Members									
Member Months		255		235	266		756		
Unadjusted Plan Factor		0.994		0.994	1.008		0.999		
Budget Neutral Plan Factor		0.995		0.995	1.009		1.000		
Total Members									
Member Months		3,682		2,291	3,427		9,400		
Unadjusted Plan Factor		1.027		0.968	1.020		1.010		
Budget Neutral Plan Factor		1.017		0.958	1.010		1.000		

Exhibit 3E

Mississippi Division of Medicaid

Risk Adjustment Results

MA Adult - Central Region - Q1 to Q2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	3,914	100.00%	N/A	2,644	100.00%	N/A	3,710	100.00%	N/A	10,268	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	255	6.52%	N/A	267	10.10%	N/A	306	8.25%	N/A	828	8.06%
Age 15 to 24 Male	0.000	N/A	7	0.18%	N/A	5	0.19%	N/A	16	0.43%	N/A	28	0.27%
Age 25 to 44 Female	0.236	N/A	2,967	75.80%	N/A	2,032	76.85%	N/A	2,704	72.88%	N/A	7,703	75.02%
Age 25 to 44 Male	0.058	N/A	183	4.68%	N/A	138	5.22%	N/A	202	5.44%	N/A	523	5.09%
Age 45 and Older Female	0.245	N/A	413	10.55%	N/A	150	5.67%	N/A	398	10.73%	N/A	961	9.36%
Age 45 and Older Male	0.365	N/A	89	2.27%	N/A	52	1.97%	N/A	84	2.26%	N/A	225	2.19%
Duration Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	248	6.34%	N/A	218	8.25%	N/A	252	6.79%	N/A	718	6.99%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	127	3.24%	N/A	106	4.01%	N/A	169	4.56%	N/A	402	3.92%
Diagnosis Period Duration, 12 Months	0.000	N/A	3,539	90.42%	N/A	2,320	87.75%	N/A	3,289	88.65%	N/A	9,148	89.09%
Disease Categories													
Cancer, high to very high	3.752	17	16	0.41%	18	9	0.34%	19	14	0.38%	17	39	0.38%
Cancer, medium	0.997	26	37	0.95%	26	21	0.79%	25	34	0.92%	25	92	0.90%
Cancer, low	0.364	37	14	0.36%	39	10	0.38%	39	16	0.43%	38	40	0.39%
Cardiovascular, very high	1.914	39	1	0.03%	38	2	0.08%	37	4	0.11%	39	7	0.07%
Cardiovascular, medium	0.601	12	140	3.58%	12	89	3.37%	12	135	3.64%	12	364	3.54%
Cardiovascular, low	0.315	19	152	3.88%	19	85	3.21%	20	151	4.07%	20	388	3.78%
Cardiovascular, extra low	0.122	3	1,161	29.66%	4	681	25.76%	4	1,069	28.81%	4	2,911	28.35%
CNS, medium to high	0.836	29	35	0.89%	29	19	0.72%	26	40	1.08%	27	94	0.92%
CNS, low	0.419	8	263	6.72%	9	138	5.22%	8	245	6.60%	8	646	6.29%
Diabetes, type 1 high	2.432	38	2	0.05%	37	2	0.08%	38	3	0.08%	37	7	0.07%
Diabetes, type 1 medium	1.612	18	32	0.82%	25	13	0.49%	17	36	0.97%	19	81	0.79%
Diabetes, type 2 medium	1.043	13	80	2.04%	15	40	1.51%	13	76	2.05%	13	196	1.91%
Diabetes, type 2 low	0.375	7	302	7.72%	13	138	5.22%	10	251	6.77%	9	691	6.73%
DD, low to medium	0.613	40	3	0.08%	40	1	0.04%	40	2	0.05%	40	6	0.06%
Eye, very low to low	0.324	24	119	3.04%	32	36	1.36%	27	87	2.35%	28	242	2.36%
Genital, extra low	0.118	27	286	7.31%	24	192	7.26%	29	234	6.31%	26	712	6.93%
Gastro, medium to high	0.933	9	103	2.63%	6	78	2.95%	7	113	3.05%	7	294	2.86%
Gastro, low	0.224	5	573	14.64%	7	305	11.54%	6	540	14.58%	6	1,418	13.81%
Hematological, low to extra high	0.318	30	84	2.15%	30	43	1.63%	31	76	2.05%	32	203	1.98%
AIDS, high	1.445	14	52	1.33%	14	29	1.10%	14	52	1.40%	14	133	1.30%
HIV, medium	1.320	35	13	0.33%	36	4	0.15%	36	10	0.27%	36	27	0.26%
Infectious, low to medium	0.578	22	72	1.84%	21	45	1.70%	22	74	1.99%	23	191	1.86%
Metabolic, high	0.857	31	31	0.79%	28	19	0.72%	32	26	0.70%	30	76	0.74%
Metabolic, medium	0.393	33	52	1.33%	34	27	1.02%	34	44	1.19%	33	123	1.20%
Metabolic, very low	0.138	34	133	3.40%	33	84	3.18%	33	126	3.40%	34	343	3.34%
Pregnancy, complete	0.160	16	392	10.02%	10	359	13.58%	16	409	11.02%	15	1,160	11.30%
Pregnancy, incomplete	0.997	4	138	3.53%	1	140	5.30%	2	158	4.26%	2	436	4.25%
Psychiatric, high	0.972	20	48	1.23%	22	25	0.95%	23	42	1.13%	22	115	1.12%
Psychiatric, medium	0.513	23	81	2.07%	20	52	1.97%	21	87	2.35%	21	220	2.14%
Psychiatric, medium low	0.321	2	471	12.03%	3	262	10.67%	3	416	11.21%	3	1,169	11.38%
Psychiatric, low	0.212	6	561	14.33%	5	365	13.80%	5	591	15.93%	5	1,517	14.77%
Pulmonary, medium to high	0.600	21	73	1.87%	17	59	2.23%	18	88	2.37%	18	220	2.14%
Pulmonary, low	0.227	11	403	10.30%	11	239	9.04%	11	407	10.97%	11	1,049	10.22%
Renal, medium to extra high	0.855	28	36	0.92%	27	24	0.91%	30	31	0.84%	29	91	0.89%
Renal, low	0.304	32	82	2.10%	31	41	1.55%	28	91	2.45%	31	214	2.08%
Skeletal, medium	0.586	10	160	4.09%	8	102	3.86%	9	173	4.68%	10	435	4.24%
Skeletal, very low to low	0.362	1	564	14.41%	2	288	10.89%	1	500	13.48%	1	1,352	13.17%
Skin, low to high	0.941	36	18	0.46%	35	9	0.34%	35	17	0.46%	35	44	0.43%
Skin, very low	0.132	25	287	7.33%	23	176	6.66%	24	277	7.47%	24	740	7.21%
Substance abuse, low	0.289	15	237	6.06%	16	138	5.22%	15	229	6.17%	16	604	5.88%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,134	28.97%	N/A	845	31.96%	N/A	1,055	28.44%	N/A	3,034	29.55%

	Risk Weight	Unscored Members											
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 15 to 24 Female	0.922	N/A	14	5.22%	N/A	18	6.92%	N/A	28	9.76%	N/A	60	7.36%
Age 15 to 24 Male	0.514	N/A	2	0.75%	N/A	2	0.77%	N/A	10	3.48%	N/A	14	1.72%
Age 25 to 44 Female	0.989	N/A	178	66.42%	N/A	171	65.77%	N/A	174	60.63%	N/A	523	64.17%
Age 25 to 44 Male	0.770	N/A	44	16.42%	N/A	37	14.23%	N/A	34	11.85%	N/A	115	14.11%
Age 45 and Older Female	1.353	N/A	21	7.84%	N/A	22	8.46%	N/A	32	11.15%	N/A	75	9.20%
Age 45 and Older Male	1.362	N/A	9	3.36%	N/A	10	3.85%	N/A	9	3.14%	N/A	28	3.44%

		Risk Adjustment Results			
		Magnolia	Molina	United	Total
Scored Members					
Member Months		3,914	2,644	3,710	10,268
Unadjusted Plan Factor		1.019	0.958	1.036	1.010
Budget Neutral Plan Factor		1.009	0.949	1.026	1.000
Unscored Members					
Member Months		268	260	287	815
Unadjusted Plan Factor		0.987	0.995	0.992	0.991
Budget Neutral Plan Factor		0.996	1.003	1.001	1.000
Total Members					
Member Months		4,182	2,904	3,997	11,083
Unadjusted Plan Factor		1.017	0.962	1.033	1.008
Budget Neutral Plan Factor		1.008	0.954	1.024	1.000

Exhibit 3F

Mississippi Division of Medicaid

Risk Adjustment Results

MA Adult - South Region - C1 to C2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.142	N/A	4,828	100.00%	N/A	3,986	100.00%	N/A	5,894	100.00%	N/A	14,708	100.00%
Demographic Categories													
Age 15 to 24 Female	0.330	N/A	318	6.59%	N/A	401	10.06%	N/A	432	7.33%	N/A	1,151	7.83%
Age 15 to 24 Male	0.000	N/A	14	0.29%	N/A	21	0.53%	N/A	14	0.24%	N/A	49	0.33%
Age 25 to 44 Female	0.236	N/A	3,436	71.17%	N/A	2,817	70.67%	N/A	4,123	69.95%	N/A	10,376	70.55%
Age 25 to 44 Male	0.058	N/A	395	8.18%	N/A	327	8.20%	N/A	500	8.48%	N/A	1,222	8.31%
Age 45 and Older Female	0.245	N/A	530	10.98%	N/A	318	7.98%	N/A	611	10.37%	N/A	1,459	9.92%
Age 45 and Older Male	0.365	N/A	135	2.80%	N/A	102	2.56%	N/A	214	3.63%	N/A	451	3.07%
Disease Categories													
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A	229	4.74%	N/A	209	5.24%	N/A	314	5.33%	N/A	752	5.11%
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A	196	4.06%	N/A	164	4.11%	N/A	209	3.56%	N/A	569	3.87%
Diagnosis Period Duration, 12 Months	0.000	N/A	4,403	91.20%	N/A	3,613	90.64%	N/A	5,371	91.13%	N/A	13,387	91.02%
Disease Categories													
Cancer, high to very high	3.752	24	12	0.25%	21	13	0.33%	21	22	0.37%	22	47	0.32%
Cancer, medium	0.997	32	34	0.70%	25	31	0.78%	24	56	0.95%	24	121	0.82%
Cancer, low	0.364	36	34	0.70%	38	20	0.50%	39	29	0.49%	38	83	0.56%
Cardiovascular, very high	1.914	39	3	0.06%	37	6	0.15%	38	6	0.10%	39	15	0.10%
Cardiovascular, medium	0.601	13	169	3.50%	13	125	3.14%	13	213	3.61%	13	507	3.45%
Cardiovascular, low	0.315	15	249	5.16%	16	200	5.02%	17	300	5.09%	16	749	5.09%
Cardiovascular, extra low	0.122	8	1,212	25.10%	7	879	22.05%	6	1,555	26.38%	8	3,646	24.79%
CNS, medium to high	0.836	27	48	0.99%	32	21	0.53%	25	66	1.12%	28	135	0.92%
CNS, low	0.419	5	412	8.53%	6	302	7.58%	5	508	8.62%	5	1,222	8.31%
Diabetes, type 1 high	2.432	37	5	0.10%	34	7	0.18%	37	7	0.12%	36	19	0.13%
Diabetes, type 1 medium	1.612	20	41	0.85%	20	32	0.80%	19	55	0.93%	20	128	0.87%
Diabetes, type 2 medium	1.043	14	93	1.93%	22	42	1.05%	14	111	1.88%	14	246	1.67%
Diabetes, type 2 low	0.375	10	309	6.40%	14	190	4.77%	12	360	6.11%	12	859	5.84%
DD, low to medium	0.613	40	6	0.12%	40	4	0.10%	40	5	0.08%	40	15	0.10%
Eye, very low to low	0.324	25	135	2.80%	35	49	1.23%	31	125	2.12%	30	309	2.10%
Genital, extra low	0.118	29	322	6.67%	26	255	6.40%	26	426	7.23%	27	1,003	6.82%
Gastro, medium to high	0.933	3	192	3.98%	3	170	4.26%	3	260	4.41%	3	622	4.23%
Gastro, low	0.224	6	760	15.74%	9	429	10.76%	7	809	13.73%	7	1,998	13.58%
Hematological, low to extra high	0.318	28	119	2.46%	27	93	2.33%	32	100	1.70%	31	312	2.12%
AIDS, high	1.445	16	54	1.12%	18	38	0.95%	16	70	1.19%	17	162	1.10%
HIV, medium	1.320	38	9	0.19%	39	4	0.10%	36	13	0.22%	37	26	0.18%
Infectious, low to medium	0.578	17	134	2.78%	17	100	2.51%	18	154	2.61%	19	388	2.64%
Metabolic, high	0.857	30	44	0.91%	33	20	0.50%	30	48	0.81%	32	112	0.76%
Metabolic, medium	0.393	33	71	1.47%	30	48	1.20%	35	57	0.97%	33	176	1.20%
Metabolic, very low	0.138	35	144	2.98%	36	113	2.83%	33	193	3.27%	35	450	3.06%
Pregnancy, complete	0.160	21	409	8.47%	12	487	12.22%	20	539	9.14%	18	1,435	9.76%
Pregnancy, incomplete	0.997	7	167	3.46%	4	152	3.81%	8	163	2.77%	6	482	3.28%
Psychiatric, high	0.972	23	47	0.97%	28	28	0.70%	27	48	0.81%	25	123	0.84%
Psychiatric, medium	0.513	19	137	2.84%	15	123	3.09%	15	201	3.41%	15	461	3.13%
Psychiatric, medium low	0.321	2	672	13.92%	2	520	13.05%	2	853	14.47%	2	2,045	13.90%
Psychiatric, low	0.212	4	843	17.46%	5	664	16.86%	4	1,110	18.83%	4	2,517	17.09%
Pulmonart, medium to high	0.600	18	123	2.55%	19	88	2.21%	22	131	2.22%	21	342	2.33%
Pulmonary, low	0.227	11	504	10.44%	11	398	9.98%	11	629	10.67%	11	1,531	10.41%
Renal, medium to extra high	0.855	26	49	1.01%	24	37	0.93%	28	52	0.88%	26	138	0.94%
Renal, low	0.304	31	122	2.53%	29	88	2.21%	29	143	2.43%	29	353	2.40%
Skeletal, medium	0.586	9	212	4.39%	8	173	4.34%	9	264	4.48%	9	649	4.41%
Skeletal, very low to low	0.362	1	751	15.56%	1	489	12.27%	1	1,003	17.02%	1	2,243	15.25%
Skin, low to high	0.941	34	24	0.50%	31	19	0.48%	34	27	0.46%	34	70	0.48%
Skin, very low	0.132	22	361	7.48%	23	280	7.02%	23	445	7.55%	23	1,086	7.38%
Substance abuse, low	0.289	12	394	8.16%	10	319	8.00%	10	532	9.03%	10	1,245	8.46%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,387	28.73%	N/A	1,262	31.66%	N/A	1,614	27.38%	N/A	4,263	28.98%

	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 15 to 24 Female	0.822	N/A	25	8.87%	N/A	17	7.11%	N/A	33	10.38%	N/A	75	8.94%
Age 15 to 24 Male	0.514	N/A	2	0.71%	N/A	3	1.26%	N/A	4	1.26%	N/A	9	1.07%
Age 25 to 44 Female	0.989	N/A	195	69.15%	N/A	151	63.18%	N/A	194	61.01%	N/A	540	64.36%
Age 25 to 44 Male	0.770	N/A	33	11.70%	N/A	33	13.81%	N/A	53	16.67%	N/A	119	14.18%
Age 45 and Older Female	1.353	N/A	12	4.26%	N/A	22	9.21%	N/A	21	6.60%	N/A	55	6.56%
Age 45 and Older Male	1.362	N/A	15	5.32%	N/A	13	5.44%	N/A	13	4.09%	N/A	41	4.89%

Risk Adjustment Results									
		Magnolia		Molina	United		Total		
Scored Members									
Member Months		4,828		3,986	5,894		14,708		
Unadjusted Plan Factor		1.054		0.994	1.065		1.042		
Budget Neutral Plan Factor		1.011		0.954	1.022		1.000		
Unscored Members									
Member Months		282		239	318		839		
Unadjusted Plan Factor		0.990		1.002	0.979		0.989		
Budget Neutral Plan Factor		1.000		1.013	0.990		1.000		
Total Members									
Member Months		5,110		4,225	6,212		15,547		
Unadjusted Plan Factor		1.050		0.994	1.060		1.039		
Budget Neutral Plan Factor		1.011		0.957	1.020		1.000		

Exhibit 3G Mississippi Division of Medicaid Risk Adjustment Results MA Children - North Region - Q1 to Q2 2023 Prospective Risk Score June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.539	N/A	23,422	100.00%	N/A	10,177	100.00%	N/A	21,503	100.00%	N/A	55,102	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	3,268	13.95%	N/A	1,996	19.61%	N/A	3,197	14.87%	N/A	8,461	15.36%
Age 1 to 5 Female	0.068	N/A	3,364	14.36%	N/A	2,031	19.96%	N/A	3,203	14.90%	N/A	8,598	15.60%
Age 6 to 12 Male	0.047	N/A	4,239	18.10%	N/A	1,790	17.59%	N/A	3,830	17.81%	N/A	9,859	17.89%
Age 6 to 12 Female	0.049	N/A	4,460	19.04%	N/A	1,798	17.67%	N/A	3,924	18.25%	N/A	10,182	18.48%
Age 13 to 18 Male	0.000	N/A	3,969	16.95%	N/A	1,243	12.21%	N/A	3,603	16.76%	N/A	8,815	16.00%
Age 13 to 18 Female	0.297	N/A	4,122	17.60%	N/A	1,319	12.96%	N/A	3,746	17.42%	N/A	9,187	16.67%
Disease Categories													
Cancer, very high	27.677	40	0	0.00%	22	1	0.01%	32	1	0.00%	31	2	0.00%
Cancer, high	4.235	28	9	0.04%	27	4	0.04%	24	14	0.07%	26	27	0.05%
Cancer, medium	3.414	19	23	0.10%	30	4	0.04%	20	21	0.10%	21	48	0.09%
Cancer, low	0.629	39	2	0.01%	36	2	0.02%	40	3	0.01%	40	7	0.01%
Cardiovascular, very high	5.998	33	2	0.01%	39	0	0.00%	35	2	0.01%	35	4	0.01%
Cardiovascular, medium	0.760	21	90	0.38%	20	42	0.40%	23	78	0.36%	22	210	0.38%
Cardiovascular, extra low to low	0.593	3	1,169	4.99%	3	379	3.72%	3	1,129	5.25%	3	2,677	4.86%
Cerebrovascular, low	0.316	38	7	0.03%	38	2	0.02%	38	9	0.04%	39	18	0.03%
CNS, high	10.392	29	3	0.01%	31	1	0.01%	25	5	0.02%	29	9	0.02%
CNS, medium	1.647	30	15	0.06%	28	10	0.10%	30	24	0.11%	30	49	0.09%
CNS, low	0.575	9	356	1.52%	10	161	1.58%	11	341	1.59%	11	858	1.56%
DD, low to medium	2.162	23	26	0.11%	25	10	0.10%	18	40	0.19%	20	76	0.14%
Diabetes, type 2 low	2.030	5	172	0.73%	9	49	0.48%	8	140	0.65%	8	361	0.66%
Eye, very low to low	0.349	25	145	0.62%	29	43	0.42%	26	127	0.59%	28	315	0.57%
Genital, extra low	0.361	24	151	0.64%	23	66	0.65%	27	121	0.56%	24	338	0.61%
Gastro, high	5.482	20	14	0.06%	16	9	0.09%	16	20	0.09%	17	43	0.08%
Gastro, medium	1.521	22	40	0.17%	24	15	0.15%	21	44	0.20%	23	99	0.18%
Gastro, low	0.386	4	937	4.00%	4	446	4.38%	5	859	3.99%	4	2,242	4.07%
Hematological, low to extra high	0.598	18	135	0.58%	17	73	0.72%	19	141	0.66%	18	349	0.63%
AIDS, high	1.527	17	60	0.26%	18	22	0.22%	22	39	0.18%	19	121	0.22%
HIV, medium	1.204	35	4	0.02%	37	1	0.01%	39	2	0.01%	37	7	0.01%
Infectious, low to medium	0.197	27	227	0.97%	21	150	1.47%	29	210	0.98%	25	587	1.07%
Metabolic, medium to high	1.382	15	107	0.46%	12	52	0.51%	12	130	0.60%	12	289	0.52%
Metabolic, very low	0.506	10	395	1.69%	8	224	2.20%	10	408	1.90%	9	1,027	1.86%
Pregnancy, incomplete	2.708	16	45	0.19%	19	12	0.12%	17	34	0.16%	16	91	0.17%
Psychiatric, high	2.650	34	4	0.02%	32	3	0.03%	31	11	0.05%	32	18	0.03%
Psychiatric, medium	1.509	8	169	0.72%	5	97	0.95%	4	241	1.12%	6	507	0.92%
Psychiatric, medium low	1.218	1	2,737	11.69%	1	893	8.77%	1	2,505	11.65%	1	6,135	11.13%
Psychiatric, low	0.619	6	537	2.29%	6	202	1.98%	6	531	2.47%	5	1,270	2.30%
Pulmonary, high	7.062	13	23	0.10%	11	13	0.13%	9	34	0.16%	10	70	0.13%
Pulmonary, low to medium	0.502	2	2,716	11.60%	2	1,051	10.33%	2	2,436	11.33%	2	6,203	11.26%
Renal, extra high	13.306	40	0	0.00%	39	0	0.00%	41	0	0.00%	41	0	0.00%
Renal, very high	1.565	31	15	0.06%	34	3	0.03%	33	12	0.06%	33	30	0.05%
Renal, medium	0.837	37	5	0.02%	35	3	0.03%	36	10	0.05%	36	18	0.03%
Renal, low	0.295	26	167	0.71%	26	63	0.62%	28	144	0.67%	27	374	0.68%
Skeletal, medium	0.567	11	289	1.23%	13	114	1.12%	15	264	1.23%	14	667	1.21%
Skeletal, low	0.437	12	374	1.60%	15	135	1.33%	13	363	1.69%	13	872	1.58%
Skeletal, very low	0.278	7	1,177	5.03%	7	433	4.25%	7	1,141	5.31%	7	2,751	4.99%
Skin, high	1.516	36	3	0.01%	39	0	0.00%	37	2	0.01%	38	5	0.01%
Skin, very low to low	0.188	14	847	3.62%	14	338	3.32%	14	817	3.80%	15	2,002	3.63%
Substance abuse, very low to low	0.381	32	57	0.24%	33	16	0.16%	34	39	0.18%	34	112	0.20%
Population Statistics													
No Classified Disease Categories	N/A	N/A	14,427	61.60%	N/A	6,605	64.90%	N/A	13,093	60.89%	N/A	34,125	61.93%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	102	20.86%	N/A	76	17.51%	N/A	112	20.25%	N/A	290	19.65%
Age 1 to 5 Female	0.833	N/A	73	14.93%	N/A	82	18.89%	N/A	85	15.37%	N/A	240	16.26%
Age 6 to 12 Male	1.046	N/A	85	17.38%	N/A	83	19.12%	N/A	104	18.81%	N/A	272	18.43%
Age 6 to 12 Female	0.896	N/A	91	18.61%	N/A	75	17.28%	N/A	97	17.54%	N/A	263	17.82%
Age 13 to 18 Male	1.007	N/A	56	11.45%	N/A	61	14.06%	N/A	73	13.20%	N/A	190	12.87%
Age 13 to 18 Female	1.292	N/A	82	16.77%	N/A	57	13.13%	N/A	82	14.83%	N/A	221	14.97%
Risk Adjustment Results													
Magnolia			Molina			United			Total				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Unscored Members			Unscored Members			Unscored Members			Unscored Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				

Exhibit 3H Mississippi Division of Medicaid Risk Adjustment Results MA Children - Central Region - Q1 to Q2 2023 Prospective Risk Score June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Regression Intercept	0.539	N/A	28,381	100.00%	N/A	13,284	100.00%	N/A	25,184	100.00%	N/A	66,849	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	4,128	14.54%	N/A	2,731	20.56%	N/A	3,891	15.45%	N/A	10,750	16.08%
Age 1 to 5 Female	0.068	N/A	3,936	13.87%	N/A	2,676	20.14%	N/A	3,864	15.34%	N/A	10,476	15.67%
Age 6 to 12 Male	0.047	N/A	5,125	18.06%	N/A	2,298	17.30%	N/A	4,454	17.69%	N/A	11,877	17.77%
Age 6 to 12 Female	0.049	N/A	5,235	18.45%	N/A	2,295	17.28%	N/A	4,469	17.75%	N/A	11,999	17.95%
Age 13 to 18 Male	0.000	N/A	4,804	16.93%	N/A	1,653	12.44%	N/A	4,218	16.75%	N/A	10,675	15.97%
Age 13 to 18 Female	0.297	N/A	5,153	18.16%	N/A	1,631	12.28%	N/A	4,289	17.03%	N/A	11,072	16.56%
Disease Categories													
Cancer, very high	27.677	41	0	0.00%	25	1	0.01%	32	1	0.00%	33	2	0.00%
Cancer, high	4.235	29	9	0.03%	30	4	0.03%	28	10	0.04%	29	23	0.03%
Cancer, medium	3.414	17	39	0.14%	19	12	0.09%	21	18	0.10%	18	77	0.12%
Cancer, low	0.629	40	3	0.01%	39	1	0.01%	39	4	0.02%	41	8	0.01%
Cardiovascular, very high	5.998	35	1	0.00%	40	0	0.00%	35	2	0.01%	37	3	0.00%
Cardiovascular, medium	0.760	26	64	0.23%	24	38	0.29%	26	65	0.26%	27	167	0.25%
Cardiovascular, extra low to low	0.593	3	1,319	4.65%	3	471	3.55%	3	1,202	4.77%	3	2,992	4.48%
Cerebrovascular, low	0.316	39	9	0.03%	37	5	0.04%	41	6	0.02%	40	20	0.03%
CNS, high	10.392	22	7	0.02%	29	2	0.02%	29	4	0.02%	26	13	0.02%
CNS, medium	1.647	28	29	0.10%	28	13	0.10%	22	41	0.16%	25	83	0.12%
CNS, low	0.575	9	443	1.56%	9	211	1.59%	8	420	1.67%	9	1,074	1.61%
DD, low to medium	2.162	19	51	0.18%	23	14	0.11%	18	53	0.21%	19	118	0.18%
Diabetes, type 2 low	2.030	6	193	0.68%	10	59	0.44%	6	180	0.71%	6	432	0.65%
Eye, very low to low	0.349	24	169	0.60%	27	62	0.47%	27	128	0.51%	28	359	0.54%
Genital, extra low	0.361	25	150	0.53%	22	86	0.65%	24	145	0.58%	24	381	0.57%
Gastro, high	5.482	21	15	0.05%	18	8	0.06%	19	20	0.08%	20	43	0.06%
Gastro, medium	1.521	20	57	0.20%	21	21	0.16%	20	61	0.24%	21	139	0.21%
Gastro, low	0.386	4	1,134	4.00%	4	639	4.81%	4	1,109	4.40%	4	2,882	4.31%
Hematological, low to extra high	0.598	18	206	0.73%	16	98	0.74%	17	195	0.77%	17	499	0.75%
AIDS, high	1.527	30	24	0.08%	31	11	0.08%	30	24	0.10%	30	59	0.09%
HIV, medium	1.204	34	11	0.04%	35	6	0.05%	36	9	0.04%	35	26	0.04%
Infectious, low to medium	0.197	27	244	0.86%	20	207	1.56%	25	265	1.05%	23	716	1.07%
Metabolic, medium to high	1.382	14	122	0.43%	15	53	0.40%	15	119	0.47%	15	294	0.44%
Metabolic, very low	0.506	10	496	1.75%	6	312	2.35%	10	411	1.63%	10	1,219	1.82%
Pregnancy, incomplete	2.708	15	50	0.18%	17	20	0.15%	16	48	0.19%	16	118	0.18%
Psychiatric, high	2.650	31	12	0.04%	33	3	0.02%	31	13	0.05%	31	28	0.04%
Psychiatric, medium	1.509	7	233	0.82%	8	85	0.64%	7	218	0.87%	7	536	0.80%
Psychiatric, medium low	1.218	1	3,447	12.15%	1	1,092	8.22%	1	2,998	11.90%	1	7,537	11.27%
Psychiatric, low	0.619	5	680	2.40%	7	233	1.75%	5	599	2.38%	5	1,512	2.26%
Pulmonary, high	7.962	16	19	0.07%	5	25	0.19%	13	25	0.10%	12	69	0.10%
Pulmonary, low to medium	0.502	2	3,439	12.12%	2	1,440	10.84%	2	3,053	12.12%	2	7,932	11.87%
Renal, extra high	13.306	33	1	0.00%	40	0	0.00%	33	2	0.01%	34	3	0.00%
Renal, very high	1.565	36	3	0.01%	34	5	0.04%	37	5	0.02%	36	13	0.02%
Renal, medium	0.837	38	5	0.02%	36	5	0.04%	40	3	0.01%	39	13	0.02%
Renal, low	0.295	23	231	0.81%	26	89	0.67%	23	189	0.75%	22	509	0.75%
Skeletal, medium	0.567	11	423	1.49%	14	140	1.05%	11	351	1.39%	11	914	1.37%
Skeletal, low	0.437	12	469	1.65%	12	206	1.55%	12	417	1.66%	13	1,092	1.63%
Skeletal, very low	0.278	8	994	3.47%	11	407	3.06%	9	844	3.35%	8	2,235	3.34%
Skin, high	1.516	37	3	0.01%	38	1	0.01%	38	5	0.02%	38	9	0.01%
Skin, very low to low	0.188	13	902	3.18%	13	427	3.21%	14	875	3.47%	14	2,204	3.30%
Substance abuse, very low to low	0.381	32	63	0.22%	32	28	0.21%	34	67	0.27%	32	158	0.24%
Population Statistics													
No Classified Disease Categories	N/A	N/A	17,678	62.29%	N/A	8,756	65.91%	N/A	15,653	62.15%	N/A	42,087	62.96%
Unscored Members													
Risk Weight	Magnolia			Molina			United			Total			
	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	83	19.48%	N/A	76	15.90%	N/A	95	19.51%	N/A	254	18.26%
Age 1 to 5 Female	0.833	N/A	84	19.72%	N/A	77	16.11%	N/A	92	18.89%	N/A	253	18.19%
Age 6 to 12 Male	1.046	N/A	73	17.14%	N/A	96	20.08%	N/A	78	16.02%	N/A	247	17.76%
Age 6 to 12 Female	0.896	N/A	78	18.31%	N/A	76	15.90%	N/A	82	16.84%	N/A	236	16.97%
Age 13 to 18 Male	1.007	N/A	57	13.38%	N/A	69	14.44%	N/A	70	14.37%	N/A	196	14.09%
Age 13 to 18 Female	1.292	N/A	51	11.97%	N/A	84	17.57%	N/A	70	14.37%	N/A	205	14.74%
Risk Adjustment Results													
Magnolia			Molina			United			Total				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Unscored Members			Unscored Members			Unscored Members			Unscored Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				
Total Members			Total Members			Total Members			Total Members				
Member Months			Member Months			Member Months			Member Months				
Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor			Unadjusted Plan Factor				
Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor			Budget Neutral Plan Factor				

Exhibit 3I Mississippi Division of Medicaid Risk Adjustment Results MA Children - South Region - Q1 to Q2 2023 Prospective Risk Score June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
	Magnolia			Molina			United			Total			
	Disease Impact	Member	% of Member	Disease Impact	Member	% of Member	Disease Impact	Member	% of Member	Disease Impact	Member	% of Member	
Risk Weight	Rank	Months	Months	Rank	Months	Months	Rank	Months	Months	Rank	Months	Months	
Regression Intercept	0.539	N/A	29,123	100.00%	N/A	16,947	100.00%	N/A	31,587	100.00%	N/A	77,657	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	4,345	14.92%	N/A	3,549	20.94%	N/A	4,803	15.21%	N/A	12,697	16.35%
Age 1 to 5 Female	0.068	N/A	4,144	14.23%	N/A	3,366	19.86%	N/A	4,571	14.47%	N/A	12,081	15.56%
Age 6 to 12 Male	0.047	N/A	5,414	18.59%	N/A	2,886	17.03%	N/A	5,858	18.55%	N/A	14,158	18.23%
Age 6 to 12 Female	0.049	N/A	5,492	18.86%	N/A	2,928	17.28%	N/A	5,849	18.52%	N/A	14,369	18.33%
Age 13 to 18 Male	0.000	N/A	4,755	16.33%	N/A	2,126	12.54%	N/A	5,207	16.48%	N/A	12,088	15.57%
Age 13 to 18 Female	0.297	N/A	4,973	17.08%	N/A	2,092	12.34%	N/A	5,299	16.78%	N/A	12,364	15.92%
Disease Categories													
Cancer, very high	27.677	40	0	0.00%	38	0	0.00%	32	1	0.00%	34	1	0.00%
Cancer, high	4.235	27	12	0.04%	21	9	0.05%	22	22	0.07%	24	43	0.08%
Cancer, medium	3.414	20	26	0.09%	28	8	0.05%	17	39	0.12%	20	73	0.09%
Cancer, low	0.629	37	10	0.03%	38	0	0.00%	41	4	0.01%	40	14	0.02%
Cardiovascular, very high	5.998	33	4	0.01%	38	0	0.00%	35	2	0.01%	33	6	0.01%
Cardiovascular, medium	0.760	22	100	0.34%	24	47	0.28%	25	103	0.33%	23	250	0.32%
Cardiovascular, extra low to low	0.593	3	1,425	4.89%	3	598	3.53%	3	1,806	5.72%	3	3,829	4.93%
Cerebrovascular, low	0.316	39	6	0.02%	37	5	0.03%	40	11	0.03%	41	22	0.03%
CNS, high	10.392	29	4	0.01%	29	2	0.01%	30	5	0.02%	29	11	0.01%
CNS, medium	1.647	30	20	0.07%	26	21	0.12%	28	37	0.12%	28	78	0.10%
CNS, low	0.575	10	391	1.34%	10	243	1.43%	9	481	1.52%	10	1,115	1.44%
DD, low to medium	2.162	21	40	0.14%	25	16	0.09%	20	45	0.14%	21	101	0.13%
Diabetes, type 2 low	2.030	7	175	0.60%	11	65	0.38%	7	206	0.65%	7	446	0.57%
Eye, very low to low	0.349	24	184	0.63%	27	88	0.52%	27	179	0.57%	27	451	0.58%
Genital, extra low	0.361	26	157	0.54%	20	108	0.64%	24	223	0.71%	26	488	0.63%
Gastro, high	5.482	16	28	0.10%	15	18	0.11%	21	17	0.05%	16	63	0.08%
Gastro, medium	1.521	18	78	0.27%	22	25	0.15%	19	70	0.22%	19	173	0.22%
Gastro, low	0.386	4	1,417	4.87%	4	899	5.30%	5	1,629	5.16%	4	3,945	5.08%
Hematological, low to extra high	0.598	19	198	0.68%	17	125	0.74%	18	204	0.65%	18	527	0.68%
HIV, high	1.527	28	29	0.10%	30	12	0.07%	31	32	0.10%	30	73	0.09%
AIDS, medium	1.204	35	6	0.02%	35	4	0.02%	36	6	0.03%	35	18	0.02%
Infectious, low to medium	0.197	25	302	1.04%	18	265	1.56%	26	351	1.11%	25	918	1.18%
Metabolic, medium to high	1.382	12	157	0.54%	9	114	0.67%	11	188	0.60%	11	459	0.59%
Metabolic, very low	0.506	13	423	1.45%	7	357	2.11%	10	544	1.72%	9	1,324	1.70%
Pregnancy, incomplete	2.708	17	51	0.18%	19	18	0.11%	16	55	0.17%	17	124	0.16%
Psychiatric, high	2.650	32	10	0.03%	32	4	0.02%	29	21	0.07%	31	35	0.05%
Psychiatric, medium	1.509	5	320	1.10%	5	161	0.95%	4	444	1.41%	5	925	1.19%
Psychiatric, medium low	1.218	1	3,795	13.03%	1	1,612	9.51%	1	4,345	13.76%	1	9,752	12.56%
Psychiatric, low	0.619	6	607	2.08%	6	306	1.81%	6	832	2.63%	6	1,745	2.25%
Pulmonary, high	7.062	15	26	0.09%	13	18	0.11%	15	22	0.07%	15	66	0.08%
Pulmonary, low to medium	0.502	2	3,219	11.05%	2	1,621	9.57%	2	3,419	10.82%	2	8,259	10.64%
Renal, extra high	13.306	40	0	0.00%	38	0	0.00%	34	1	0.00%	39	1	0.00%
Renal, very high	1.565	34	5	0.02%	34	4	0.02%	38	3	0.01%	37	12	0.02%
Renal, medium	0.837	36	8	0.03%	36	4	0.02%	37	8	0.03%	38	20	0.03%
Renal, low	0.295	23	241	0.83%	23	127	0.75%	23	287	0.91%	22	655	0.84%
Skeletal, medium	0.567	11	391	1.34%	16	171	1.01%	12	437	1.38%	13	1,299	1.67%
Skeletal, low	0.437	14	471	1.62%	14	273	1.61%	14	543	1.72%	14	1,287	1.66%
Skeletal, very low	0.278	8	1,110	3.81%	8	585	3.45%	8	1,328	4.20%	8	3,023	3.89%
Skin, high	1.516	38	3	0.01%	31	7	0.04%	39	3	0.01%	36	13	0.02%
Skin, very low to low	0.188	9	1,201	4.12%	12	692	4.08%	13	1,303	4.13%	12	3,196	4.12%
Substance abuse, very low to low	0.381	31	74	0.25%	33	24	0.14%	33	63	0.20%	32	161	0.21%
Population Statistics													
No Classified Disease Categories	N/A	N/A	17,899	61.46%	N/A	11,051	65.21%	N/A	18,926	59.92%	N/A	47,876	61.65%
Unscored Members													
	Magnolia			Molina			United			Total			
	Disease Impact	Member	% of Member	Disease Impact	Member	% of Member	Disease Impact	Member	% of Member	Disease Impact	Member	% of Member	
Risk Weight	Rank	Months	Months	Rank	Months	Months	Rank	Months	Months	Rank	Months	Months	
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	91	17.33%	N/A	98	18.77%	N/A	123	19.40%	N/A	312	18.56%
Age 1 to 5 Female	0.833	N/A	95	18.10%	N/A	96	18.39%	N/A	114	17.98%	N/A	305	18.14%
Age 6 to 12 Male	1.046	N/A	103	19.62%	N/A	91	17.43%	N/A	103	16.25%	N/A	297	17.67%
Age 6 to 12 Female	0.896	N/A	99	18.86%	N/A	102	19.54%	N/A	122	19.24%	N/A	323	19.31%
Age 13 to 18 Male	1.007	N/A	67	12.76%	N/A	59	11.30%	N/A	84	13.25%	N/A	210	12.40%
Age 13 to 18 Female	1.292	N/A	70	13.33%	N/A	76	14.56%	N/A	88	13.88%	N/A	234	13.92%
Risk Adjustment Results													
	Magnolia			Molina			United			Total			
Member Months	29,123			16,947			31,587			77,657			
Unadjusted Plan Factor	1.048			0.978			1.076			1.044			
Budget Neutral Plan Factor	1.004			0.937			1.031			1.000			
Unscored Members													
Member Months	525			522			634			1,681			
Unadjusted Plan Factor	0.991			0.991			0.990			0.991			
Budget Neutral Plan Factor	1.000			1.001			0.999			1.000			
Total Members													
Member Months	29,648			17,469			32,221			79,338			
Unadjusted Plan Factor	1.047			0.979			1.075			1.043			
Budget Neutral Plan Factor	1.004			0.938			1.030			1.000			

Exhibit 3J Mississippi Division of Medicaid Risk Adjustment Results Quasi-CHIP - North Region - Q1 to Q2 2023 Prospective Risk Scores June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept													
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	755	26.59%	N/A	328	27.33%	N/A	766	25.80%	N/A	1,849	26.38%
Age 6 to 12 Female	0.049	N/A	722	25.43%	N/A	340	28.33%	N/A	765	25.77%	N/A	1,827	26.07%
Age 13 to 18 Male	0.000	N/A	681	23.99%	N/A	256	21.33%	N/A	747	25.16%	N/A	1,684	24.03%
Age 13 to 18 Female	0.297	N/A	681	23.99%	N/A	276	23.00%	N/A	691	23.27%	N/A	1,648	23.52%
Disease Categories													
Cancer, very high	27.677	38	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Cancer, high	4.235	28	1	0.04%	20	1	0.08%	27	2	0.07%	27	4	0.06%
Cancer, medium	3.414	25	2	0.07%	21	1	0.08%	19	4	0.13%	23	7	0.10%
Cancer, low	0.629	38	0	0.00%	33	0	0.00%	38	0	0.00%	40	0	0.00%
Cardiovascular, very high	5.998	38	0	0.00%	33	0	0.00%	30	1	0.03%	32	1	0.01%
Cardiovascular, medium	0.760	17	17	0.60%	27	3	0.25%	22	17	0.57%	22	37	0.53%
Cardiovascular, extra low to low	0.593	3	141	4.97%	3	65	5.42%	3	166	5.59%	3	372	5.31%
Cerebrovascular, low	0.316	38	0	0.00%	33	0	0.00%	37	1	0.03%	39	1	0.01%
CNS, high	10.392	22	1	0.04%	13	1	0.08%	23	1	0.03%	21	3	0.04%
CNS, medium	1.647	35	1	0.04%	22	2	0.17%	25	6	0.20%	29	9	0.13%
CNS, low	0.575	10	44	1.55%	12	21	1.75%	15	37	1.25%	12	102	1.46%
DD, low to medium	2.162	20	5	0.18%	19	2	0.17%	16	9	0.30%	19	16	0.22%
Diabetes, type 2 low	2.030	4	23	0.81%	4	12	1.00%	6	25	0.84%	5	60	0.86%
Eye, very low to low	0.349	26	19	0.67%	28	5	0.42%	29	20	0.67%	28	44	0.63%
Genital, extra low	0.361	29	10	0.35%	25	7	0.58%	31	16	0.54%	30	33	0.47%
Gastro, high	5.482	19	2	0.07%	8	3	0.25%	14	4	0.13%	14	9	0.13%
Gastro, medium	1.521	14	11	0.39%	23	2	0.17%	17	10	0.34%	18	23	0.33%
Gastro, low	0.386	8	85	2.99%	9	40	3.33%	9	96	3.23%	8	221	3.15%
Hematological, low to extra high	0.598	27	11	0.39%	30	2	0.17%	24	17	0.57%	26	30	0.43%
AIDS, high	1.527	18	8	0.28%	33	0	0.00%	26	6	0.20%	24	14	0.20%
HIV, medium	1.204	37	1	0.04%	33	0	0.00%	38	0	0.00%	38	1	0.01%
Infectious, low to medium	0.197	33	9	0.32%	32	3	0.25%	36	9	0.30%	36	21	0.30%
Metabolic, medium to high	1.382	11	18	0.63%	14	7	0.58%	8	30	1.01%	9	55	0.78%
Metabolic, very low	0.506	21	21	0.74%	17	15	1.25%	20	27	0.91%	20	63	0.90%
Pregnancy, incomplete	2.708	23	3	0.11%	24	1	0.08%	13	9	0.30%	17	13	0.19%
Psychiatric, high	2.650	31	1	0.04%	33	0	0.00%	33	1	0.03%	33	2	0.03%
Psychiatric, medium	1.509	7	24	0.85%	5	14	1.17%	5	36	1.21%	6	74	1.06%
Psychiatric, medium low	1.218	1	363	12.79%	1	166	13.83%	1	438	14.75%	1	967	13.80%
Psychiatric, low	0.619	6	72	2.54%	6	29	2.42%	4	101	3.40%	4	202	2.88%
Pulmonary, high	7.062	15	2	0.07%	10	2	0.17%	18	2	0.07%	15	6	0.09%
Pulmonary, low to medium	0.502	2	303	10.67%	2	105	8.75%	2	320	10.78%	2	728	10.39%
Renal, extra high	13.306	16	1	0.04%	11	1	0.08%	21	1	0.03%	16	3	0.04%
Renal, very high	1.565	36	1	0.04%	29	1	0.08%	32	2	0.07%	31	4	0.06%
Renal, medium	0.837	34	2	0.07%	33	0	0.00%	34	3	0.10%	35	5	0.07%
Renal, low	0.295	24	27	0.95%	26	8	0.67%	28	28	0.94%	25	63	0.90%
Skeletal, medium	0.567	9	46	1.62%	16	16	1.33%	11	54	1.82%	11	116	1.66%
Skeletal, low	0.437	12	54	1.90%	15	22	1.83%	10	75	2.53%	10	151	2.15%
Skeletal, very low	0.278	5	165	5.81%	7	64	5.33%	7	170	5.73%	7	399	5.69%
Skin, high	1.516	30	2	0.07%	33	0	0.00%	38	0	0.00%	37	2	0.03%
Skin, very low to low	0.188	13	112	3.95%	18	38	3.17%	12	136	4.58%	13	286	4.08%
Substance abuse, very low to low	0.381	32	5	0.18%	31	2	0.17%	35	5	0.17%	34	12	0.17%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,751	61.68%	N/A	763	63.58%	N/A	1,719	57.90%	N/A	4,233	60.40%
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male	0.953	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.833	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	1.046	N/A	13	30.95%	N/A	10	25.64%	N/A	20	33.90%	N/A	43	30.71%
Age 6 to 12 Female	0.896	N/A	13	30.95%	N/A	16	41.03%	N/A	11	18.64%	N/A	40	28.57%
Age 13 to 18 Male	1.007	N/A	10	23.81%	N/A	7	17.95%	N/A	15	25.42%	N/A	32	22.86%
Age 13 to 18 Female	1.292	N/A	6	14.29%	N/A	6	15.38%	N/A	13	22.03%	N/A	25	17.86%
Risk Adjustment Results													
Scored Members				Unscored Members				Total					
Member Months				Member Months				Member Months					
Unadjusted Plan Factor				Unadjusted Plan Factor				Unadjusted Plan Factor					
Budget Neutral Plan Factor				Budget Neutral Plan Factor				Budget Neutral Plan Factor					
Unscored Members				Total									
Member Months				Member Months									
Unadjusted Plan Factor				Unadjusted Plan Factor									
Budget Neutral Plan Factor				Budget Neutral Plan Factor									
Total Members				Total									
Member Months				Member Months									
Unadjusted Plan Factor				Unadjusted Plan Factor									
Budget Neutral Plan Factor				Budget Neutral Plan Factor									

Exhibit 3K													
Mississippi Division of Medicaid													
Risk Adjustment Results													
Quasi-CHIP - Central Region - Q1 to Q2 2023 Prospective Risk Scores													
June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period													
Scored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept													
0.539													
N/A													
3,372													
100.00%													
N/A													
1,302													
100.00%													
N/A													
3,255													
100.00%													
N/A													
7,929													
100.00%													
Demographic Categories													
Age 1 to 5 Male													
0.133													
N/A													
0													
0.00%													
N/A													
0													
0.00%													
Age 1 to 5 Female													
0.068													
N/A													
0													
0.00%													
Age 6 to 12 Male													
0.047													
N/A													
829													
24.58%													
N/A													
334													
25.65%													
N/A													
828													
25.44%													
N/A													
1,991													
25.11%													
Age 6 to 12 Female													
0.049													
N/A													
818													
24.26%													
N/A													
340													
26.11%													
N/A													
779													
23.93%													
N/A													
1,937													
24.43%													
Age 13 to 18 Male													
0.000													
N/A													
864													
25.62%													
N/A													
299													
22.96%													
N/A													
825													
25.35%													
N/A													
1,988													
25.07%													
Age 13 to 18 Female													
0.297													
N/A													
861													
25.53%													
N/A													
329													
25.27%													
N/A													
823													
25.28%													
N/A													
2,013													
25.39%													
Disease Categories													
Cancer, very high													
27.677													
33													
0													
0.00%													
N/A													
0													
0.00%													
Cancer, high													
4.235													
27													
1													
0.03%													
19													
1													
0.06%													
22													
2													
0.06%													
23													
4													
0.05%													
Cancer, medium													
3.414													
23													
2													
0.06%													
9													
4													
0.31%													
14													
6													
0.18%													
16													
12													
0.15%													
Cancer, low													
0.629													
33													
0													
0.00%													
31													
0													
0.00%													
39													
0													
0.00%													
Cardiovascular, very high													
5.998													
33													
0													
0.00%													
31													
0													
0.00%													
28													
1													
0.03%													
33													
1													
0.01%													
Cardiovascular, medium													
0.760													
26													
6													
0.18%													
21													
4													
0.31%													
25													
10													
0.31%													
26													
20													
0.25%													
Cardiovascular, extra low to low													
0.593													
3													
164													
4.86%													
3													
57													
4.38%													
3													
170													
5.22%													
3													
391													
4.93%													
Cerebrovascular, low													
0.316													
33													
0													
0.00%													
30													
1													
0.08%													
38													
1													
0.03%													
38													
2													
0.03%													
CNS, high													
10.392													
33													
0													
0.00%													
31													
0													
0.00%													
21													
1													
0.03%													
28													
1													
0.01%													
CNS, medium													
1.647													
18													
6													
0.18%													
31													
0													
0.00%													
23													
5													
0.15%													
22													
11													
0.14%													
CNS, low													
0.575													
12													
35													
1.04%													
17													
12													
0.92%													
13													
46													
1.41%													
22													
13													
93													
1.17%													
DD, low to medium													
2.162													
13													
9													
0.27%													
25													
0.08%													
17													
15													
0.19%													
Diabetes, type 2 low													
2.030													
4													
4													
0.77%													
26													
1													
0.08%													
4													
30													
0.92%													
26													
21													
0.65%													
25													
45													
0.57%													
Genital, extra low													
0.361													
25													
15													
0.44%													
28													
3													
0.23%													
33													
8													
0.25%													
30													
26													
0.33%													
Gastro, high													
5.482													
24													
1													
0.03%													
31													
0													
0.00%													
19													
2													
0.06%													
24													
3													
0.04%													
Gastro, medium													
1.521													
19													
6													
0.18%													
14													
5													
0.38%													
32													
2													
0.06%													
20													
13													
0.16%													
Gastro, low													
0.386													
6													
95													
2.82%													
8													
46													
3.53%													
9													
81													
2.49%													
8													
222													
2.80%													
Hematological, low to extra high													
0.598													
17													
17													
0.50%													
18													
11													
0.84%													
18													
52													
0.66%													
AIDS, high													
1.527													
28													
2													
0.06%													
31													
0													
0.00%													
27													
4													
0.12%													
31													
6													
0.08%													
HIV, medium													
1.204													
33													
0													
0.00%													
31													
0													
0.00%													
36													
1													
0.03%													
37													
1													
0.01%													
Infectious, low to medium													
0.197													
32													
5													
0.15%													
29													
3													
0.23%													
37													
6													
0.18%													
34													
14													
0.18%													
Metabolic, medium to high													
1.382													
15													
12													
0.36%													
12													
8													
0.61%													
10													
22													
0.68%													
11													
42													
0.53%													
Metabolic, very low													
0.506													
16													
22													
0.65%													
22													
6													
0.46%													
18													
24													
0.74%													
19													
52													
0.66%													
Pregnancy, incomplete													
2.708													
14													
7													
0.21%													
7													
7													
0.54%													
15													
2													
0.22%													
12													
21													
0.26%													
Psychiatric, high													
2.650													
29													
1													
0.03%													
24													
1													
0.08%													
29													
4													
0.05%													
Psychiatric, medium													
1.509													
8													
22													
0.65%													
10													
9													
0.69%													
5													
37													
1.14%													
6													
68													
0.86%													
Psychiatric, medium low													
1.218													
1													
467													
13.85%													
1													
170													
13.06%													
1													
460													
14.13%													
1													
1,097													
13.84%													
Psychiatric, low													
0.619													
5													
81													
2.40%													
5													
32													
2.46%													
6													
90													
2.76%													
5													
203													
2.56%													
Pulmonary, high													
7.062													
21													
1													
0.03%													
16													
1													
0.08%													
11													
4													
0.12%													
15													
6													
0.08%													
Pulmonary, low to medium													
0.502													
2													
397													
11.77%													
2													
128													
9.83%													
2													
375													
11.52%													
2													
900													
11.35%													
Renal, extra high													
13.306													
33													
0													
0.00%													
31													
0													
0.00%													
39													
0													
0.00%													
Renal, very high													
1.565													
31													
1													
0.03%													
20													
2													
0.15%													
30													
3													
0.09%													
29													
6													
0.08%													
Renal, medium													
0.837													
33													
0													
0.00%													
31													
0													
0.00%													
34													
2													
0.06%													
35													
2													
0.03%													
Renal, low													
0.295													
20													
25													
0.74%													
23													
10													
0.77%													
24													
27													
0.83%													
21													
62													
0.78%													
Skeletal, medium													
0.567													
9													
55													
1.63%													
11													
23													
1.77%													
7													
58													
1.78%													
9													
136													
1.72%													
Skeletal, low													
0.437													
10													
59													
1.75%													
13													
20													
1.54%													
12													
62													
1.90%													
10													
141													
1.78%													
Skeletal, very low													
0.278													
7													
124													
3.68%													
6													
69													
5.30%													
8													
117													
3.59%													
7													
310													
3.91%													
Skin, high													
1.516													
33													
0													
0.00%													
31													
0													
0.00%													
35													
1													
0.01%													
Skin, very low to low													
0.188													
11													
116													
3.44%													
15													
39													
3.00%													
16													
88													
2.70%													
14													
243													
3.06%													
Substance abuse, very low to low													
0.381													
30													
6													
0.18%													
27													
3													
0.23%													
31													
12													
0.37%													
32													
21													
0.26%													
Population Statistics													
No Classified Disease Categories													
N/A													
N/A													
2,092													
62.04%													
N/A													
834													
64.06%													
N/A													
2,033													
62.46%													
N/A													
4,959													
62.54%													
Unscored Members													
		Magnolia			Molina			United			Total		
	Risk Weight	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Demographic Categories													
Age 1 to 5 Male													
0.953													
N/A													
0													
0.00%													
N/A													
0													
0.00%													
Age 1 to 5 Female													
0.833													
N/A													
0													
0.00%													
Age 6 to 12 Male													
1.046													
N/A													
14													
28.00%													
N/A													
11													
19.30%													
N/A													
12													
27.91%													
N/A													
36													
24.00%													
Age 6 to 12 Female													
0.896													
N/A													
17													
34.00%													
N/A													
22													
38.60%													
N/A													
12													
27.91%													
N/A													
51													
34.00%													
Age 13 to 18 Male													
1.007													
N/A													
9													
18.00%													
N/A													
9													
15.79%													
N/A													
13													
30.23%													
N/A													
31													
20.67%													
Age 13 to 18 Female													
1.292													
N/A													
10													
20.00%													
N/A													
15													
26.32%													
N/A													
7													
16.28%													
N/A													
32													
21.33%													
Risk Adjustment Results													
		Magnolia			Molina			United			Total		
Scored Members													
Member Months													
3,372													
1,302													
3,255													
7,929													
Unadjusted Plan Factor													
1.032													
1.041													
1.076													
1.052													
Budget Neutral Plan Factor													
0.982													
0.990													
1.023													
1.000													
Unscored Members													
Member Months													
50													
57													
43													
150													
Unadjusted Plan Factor													
1.037													
1.047													
1.032													
1.039</													

Exhibit 3L

Mississippi Division of Medicaid

Risk Adjustment Results

Quasi-CHIP - South Region - Q1 to Q2 2023 Prospective Risk Scores

June 2021 to May 2022 Diagnosis Period - September 2022 Snapshot Period

	Risk Weight	Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Regression Intercept	0.539	N/A	2,733	100.00%	N/A	1,409	100.00%	N/A	3,447	100.00%	N/A	7,589	100.00%
Demographic Categories													
Age 1 to 5 Male	0.133	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.068	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	0.047	N/A	716	26.20%	N/A	362	27.11%	N/A	817	23.70%	N/A	1,915	25.23%
Age 6 to 12 Female	0.049	N/A	613	22.43%	N/A	375	26.81%	N/A	835	24.22%	N/A	1,823	24.02%
Age 13 to 18 Male	0.000	N/A	689	25.21%	N/A	314	22.29%	N/A	923	26.78%	N/A	1,926	25.38%
Age 13 to 18 Female	0.297	N/A	715	26.16%	N/A	338	23.99%	N/A	872	25.30%	N/A	1,925	25.37%
Disease Categories													
Cancer, very high	27.677	34	0	0.00%	30	0	0.00%	13	1	0.03%	18	1	0.01%
Cancer, high	4.235	25	1	0.04%	30	0	0.00%	23	2	0.06%	29	3	0.04%
Cancer, medium	3.414	27	1	0.04%	30	0	0.00%	18	4	0.12%	24	5	0.07%
Cancer, low	0.629	34	0	0.00%	26	1	0.07%	36	1	0.03%	38	2	0.03%
Cardiovascular, very high	5.998	34	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Cardiovascular, medium	0.760	26	5	0.18%	20	6	0.43%	24	11	0.32%	25	22	0.29%
Cardiovascular, extra low to low	0.593	3	157	5.74%	3	70	4.97%	3	257	7.46%	3	484	6.38%
Cerebrovascular, low	0.316	33	3	0.11%	29	1	0.07%	37	0	0.00%	37	4	0.05%
CNS, high	10.392	34	0	0.00%	11	1	0.07%	37	0	0.00%	30	1	0.01%
CNS, medium	1.847	23	3	0.11%	19	3	0.21%	25	5	0.15%	23	11	0.14%
CNS, low	0.575	12	34	1.24%	15	12	0.85%	11	54	1.57%	11	100	1.32%
DD, low to medium	2.162	17	5	0.18%	13	4	0.28%	17	8	0.23%	14	17	0.22%
Diabetes, type 2 low	2.030	5	25	0.91%	7	7	0.50%	6	32	0.93%	6	64	0.84%
Eye, very low to low	0.349	20	18	0.66%	25	2	0.14%	28	19	0.55%	27	39	0.51%
Genital, extra low	0.361	22	14	0.51%	23	8	0.57%	27	19	0.55%	26	41	0.54%
Gastro, high	5.482	21	1	0.04%	30	0	0.00%	14	5	0.15%	16	6	0.08%
Gastro, medium	1.521	15	9	0.33%	16	4	0.28%	19	8	0.23%	17	21	0.28%
Gastro, low	0.386	7	94	3.44%	6	42	2.98%	7	151	4.38%	7	287	3.78%
Hematological, low to extra high	0.598	18	12	0.44%	21	7	0.50%	22	15	0.44%	21	34	0.45%
AIDS, high	1.527	30	1	0.04%	24	1	0.07%	34	1	0.03%	33	3	0.04%
HIV, medium	1.204	34	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Infectious, low to medium	0.197	29	10	0.37%	27	3	0.21%	31	16	0.46%	32	29	0.38%
Metabolic, medium to high	1.382	11	15	0.55%	22	3	0.21%	15	19	0.55%	13	37	0.49%
Metabolic, very low	0.506	16	22	0.80%	18	10	0.71%	16	35	1.02%	15	67	0.88%
Pregnancy, incomplete	2.708	14	6	0.22%	30	0	0.00%	29	2	0.06%	19	8	0.11%
Psychiatric, high	2.650	28	1	0.04%	30	0	0.00%	20	4	0.12%	28	5	0.07%
Psychiatric, medium	1.509	4	38	1.39%	5	19	1.35%	4	60	1.74%	4	117	1.54%
Psychiatric, medium low	1.218	1	481	17.60%	1	250	17.74%	1	670	19.44%	1	1,401	18.46%
Psychiatric, low	0.619	6	70	2.56%	4	48	3.41%	5	117	3.39%	5	235	3.10%
Pulmonary, high	7.062	19	1	0.04%	14	1	0.07%	26	1	0.03%	20	3	0.04%
Pulmonary, low to medium	0.502	2	254	9.29%	2	106	7.52%	2	354	10.27%	2	714	9.41%
Renal, extra high	13.306	34	0	0.00%	30	0	0.00%	37	0	0.00%	39	0	0.00%
Renal, very high	1.565	34	0	0.00%	30	0	0.00%	33	1	0.03%	36	1	0.01%
Renal, medium	0.837	34	0	0.00%	30	0	0.00%	32	3	0.09%	35	3	0.04%
Renal, low	0.295	24	16	0.59%	17	19	1.35%	21	34	0.99%	22	69	0.91%
Skeletal, medium	0.567	8	50	1.83%	9	23	1.63%	9	68	1.97%	9	141	1.86%
Skeletal, low	0.437	10	51	1.87%	10	26	1.85%	10	84	2.44%	10	161	2.12%
Skeletal, very low	0.278	9	100	3.66%	8	49	3.48%	8	165	4.79%	8	314	4.14%
Skin, high	1.516	31	1	0.04%	30	0	0.00%	35	1	0.03%	34	2	0.03%
Skin, very low to low	0.188	13	96	3.51%	12	48	3.41%	12	156	4.53%	12	300	3.95%
Substance abuse, very low to low	0.381	32	3	0.11%	28	1	0.07%	30	13	0.38%	31	17	0.22%
Population Statistics													
No Classified Disease Categories	N/A	N/A	1,671	61.14%	N/A	870	61.75%	N/A	1,936	56.16%	N/A	4,477	58.99%

Demographic Categories	Risk Weight	Unscored Members											
		Magnolia			Molina			United			Total		
		Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months	Disease Impact Rank	Member Months	% of Member Months
Age 1 to 5 Male	0.953	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 1 to 5 Female	0.833	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%	N/A	0	0.00%
Age 6 to 12 Male	1.046	N/A	13	35.14%	N/A	14	28.57%	N/A	15	28.85%	N/A	42	30.43%
Age 6 to 12 Female	0.896	N/A	10	27.03%	N/A	13	26.53%	N/A	23	44.23%	N/A	46	33.33%
Age 13 to 18 Male	1.007	N/A	7	18.92%	N/A	11	22.45%	N/A	10	19.23%	N/A	28	20.29%
Age 13 to 18 Female	1.292	N/A	7	18.92%	N/A	11	22.45%	N/A	4	7.69%	N/A	22	15.94%

Risk Adjustment Results				
		Magnolia	Molina	United
Scored Members				
Member Months		2,733	1,409	3,447
Unadjusted Plan Factor		1.096	1.069	1.175
Budget Neutral Plan Factor		0.973	0.949	1.043
Unscored Members				
Member Months		37	49	52
Unadjusted Plan Factor		1.045	1.053	0.991
Budget Neutral Plan Factor		1.017	1.025	0.965
Total Members				
Member Months		2,770	1,458	3,499
Unadjusted Plan Factor		1.095	1.070	1.172
Budget Neutral Plan Factor		0.973	0.951	1.042

Exhibit 3M
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
September 2022 Snapshot Period

North Region									
Description		Risk Weight	Magnolia		Molina		United		Total
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	0.862	225	16.97%	107	42.29%	150	31.85%	482
Money Code 3	Receiving IV-E Assistance	0.743	148	11.16%	60	23.72%	63	13.38%	271
Money Code 4	Receiving IV-E Subadoption Ast	0.064	889	67.04%	76	30.04%	215	45.65%	1,180
Other	All other Money Codes	0.000	64	4.83%	10	3.95%	43	9.13%	117
Unadjusted Plan Factor			0.729		1.017		0.860		0.795
Member Months			1,326		253		471		2,050
Budget Neutral Plan Factor			0.917		1.280		1.082		1.000

Central Region									
Description		Risk Weight	Magnolia		Molina		United		Total
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	0.862	350	25.89%	135	47.20%	150	37.31%	635
Money Code 3	Receiving IV-E Assistance	0.743	186	13.76%	73	25.52%	70	17.41%	329
Money Code 4	Receiving IV-E Subadoption Ast	0.064	766	56.66%	71	24.83%	151	37.56%	988
Other	All other Money Codes	0.000	50	3.70%	7	2.45%	31	7.71%	88
Unadjusted Plan Factor			0.819		1.070		0.932		0.876
Member Months			1,352		286		402		2,040
Budget Neutral Plan Factor			0.934		1.221		1.064		1.000

South Region									
Description		Risk Weight	Magnolia		Molina		United		Total
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%	
Money Code 2	CWS Foster Care	0.862	302	15.75%	169	40.33%	201	31.36%	672
Money Code 3	Receiving IV-E Assistance	0.743	252	13.14%	112	26.73%	107	16.69%	471
Money Code 4	Receiving IV-E Subadoption Ast	0.064	1,266	66.01%	130	31.03%	280	43.68%	1,676
Other	All other Money Codes	0.000	98	5.11%	8	1.91%	53	8.27%	159
Unadjusted Plan Factor			0.733		1.023		0.879		0.805
Member Months			1,918		419		641		2,978
Budget Neutral Plan Factor			0.910		1.271		1.092		1.000

Exhibit 4A Mississippi Division of Medicaid Custom Risk Adjustment Weights Effective October 2018 Non-Newborn SSI / Disabled		
	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.077	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 1 to 4	0.087	1.113
Age 5 to 14 Female	0.089	0.660
Age 5 to 14 Male	0.067	0.572
Age 15 to 24 Female	0.108	0.746
Age 15 to 24 Male	-	0.523
Age 25 to 44 Female	0.206	1.154
Age 25 to 44 Male	0.053	0.821
Age 45 to 64 Female	0.109	1.314
Age 45 to 64 Male	0.111	1.185
Age 65 and Older Male and Female	0.006	1.046
Duration Categories		
Diagnosis Period Duration, 6 to 7 Months	0.323	N/A
Diagnosis Period Duration, 8 to 9 Months	0.159	N/A
Diagnosis Period Duration, 10 to 12 Months	-	N/A
Disease Categories		
Cancer, very high	4.640	N/A
Cancer, high	1.263	N/A
Cancer, medium	0.649	N/A
Cancer, low	0.148	N/A
Cardiovascular, very high	1.401	N/A
Cardiovascular, medium	0.570	N/A
Cardiovascular, medium - child	0.188	N/A
Cardiovascular, low	0.192	N/A
Cardiovascular, extra low	0.106	N/A
Cerebrovascular, low	0.153	N/A
CNS, medium to high	0.589	N/A
CNS, high - child	1.358	N/A
CNS, low	0.218	N/A
DD, low to medium	0.153	N/A
Diabetes, type 1 high	1.267	N/A
Diabetes, type 1 medium	0.683	N/A
Diabetes, type 2 medium	0.416	N/A
Diabetes, type 2 low	0.177	N/A
Eye, low	0.142	N/A
Eye, very low	0.107	N/A
Genital, extra low	0.070	N/A
Gastro, medium to high	0.523	N/A
Gastro, high - child	1.264	N/A
Gastro, low	0.127	N/A
Hematological, very high to extra high	1.633	N/A
Hematological, medium	0.705	N/A
Hematological, low	0.491	N/A
AIDS, high	1.699	N/A
HIV, medium	1.210	N/A
Infectious, low to medium	0.435	N/A
Metabolic, high	1.035	N/A
Metabolic, high - child	0.158	N/A
Metabolic, medium	0.396	N/A
Metabolic, very low	0.138	N/A
Pregnancy, incomplete	0.395	N/A
Psychiatric, high	0.677	N/A
Psychiatric, medium low to medium	0.264	N/A
Psychiatric, low	0.167	N/A
Pulmonary, very high	1.167	N/A
Pulmonary, very high - child	1.465	N/A
Pulmonary, high	0.593	N/A
Pulmonary, medium	0.475	N/A
Pulmonary, low	0.178	N/A
Renal, extra high	3.856	N/A
Renal, very high	0.489	N/A
Renal, low to medium	0.132	N/A
Skeletal, medium	0.308	N/A
Skeletal, very low to low	0.149	N/A
Skin, low - high	0.254	N/A
Skin, very low	0.090	N/A
Substance abuse, very low to low	0.153	N/A

Exhibit 4B
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
Non-Newborn SSI / Disabled

CDPS + Rx Abbreviation	CDPS + Rx Description	MississippiCAN Risk Weight Category	MississippiCAN Risk Weight
CANVH	Cancer, very high	Cancer, very high	4.640
CANH	Cancer, high	Cancer, high	1.263
CANM	Cancer, medium	Cancer, medium	0.649
CANL	Cancer, low	Cancer, low	0.148
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.401
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.570
CCARM	Cardiovascular, medium - child	Cardiovascular, medium - child	0.188
CARL	Cardiovascular, low	Cardiovascular, low	0.192
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.106
CERL	Cerebrovascular, low	Cerebrovascular, low	0.153
CNSH	CNS, high	CNS, medium to high	0.589
CCNSH	CNS, high - child	CNS, high - child	1.358
CNSM	CNS, medium	CNS, medium to high	0.589
CNSL	CNS, low	CNS, low	0.218
DDM	DD, medium	DD, low to medium	0.153
DDL	DD, low	DD, low to medium	0.153
DIA1H	Diabetes, type 1 high	Diabetes, type 1 high	1.267
DIA1M	Diabetes, type 1 medium	Diabetes, type 1 medium	0.683
DIA2M	Diabetes, type 2 medium	Diabetes, type 2 medium	0.416
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	0.177
EYEL	Eye, low	Eye, low	0.142
EYEVH	Eye, very low	Eye, very low	0.107
GENEL	Genital, extra low	Genital, extra low	0.070
GIH	Gastro, high	Gastro, medium to high	0.523
CGIH	Gastro, high - child	Gastro, high - child	1.264
GIM	Gastro, medium	Gastro, medium to high	0.523
GIL	Gastro, low	Gastro, low	0.127
HEMEH	Hematological, extra high	Hematological, very high to extra high	1.633
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, very high to extra high	1.633
HEMM	Hematological, medium	Hematological, medium	0.705
HEML	Hematological, low	Hematological, low	0.491
AIDSH	AIDS, high	AIDS, high	1.699
INFH	Infectious, high	AIDS, high	1.699
HIVM	HIV, medium	HIV, medium	1.210
INFM	Infectious, medium	Infectious, low to medium	0.435
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.435
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	1.035
CMETH	Metabolic, high - child	Metabolic, high - child	0.158
METM	Metabolic, medium	Metabolic, medium	0.396
METVL	Metabolic, very low	Metabolic, very low	0.138
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.395
PSYH	Psychiatric, high	Psychiatric, high	0.677
PSYM	Psychiatric, medium	Psychiatric, medium low to medium	0.264
PSYML	Psychiatric, medium low	Psychiatric, medium low to medium	0.264
PSYL	Psychiatric, low	Psychiatric, low	0.167
PULVH	Pulmonary, very high	Pulmonary, very high	1.167
CPULVH	Pulmonary, very high - child	Pulmonary, very high - child	1.465
PULH	Pulmonary, high	Pulmonary, high	0.593
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, medium	0.475
PULL	Pulmonary, low	Pulmonary, low	0.178
RENEH	Renal, extra high	Renal, extra high	3.856
RENVH	Renal, very high	Renal, very high	0.489
RENM	Renal, medium	Renal, low to medium	0.132
RENH	Renal, low	Renal, low to medium	0.132
SKCM	Skeletal, medium	Skeletal, medium	0.308
SKCL	Skeletal, low	Skeletal, very low to low	0.149
SKCVL	Skeletal, very low	Skeletal, very low to low	0.149
SKNH	Skin, high	Skin, low - high	0.254
SKNL	Skin, low	Skin, low - high	0.254
SKNVL	Skin, very low	Skin, very low	0.090
SUBL	Substance abuse, low	Substance abuse, very low to low	0.153
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.153
MRX1	Anti-coagulants	Cardiovascular, medium	0.570
MRX2	Cardiac	Cardiovascular, extra low	0.106
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.167
MRX4	Diabetes	Diabetes, type 2 low	0.177
MRX5	ESRD / Renal	Renal, very high	0.489
MRX6	Hemophilia / von Willebrands	Hematological, very high to extra high	1.633
MRX7	Hepatitis	HIV, medium	1.210
MRX8	HIV	HIV, medium	1.210
MRX9	Infections, high	AIDS, high	1.699
MRX10	Inflammatory / Autoimmune	Skeletal, very low to low	0.149
MRX11	Malignancies	Cancer, medium	0.649
MRX12	Multiple Sclerosis / Paralysis	CNS, medium to high	0.589
MRX13	Parkinsons / Tremor	CNS, low	0.218
MRX14	Seizure disorders	CNS, low	0.218
MRX15	Tuberculosis	Pulmonary, low	0.178

Exhibit 4C Mississippi Division of Medicaid Custom Risk Adjustment Weights Effective July 2020 MA Adult		
	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.142	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 15 to 24 Female	0.330	0.922
Age 15 to 24 Male	-	0.514
Age 25 to 44 Female	0.236	0.989
Age 25 to 44 Male	0.058	0.770
Age 45 and Older Female	0.245	1.353
Age 45 and Older Male	0.365	1.362
Duration Categories		
Diagnosis Period Duration, 6 to 9 Months	0.126	N/A
Diagnosis Period Duration, 10 to 11 Months	0.059	N/A
Diagnosis Period Duration, 12 Months	-	N/A
Disease Categories		
Cancer, high to very high	3.752	N/A
Cancer, medium	0.997	N/A
Cancer, low	0.364	N/A
Cardiovascular, very high	1.914	N/A
Cardiovascular, medium	0.601	N/A
Cardiovascular, low	0.315	N/A
Cardiovascular, extra low	0.122	N/A
CNS, medium to high	0.836	N/A
CNS, low	0.419	N/A
Diabetes, type 1 high	2.432	N/A
Diabetes, type 1 medium	1.612	N/A
Diabetes, type 2 medium	1.043	N/A
Diabetes, type 2 low	0.375	N/A
DD, low to medium	0.613	N/A
Eye, very low to low	0.324	N/A
Genital, extra low	0.118	N/A
Gastro, medium to high	0.933	N/A
Gastro, low	0.224	N/A
Hematological, low to extra high	0.318	N/A
AIDS, high	1.445	N/A
HIV, medium	1.320	N/A
Infectious, low to medium	0.578	N/A
Metabolic, high	0.857	N/A
Metabolic, medium	0.393	N/A
Metabolic, very low	0.138	N/A
Pregnancy, complete	0.160	N/A
Pregnancy, incomplete	0.997	N/A
Psychiatric, high	0.972	N/A
Psychiatric, medium	0.513	N/A
Psychiatric, medium low	0.321	N/A
Psychiatric, low	0.212	N/A
Pulmonary, medium to high	0.600	N/A
Pulmonary, low	0.227	N/A
Renal, medium to extra high	0.855	N/A
Renal, low	0.304	N/A
Skeletal, medium	0.586	N/A
Skeletal, very low to low	0.362	N/A
Skin, low to high	0.941	N/A
Skin, very low	0.132	N/A
Substance abuse, low	0.289	N/A

Exhibit 4D Mississippi Division of Medicaid CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories MA Adult			
CDPS + Rx Abbreviation	CDPS + Rx Description	MississippiCAN Risk Weight Category	MississippiCAN Risk Weight
CANVH	Cancer, very high	Cancer, high to very high	3.752
CANH	Cancer, high	Cancer, high to very high	3.752
CANM	Cancer, medium	Cancer, medium	0.997
CANL	Cancer, low	Cancer, low	0.364
CARVH	Cardiovascular, very high	Cardiovascular, very high	1.914
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.601
CCARM	Cardiovascular, medium - child	Not Used	Not Used
CARL	Cardiovascular, low	Cardiovascular, low	0.315
CAREL	Cardiovascular, extra low	Cardiovascular, extra low	0.122
CERL	Cerebrovascular, low	Not Used	Not Used
CNSH	CNS, high	CNS, medium to high	0.836
CCNSH	CNS, high - child	Not Used	Not Used
CNSM	CNS, medium	CNS, medium to high	0.836
CNSL	CNS, low	CNS, low	0.419
DDM	DD, medium	DD, low to medium	0.613
DDL	DD, low	DD, low to medium	0.613
DIA1H	Diabetes, type 1 high	Diabetes, type 1 high	2.432
DIA1M	Diabetes, type 1 medium	Diabetes, type 1 medium	1.612
DIA2M	Diabetes, type 2 medium	Diabetes, type 2 medium	1.043
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	0.375
EYEL	Eye, low	Eye, very low to low	0.324
EYEVH	Eye, very low	Eye, very low to low	0.324
GENEL	Genital, extra low	Genital, extra low	0.118
GIH	Gastro, high	Gastro, medium to high	0.933
CGIH	Gastro, high - child	Not Used	Not Used
GIM	Gastro, medium	Gastro, medium to high	0.933
GIL	Gastro, low	Gastro, low	0.224
HEMEH	Hematological, extra high	Hematological, low to extra high	0.318
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, low to extra high	0.318
HEMM	Hematological, medium	Hematological, low to extra high	0.318
HEML	Hematological, low	Hematological, low to extra high	0.318
AIDSH	AIDS, high	AIDS, high	1.445
INFH	Infectious, high	AIDS, high	1.445
HIVM	HIV, medium	HIV, medium	1.320
INFM	Infectious, medium	Infectious, low to medium	0.578
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.578
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, high	0.857
CMETH	Metabolic, high - child	Not Used	Not Used
METM	Metabolic, medium	Metabolic, medium	0.393
METVL	Metabolic, very low	Metabolic, very low	0.138
PRGCMP	Pregnancy, complete	Pregnancy, complete	0.160
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	0.997
PSYH	Psychiatric, high	Psychiatric, high	0.972
PSYM	Psychiatric, medium	Psychiatric, medium	0.513
PSYML	Psychiatric, medium low	Psychiatric, medium low	0.321
PSYL	Psychiatric, low	Psychiatric, low	0.212
PULVH	Pulmonary, very high	Not Used	Not Used
CPULVH	Pulmonary, very high - child	Not Used	Not Used
PULH	Pulmonary, high	Pulmonary, medium to high	0.600
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, medium to high	0.600
PULL	Pulmonary, low	Pulmonary, low	0.227
RENEH	Renal, extra high	Renal, medium to extra high	0.855
RENVH	Renal, very high	Renal, medium to extra high	0.855
RENM	Renal, medium	Renal, medium to extra high	0.855
RENH	Renal, low	Renal, low	0.304
SKCM	Skeletal, medium	Skeletal, medium	0.586
SKCL	Skeletal, low	Skeletal, very low to low	0.362
SKCVL	Skeletal, very low	Skeletal, very low to low	0.362
SKNH	Skin, high	Skin, low to high	0.941
SKNL	Skin, low	Skin, low to high	0.941
SKNVL	Skin, very low	Skin, very low	0.132
SUBL	Substance abuse, low	Substance abuse, low	0.289
SUBVL	Substance abuse, very low	Not Used	Not Used
MRX1	Anti-coagulants	Cardiovascular, medium	0.601
MRX2	Cardiac	Cardiovascular, extra low	0.122
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.212
MRX4	Diabetes	Diabetes, type 2 low	0.375
MRX5	ESRD / Renal	Renal, medium to extra high	0.855
MRX6	Hemophilia / von Willebrands	Hematological, low to extra high	0.318
MRX7	Hepatitis	HIV, medium	1.320
MRX8	HIV	HIV, medium	1.320
MRX9	Infections, high	AIDS, high	1.445
MRX10	Inflammatory / Autoimmune	Skeletal, very low to low	0.362
MRX11	Malignancies	Cancer, medium	0.997
MRX12	Multiple Sclerosis / Paralysis	CNS, medium to high	0.836
MRX13	Parkinsons / Tremor	CNS, low	0.419
MRX14	Seizure disorders	CNS, low	0.419
MRX15	Tuberculosis	Pulmonary, low	0.227

Exhibit 4E Mississippi Division of Medicaid Custom Risk Adjustment Weights Effective October 2018 MA Children and Quasi-CHIP		
	Scored Member Cost Weights	Unscored Member Cost Weights
Regression Intercept	0.539	N/A
Demographic Categories		
Under Age 1	N/A	N/A
Age 1 to 5 Male	0.133	0.953
Age 1 to 5 Female	0.068	0.833
Age 6 to 12 Male	0.047	1.046
Age 6 to 12 Female	0.049	0.896
Age 13 to 18 Male	-	1.007
Age 13 to 18 Female	0.297	1.292
Disease Categories		
Cancer, very high	27.677	N/A
Cancer, high	4.235	N/A
Cancer, medium	3.414	N/A
Cancer, low	0.629	N/A
Cardiovascular, very high	5.998	N/A
Cardiovascular, medium	0.760	N/A
Cardiovascular, extra low to low	0.593	N/A
Cerebrovascular, low	0.316	N/A
CNS, high	10.392	N/A
CNS, medium	1.647	N/A
CNS, low	0.575	N/A
DD, low to medium	2.162	N/A
Diabetes, type 2 low	2.030	N/A
Eye, very low to low	0.349	N/A
Genital, extra low	0.361	N/A
Gastro, high	5.482	N/A
Gastro, medium	1.521	N/A
Gastro, low	0.386	N/A
Hematological, low to extra high	0.598	N/A
AIDS, high	1.527	N/A
HIV, medium	1.204	N/A
Infectious, low to medium	0.197	N/A
Metabolic, medium to high	1.382	N/A
Metabolic, very low	0.506	N/A
Pregnancy, incomplete	2.708	N/A
Psychiatric, high	2.650	N/A
Psychiatric, medium	1.509	N/A
Psychiatric, medium low	1.218	N/A
Psychiatric, low	0.619	N/A
Pulmonary, high	7.062	N/A
Pulmonary, low to medium	0.502	N/A
Renal, extra high	13.306	N/A
Renal, very high	1.565	N/A
Renal, medium	0.837	N/A
Renal, low	0.295	N/A
Skeletal, medium	0.567	N/A
Skeletal, low	0.437	N/A
Skeletal, very low	0.278	N/A
Skin, high	1.516	N/A
Skin, very low to low	0.188	N/A
Substance abuse, very low to low	0.381	N/A

Exhibit 4F
Mississippi Division of Medicaid
CDPS + Rx Mapping to Custom Risk Adjustment Weight Categories
MA Children and Quasi-CHIP

CDPS + Rx Abbreviation	CDPS + Rx Description	MississippiCAN Risk Weight Category	MississippiCAN Risk Weight
CANVH	Cancer, very high	Cancer, very high	27.677
CANH	Cancer, high	Cancer, high	4.235
CANM	Cancer, medium	Cancer, medium	3.414
CANL	Cancer, low	Cancer, low	0.629
CARVH	Cardiovascular, very high	Cardiovascular, very high	5.998
CCARVH	Cardiovascular, very high - child	Not Used	Not Used
CARM	Cardiovascular, medium	Cardiovascular, medium	0.760
CCARM	Cardiovascular, medium - child	Not Used	Not Used
CARL	Cardiovascular, low	Cardiovascular, extra low to low	0.593
CAREL	Cardiovascular, extra low	Cardiovascular, extra low to low	0.593
CERL	Cerebrovascular, low	Cerebrovascular, low	0.316
CNSH	CNS, high	CNS, high	10.392
CCNSH	CNS, high - child	Not Used	Not Used
CNSM	CNS, medium	CNS, medium	1.647
CNSL	CNS, low	CNS, low	0.575
DDM	DD, medium	DD, low to medium	2.162
DDL	DD, low	DD, low to medium	2.162
DIA1H	Diabetes, type 1 high	Not Used	Not Used
DIA1M	Diabetes, type 1 medium	Not Used	Not Used
DIA2M	Diabetes, type 2 medium	Not Used	Not Used
DIA2L	Diabetes, type 2 low	Diabetes, type 2 low	2.030
EYEL	Eye, low	Eye, very low to low	0.349
EYEVL	Eye, very low	Eye, very low to low	0.349
GENEL	Genital, extra low	Genital, extra low	0.361
GIH	Gastro, high	Gastro, high	5.482
CGIH	Gastro, high - child	Not Used	Not Used
GIM	Gastro, medium	Gastro, medium	1.521
GIL	Gastro, low	Gastro, low	0.386
HEMEH	Hematological, extra high	Hematological, low to extra high	0.598
CHEMEH	Hematological, extra high - child	Not Used	Not Used
HEMVH	Hematological, very high	Hematological, low to extra high	0.598
HEMM	Hematological, medium	Hematological, low to extra high	0.598
HEML	Hematological, low	Hematological, low to extra high	0.598
AIDSH	AIDS, high	AIDS, high	1.527
INFH	Infectious, high	AIDS, high	1.527
HIVM	HIV, medium	HIV, medium	1.204
INFM	Infectious, medium	Infectious, low to medium	0.197
CINFM	Infectious, medium - child	Not Used	Not Used
INFL	Infectious, low	Infectious, low to medium	0.197
CHIVM	HIV, medium - child	Not Used	Not Used
METH	Metabolic, high	Metabolic, medium to high	1.382
CMETH	Metabolic, high - child	Not Used	Not Used
METM	Metabolic, medium	Metabolic, medium to high	1.382
METVL	Metabolic, very low	Metabolic, very low	0.506
PRGCMP	Pregnancy, complete	Not Used	Not Used
PRGINC	Pregnancy, incomplete	Pregnancy, incomplete	2.708
PSYH	Psychiatric, high	Psychiatric, high	2.650
PSYM	Psychiatric, medium	Psychiatric, medium	1.509
PSYML	Psychiatric, medium low	Psychiatric, medium low	1.218
PSYL	Psychiatric, low	Psychiatric, low	0.619
PULVH	Pulmonary, very high	Not Used	Not Used
CPULVH	Pulmonary, very high - child	Not Used	Not Used
PULH	Pulmonary, high	Pulmonary, high	7.062
CPULH	Pulmonary, high - child	Not Used	Not Used
PULM	Pulmonary, medium	Pulmonary, low to medium	0.502
PULL	Pulmonary, low	Pulmonary, low to medium	0.502
RENEH	Renal, extra high	Renal, extra high	13.306
RENVH	Renal, very high	Renal, very high	1.565
RENM	Renal, medium	Renal, medium	0.837
RENL	Renal, low	Renal, low	0.295
SKCM	Skeletal, medium	Skeletal, medium	0.567
SKCL	Skeletal, low	Skeletal, low	0.437
SKCVL	Skeletal, very low	Skeletal, very low	0.278
SKNH	Skin, high	Skin, high	1.516
SKNL	Skin, low	Skin, very low to low	0.188
SKNVL	Skin, very low	Skin, very low to low	0.188
SUBL	Substance abuse, low	Substance abuse, very low to low	0.381
SUBVL	Substance abuse, very low	Substance abuse, very low to low	0.381
MRX1	Anti-coagulants	Cardiovascular, medium	0.760
MRX2	Cardiac	Cardiovascular, extra low to low	0.593
MRX3	Psychosis / Bipolar / Depression	Psychiatric, low	0.619
MRX4	Diabetes	Diabetes, type 2 low	2.030
MRX5	ESRD / Renal	Renal, very high	1.565
MRX6	Hemophilia / von Willebrands	Hematological, low to extra high	0.598
MRX7	Hepatitis	HIV, medium	1.204
MRX8	HIV	HIV, medium	1.204
MRX9	Infections, high	AIDS, high	1.527
MRX10	Inflammatory / Autoimmune	Skeletal, very low	0.278
MRX11	Malignancies	Cancer, medium	3.414
MRX12	Multiple Sclerosis / Paralysis	CNS, medium	1.647
MRX13	Parkinsons / Tremor	CNS, low	0.575
MRX14	Seizure disorders	CNS, low	0.575
MRX15	Tuberculosis	Pulmonary, low to medium	0.502

Exhibit 5A Mississippi Division of Medicaid Illustrative Risk Adjusted Capitation Rates Q1 to Q2 2023									
Region:	North								
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0013	\$1,090.00	\$1,091.37	\$120.00	\$60.00	\$10.00	\$3.00	\$193.00	\$1,284.37
Molina	0.9804	\$1,090.00	\$1,068.64	\$120.00	\$60.00	\$10.00	\$3.00	\$193.00	\$1,261.64
United	1.0042	\$1,090.00	\$1,094.53	\$120.00	\$60.00	\$10.00	\$3.00	\$193.00	\$1,287.53
MA Adult									
Magnolia	1.0168	\$510.00	\$518.59	\$50.00	\$60.00	\$10.00	\$3.00	\$123.00	\$641.59
Molina	0.9579	\$510.00	\$488.52	\$50.00	\$60.00	\$10.00	\$3.00	\$123.00	\$611.52
United	1.0101	\$510.00	\$515.13	\$50.00	\$60.00	\$10.00	\$3.00	\$123.00	\$638.13
MA Children									
Magnolia	1.0016	\$220.00	\$220.36	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$313.36
Molina	0.9506	\$220.00	\$209.14	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$302.14
United	1.0220	\$220.00	\$224.83	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$317.83
Quasi-CHIP									
Magnolia	0.9700	\$220.00	\$213.39	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$296.39
Molina	0.9960	\$220.00	\$218.12	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$302.12
United	1.0302	\$220.00	\$226.64	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$309.64
Foster Care									
Magnolia	0.9174	\$660.00	\$605.46	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$818.46
Molina	1.2798	\$660.00	\$844.68	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,057.68
United	1.0823	\$660.00	\$714.34	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$927.34

¹ Capitation rates reflect the removal of the quality withhold.
² Includes associated premium tax.
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly.

Exhibit 5B Mississippi Division of Medicaid Illustrative Risk Adjusted Capitation Rates Q1 to Q2 2023									
Region:	Central								
	(a) Budget Neutral Risk Score	(b) Unadjusted Capitation Rate PMPM ¹	(c) = (a) × (b) Risk Adjusted Capitation Payment PMPM	(d) MHAP FSA Payment PMPM ²	(e) MHAP QIPP Payment PMPM ³	(f) MAPS Payment PMPM ³	(g) TREAT Payment PMPM ³	(h) = (d) + (e) + (f) + (g) Total Payments Outside of Rates	(i) = (c) + (h) Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled									
Magnolia	1.0253	\$1,250.00	\$1,281.67	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,494.67
Molina	0.9936	\$1,250.00	\$1,242.04	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,455.04
United	0.9693	\$1,250.00	\$1,211.61	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,424.61
MA Adult									
Magnolia	1.0084	\$560.00	\$564.70	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$697.70
Molina	0.9542	\$560.00	\$534.35	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$667.35
United	1.0245	\$560.00	\$573.72	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$706.72
MA Children									
Magnolia	1.0106	\$230.00	\$232.43	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$325.43
Molina	0.9449	\$230.00	\$217.33	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$310.33
United	1.0177	\$230.00	\$234.07	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$327.07
Quasi-CHIP									
Magnolia	0.9821	\$230.00	\$225.88	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$308.88
Molina	0.9904	\$230.00	\$227.80	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$310.80
United	1.0225	\$230.00	\$235.18	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$318.18
Foster Care									
Magnolia	0.9343	\$690.00	\$644.68	\$180.00	\$60.00	\$10.00	\$3.00	\$253.00	\$897.68
Molina	1.2207	\$690.00	\$842.29	\$180.00	\$60.00	\$10.00	\$3.00	\$253.00	\$1,095.29
United	1.0639	\$690.00	\$734.07	\$180.00	\$60.00	\$10.00	\$3.00	\$253.00	\$987.07

¹ Capitation rates reflect the removal of the quality withhold.
² Includes associated premium tax.
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly.

Exhibit 5C
Mississippi Division of Medicaid
Illustrative Risk Adjusted Capitation Rates
Q1 to Q2 2023

Region:		South								
		(a)	(b)	(c) = (a) × (b)	(d)	(e)	(f)	(g)	(h) = (d) + (e) + (f) + (g)	(i) = (c) + (h)
		Budget Neutral Risk Score	Unadjusted Capitation Rate PMPM ¹	Risk Adjusted Capitation Payment PMPM	MHAP FSA Payment PMPM ²	MHAP QIPP Payment PMPM ³	MAPS Payment PMPM ³	TREAT Payment PMPM ³	Total Payments Outside of Rates	Total Payments (Capitation Rates + Other Payments)
Non-Newborn SSI / Disabled										
Magnolia		1.0317	\$1,240.00	\$1,279.31	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,492.31
Molina		0.9623	\$1,240.00	\$1,193.31	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,406.31
United		0.9805	\$1,240.00	\$1,215.85	\$140.00	\$60.00	\$10.00	\$3.00	\$213.00	\$1,428.85
MA Adult										
Magnolia		1.0106	\$540.00	\$545.75	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$678.75
Molina		0.9571	\$540.00	\$516.81	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$649.81
United		1.0204	\$540.00	\$551.04	\$60.00	\$60.00	\$10.00	\$3.00	\$133.00	\$684.04
MA Children										
Magnolia		1.0037	\$220.00	\$220.81	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$313.81
Molina		0.9385	\$220.00	\$206.46	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$299.46
United		1.0300	\$220.00	\$226.59	\$20.00	\$60.00	\$10.00	\$3.00	\$93.00	\$319.59
Quasi-CHIP										
Magnolia		0.9731	\$230.00	\$223.81	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$306.81
Molina		0.9514	\$230.00	\$218.81	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$301.81
United		1.0416	\$230.00	\$239.56	\$10.00	\$60.00	\$10.00	\$3.00	\$83.00	\$322.56
Foster Care										
Magnolia		0.9099	\$670.00	\$609.66	\$110.00	\$60.00	\$10.00	\$3.00	\$183.00	\$792.66
Molina		1.2711	\$670.00	\$851.61	\$110.00	\$60.00	\$10.00	\$3.00	\$183.00	\$1,034.61
United		1.0923	\$670.00	\$731.83	\$110.00	\$60.00	\$10.00	\$3.00	\$183.00	\$914.83

¹ Capitation rates reflect the removal of the quality withhold.
² Includes associated premium tax.
³ Includes associated premium tax; MAPS, QIPP, and TREAT are paid quarterly.



17335 Golf Parkway
Suite 100
Brookfield, WI 53045
USA
Tel +1 262 784 2250

milliman.com

August 9, 2024

Jennifer Wentworth
Deputy Executive Director, Finance
Mississippi Division of Medicaid
550 High Street, Suite 1000
Jackson, MS 39201
Sent via email: jennifer.wentworth@medicaid.ms.gov

Re: Wentworth07 - Final Foster Care Q1 to Q2 2023 Risk Scores

Dear Jennifer:

The Mississippi Division of Medicaid (DOM) retained Milliman to calculate, document, and certify capitation rates for the Mississippi Coordinated Access Network (MississippiCAN), a coordinated care program for targeted Medicaid beneficiaries. Since July 1, 2020, we have risk adjusted the Foster Care rate cell to address consistent differences in acuity between the Foster Care populations enrolling among the Coordinated Care Organizations (CCOs).

This letter updates risk scores provided in a previous letter,¹ which used Foster Care enrollment as of September 2022 to estimate preliminary risk scores for the Q1 to Q2 2023 period. Prior to the spring of 2020, most Foster Care children were enrolled in a single CCO. Since that time, new Foster Care children have been enrolled more evenly across all three CCOs. Due to this change in enrollment practices, we have restated the Q1 to Q2 2023 risk scores from the preliminary estimates using actual enrollment by CCO in the Q1 to Q2 2023 period. This letter documents the methodology and restated risk scores from this update.

RESULTS

The Foster Care rate cell is risk adjusted using each member’s eligibility for either state or federal financial assistance. This status is reported on both the money code field on DOM’s enrollment records and the 834 enrollment reports provided to the CCOs. Table 1 shows the risk weights applicable to each money code field. The methodology to develop these factors is documented in a previous letter.² We plan to review the weights shown in Table 1 as part of the risk weight update planned for fall of 2024.

Table 1 Mississippi Division of Medicaid Risk Weights for the Foster Care Rate Cell		
Money Code	Description	Risk Weight
Money Code 2	CWS Foster Care	0.862
Money Code 3	Receiving IV-E Assistance	0.743
Money Code 4	Receiving IV-E Subadoption Ast	0.064
Other	All other Money Codes	0.000
Additional Risk Weight	Description	Risk Weight
Intercept	Regression Intercept	0.457

¹ "Wentworth11 – Q1 to Q2 2023 MississippiCAN Risk Adjustment.pdf," dated December 16, 2022.
² "Clark17 – Risk Adjustment Methodology for Foster Care Rate Cell.pdf" dated June 18, 2020.



Table 2 summarizes both the preliminary budget neutral risk scores by region and CCO using September 2022 enrollment and the final budget neutral risk scores using actual Q1 to Q2 2023 enrollment. Exhibit 1 shows the application of the risk weights in Table 1 to the CCOs’ Q1 to Q2 2023 enrollment in the Foster Care rate cell to calculate the values in Table 2. The section titled “Risk Score Application” below describes how CCO-specific risk scores are calculated and calibrated to be budget neutral across the program.

Table 2 Mississippi Division of Medicaid Budget Neutral Risk Scores for the Foster Care Rate Cell Q1 to Q2 2023 Enrollment Period		
CCO	Preliminary Risk Scores September 2022 Enrollment	Final Risk Scores Q1 to Q2 2023 Enrollment
Magnolia		
North Region	0.917	0.917
Central Region	0.934	0.915
South Region	0.910	0.906
Molina		
North Region	1.280	1.253
Central Region	1.221	1.240
South Region	1.271	1.246
United		
North Region	1.082	1.074
Central Region	1.064	1.083
South Region	1.092	1.096

We note, the risk scores in Table 2 are further from 1.000 by CCO than we typically see when developing risk scores for other MississippiCAN risk-adjusted populations. These risk scores, however, are commensurate with differences in per-member-per-month (PMPM) costs we have historically seen for the Foster Care rate cell.

Risk Score Application

There are several steps in applying the risk weights in Table 1 to adjust capitation rate payments to each CCO. The following outlines the steps in this calculation.

1. **Set rating period** – For concurrent risk score development, actual enrollment from the rating period is used to develop final risk scores for that same rating period. Preliminary risk scores are developed using enrollment before the final rating period and are provided at the same time as the risk scores for all other rate cells.
2. **Calculate member-level risk scores** – The risk score for an individual in Foster Care is calculated as the sum of two components:
 - The risk model's intercept, which is applied to all members
 - An additional factor corresponding to each member’s money code status each month in the rating period. Members without a valid code are given the “other” money code weight shown in Table 1

For traditional risk scores based on CDPS + Rx, a member is only given a risk score if they have at least six months of claims experience. This is to ensure the member has sufficient claims experience to capture diagnostic information about the member. For the Foster Care rate cell, all members are given a risk score, as their risk score depends only on their money code each month.

3. **Calculate each CCO’s raw risk score** – A CCO’s raw risk score is calculated as the average risk score of its members in a given risk adjustment period. Raw risk scores are calculated at the regional level.

CCOs with low enrollment (using a full credibility threshold of 300 member months over the six-month risk adjustment period) may be credibility adjusted to reduce volatility in their raw risk scores. For plans with



Jennifer Wentworth
Mississippi Division of Medicaid
August 9, 2024
Page 3 of 4

partially credible experience, the plan's risk score would be blended with the region-wide raw risk score to determine the credibility-adjusted raw risk score. Multiple months of data are used to develop risk scores for each CCO under a concurrent risk score methodology, which increases the credibility of each CCO's risk score. Since each CCO has more than 300 member months in each region over the six-month risk adjustment period (as shown in Exhibit 1), we have not applied credibility adjustments to these Foster Care risk scores. We will continue to monitor enrollment by CCO and volatility of claims costs by money code to determine if credibility adjustments are appropriate in the future.

4. **Calculate each CCO's budget neutral risk score** – The average raw risk score is calculated for each region as the average of all members' risk scores across all CCOs within a region. Each CCO's raw risk score is divided by this regional raw risk score to calculate its budget neutral risk score for that region.
5. **Calculate the risk adjusted capitation rate** – A CCO's capitation rate will be determined based upon the following formula:

$$\text{CCO Capitation Rate} = \text{Base Capitation Rate} \times \text{CCO Budget Neutral Risk Adjustment Factor}$$

Risk adjustment will be applied to the capitation rate after the quality withhold application and excluding amounts paid outside the capitation rate (MHAP, MAPS, and TREAT payments along with the associated premium tax).

Exhibit 1 and Table 2 show the final budget neutral risk scores by CCO using a Q1 to Q2 2023 risk adjustment period, to be applied as described in Step 5 above when capitation rates are paid to the CCOs.

CAVEATS AND LIMITATION ON USE

This letter is intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive this letter and related materials. The materials should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in this letter. The intent of the models was to calculate Q1 to Q2 2023 Foster Care risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO eligibility data from January 2023 to June 2023 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in this letter. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

This letter is designed to document the risk scores for Q1 to Q2 2023 for MississippiCAN eligible Foster Care members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2023 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, this letter is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices.





Jennifer Wentworth
Mississippi Division of Medicaid
August 9, 2024
Page 4 of 4

Jennifer, please call us at 262 784 2250 if you have questions.

Sincerely,

A handwritten signature in black ink, reading 'Jill A. Bruckert'.

Jill A. Bruckert FSA, MAAA
Principal and Consulting Actuary

JAB/KNL/zk

Attachment

A handwritten signature in black ink, reading 'Katarina N. Lorenz'.

Katarina N. Lorenz, FSA, MAAA
Consulting Actuary



EXHIBITS

Exhibit 1
Mississippi Division of Medicaid
Risk Adjustment Results
Foster Care Concurrent Risk Scores
January 2023 to June 2023 Enrollment Period

North Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Description	Risk	Weight								
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	1,353	16.45%	739	41.12%	856	27.30%	2,948	22.41%
Money Code 3	Receiving IV-E Assistance	0.743	948	11.53%	388	21.59%	544	17.35%	1,880	14.29%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	5,505	66.94%	609	33.89%	1,484	47.34%	7,598	57.75%
Other	All other Money Codes	0.000	418	5.08%	61	3.39%	251	8.01%	730	5.55%
Unadjusted Plan Factor			0.727		0.994		0.852		0.793	
Member Months			8,224		1,797		3,135		13,156	
Budget Neutral Plan Factor			0.917		1.253		1.074		1.000	

Central Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Description	Risk	Weight								
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	1,774	21.79%	925	47.19%	836	31.58%	3,535	27.73%
Money Code 3	Receiving IV-E Assistance	0.743	1,131	13.89%	489	24.95%	629	23.76%	2,249	17.64%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	4,877	59.90%	490	25.00%	1,018	38.46%	6,385	50.08%
Other	All other Money Codes	0.000	360	4.42%	56	2.86%	164	6.20%	580	4.55%
Unadjusted Plan Factor			0.786		1.065		0.930		0.859	
Member Months			8,142		1,960		2,647		12,749	
Budget Neutral Plan Factor			0.915		1.240		1.083		1.000	

South Region										
			Magnolia		Molina		United		Total	
			Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months	Member Months	% of Member Months
Description	Risk	Weight								
Intercept	Regression Intercept	0.457		100.00%		100.00%		100.00%		100.00%
Money Code 2	CWS Foster Care	0.862	1,614	14.24%	933	34.75%	1,151	27.73%	3,698	20.35%
Money Code 3	Receiving IV-E Assistance	0.743	1,469	12.96%	759	28.27%	814	19.61%	3,042	16.74%
Money Code 4	Receiving IV-E Subadoption Ast	0.064	7,645	67.45%	936	34.86%	1,827	44.01%	10,408	57.28%
Other	All other Money Codes	0.000	606	5.35%	57	2.12%	359	8.65%	1,022	5.62%
Unadjusted Plan Factor			0.719		0.989		0.870		0.793	
Member Months			11,334		2,685		4,151		18,170	
Budget Neutral Plan Factor			0.906		1.246		1.096		1.000	

Exhibit 2
Mississippi Division of Medicaid
Foster Care Risk Score Adjustment Summary - Q1 to Q2 2023 Risk Scores
January 2023 to June 2023 Enrollment Period

North Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	8,224	0.727	0.917
Molina	1,797	0.994	1.253
United	3,135	0.852	1.074
Total	13,156	0.793	1.000

Central Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	8,142	0.786	0.915
Molina	1,960	1.065	1.240
United	2,647	0.930	1.083
Total	12,749	0.859	1.000

South Region			
	All Members		
CCO	Member Months	Unadjusted Risk Score	Budget Neutral Risk Score
Magnolia	11,334	0.719	0.906
Molina	2,685	0.989	1.246
United	4,151	0.870	1.096
Total	18,170	0.793	1.000

Caveats and Limitations
Mississippi Division of Medicaid
Q1 to Q2 2023 MississippiCAN Risk Adjustment Exhibits
READ BEFORE PROCEEDING

These exhibits are intended for the internal use of DOM in accordance with its statutory and regulatory requirements. Milliman recognizes the materials may be public records subject to disclosure to third parties; however, Milliman does not intend to benefit, and assumes no duty or liability to, any third parties who receive these exhibits. These exhibits should only be reviewed in their entirety.

Milliman has developed certain models to estimate the values included in these exhibits. The intent of the models was to calculate Q1 to Q2 2023 risk scores for this MississippiCAN program. We reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP).

The models rely on data and information as input to the models. We used CCO encounters, FFS claims, and eligibility data from January 2021 to September 2022 with runout through September 2022 and other information from DOM, MississippiCAN CCOs, and CMS to calculate the risk scores shown in these exhibits. If the underlying data used is inadequate or incomplete, the results will be likewise inadequate or incomplete.

These exhibits are designed to document the risk scores for Q1 to Q2 2023 for MississippiCAN eligible members. This information may not be appropriate, and should not be used, for other purposes. This information should be viewed in conjunction with our final SFY 2023 capitation rate report.

Differences between the actual costs incurred by members and the costs predicted using the developed risk weights will differ. It is certain that actual experience will not conform exactly to the assumptions used. Actual amounts will differ from projected amounts to the extent that actual experience is better or worse than expected.

We are Actuaries for Milliman, members of the American Academy of Actuaries, and meet the Qualification Standards of the Academy to render the actuarial opinion contained herein. To the best of our knowledge and belief, these exhibits are complete and accurate and have been prepared in accordance with generally recognized and accepted actuarial principles and practices.