

MILLIMAN CLIENT REPORT

# NEMT capitation rates - Proposed rate methodology

Effective July 1, 2024 through June 30, 2025

State of Indiana

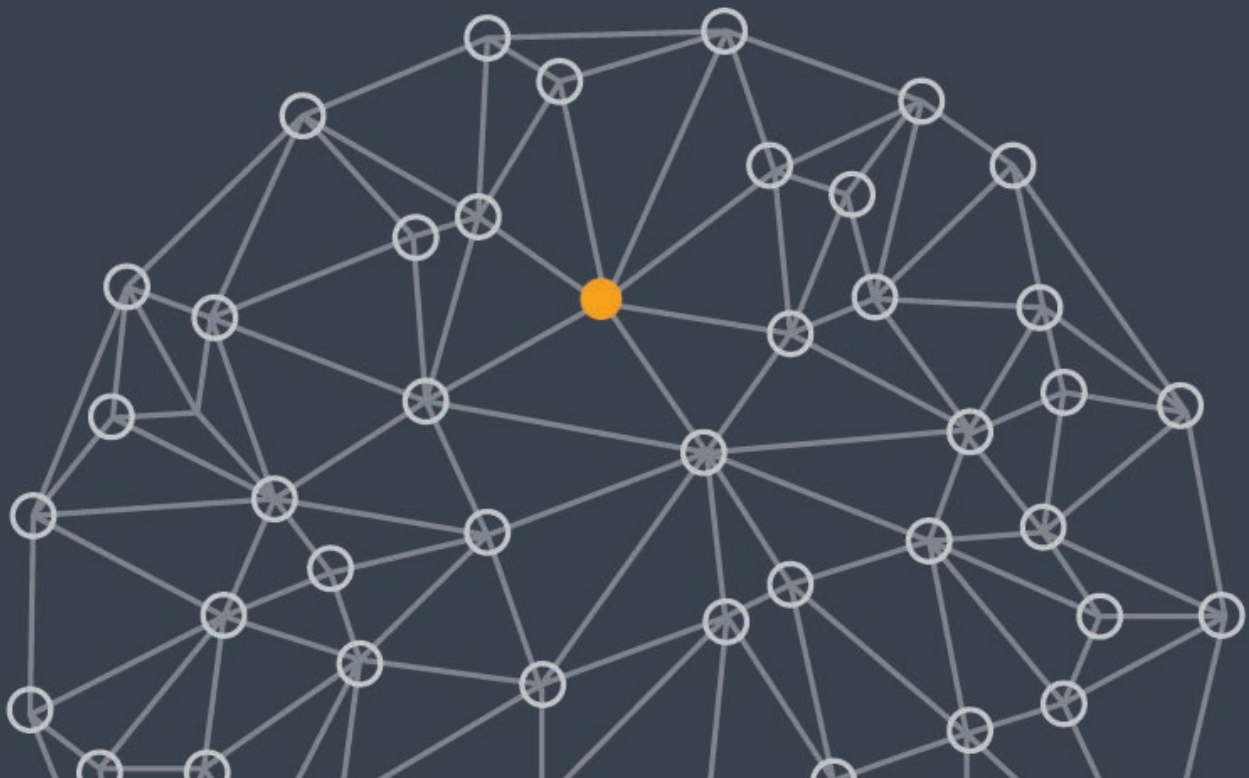
Family and Social Services Administration

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## Background

Milliman has been retained by the State of Indiana, Family and Social Services Administration (FSSA) to develop risk-based managed care (RBMC) capitation rates for non-emergency transportation (NEMT) services provided to fee-for-service (FFS) Medicaid populations in the State of Indiana.

This letter provides documentation for the methodology that will be used to develop actuarially sound capitation rates. Although preliminary capitation rates are presented in this report, it is anticipated that these rates may be updated in early calendar year (CY) 2024 with more recent information. As a result, this report is intended to outline the methodology that will be used in the capitation rate development and to present preliminary data, rather than present the final capitation rates that will be paid for July 2024 through June 2025. It is anticipated that these capitation rates may be adjusted prior to the rating period for the following (not a comprehensive list):

- Refresh the base data used in the rate development with a more recent time period of NEMT program experience
- Adjust the trend assumptions to reflect more recent emerging experience
- Implement any material program or policy changes related to covered populations, covered benefits, state-directed payments, or other material impacts that would affect reimbursement to providers
- Other methodology changes that the state and the certifying actuary deem appropriate in order to develop actuarially sound capitation rates

Additionally, there are two specific, potential policy changes that could materially affect the covered population – and associated member cost profiles – of this NEMT program. These two scenarios are described below, and we have included alternative sets of capitation rate development exhibits that display how the rates may change if these policy changes are implemented, which are displayed in Appendices 4 and 5. Additionally, throughout the report, we have mentioned areas where the rate methodology would be expected to change if these policy changes were implemented.

- The state is expected to launch a comprehensive managed long-term services and supports (MLTSS) program in early CY 2024. Although the exact start date of the program is not yet known, it is expected that most aged and disabled members ages 60 and over will be enrolled in the program and that the contracted managed care entities will provide transportation services for these members. As a result, when the MLTSS program begins, these members are expected to no longer be covered by this NEMT program. Throughout this report, capitation rates excluding these members and their associated costs are referred to as the “MLTSS excluded” scenario.
- Additionally, the state is considering a policy change that would make providing NEMT services for members residing in a nursing facility the responsibility of the facility. If this change is implemented, these nursing facility members are expected to no longer be covered by this NEMT program. Throughout this report, capitation rates excluding these members and their associated costs are referred to as the “All NF excluded” scenario; this scenario also assumes that the MLTSS program described above has begun, so the MLTSS members are excluded from this scenario as well.

## FISCAL IMPACT ESTIMATE

The preliminary capitation rates for the NEMT program are illustrated in Appendix 1. These rates are effective from July 1, 2024 through June 30, 2025, and they reflect the NEMT “base” scenario rates, which do not reflect the “MLTSS excluded” and “All NF excluded” impacts as well as rates for the “MLTSS excluded” scenario and “All NF excluded” scenario.

Figure 1 summarizes the estimated state and federal expenditures under the preliminary July 2024 through June 2025 capitation rates based on projected enrollment from July 1, 2024 through June 30, 2025. The estimated expenditures for each scenario are included.

**FIGURE 1: ESTIMATED FISCAL IMPACT OF PRELIMINARY JULY 2024 THROUGH JUNE 2025 CAPITATION RATES (DOLLARS IN MILLIONS)**

RATE CELL	BASE		MLTSS EXCLUDED		ALL NF EXCLUDED	
	PROJECTED MEMBER MONTHS	PROJECTED NEMT EXPENDITURES	PROJECTED MEMBER MONTHS	PROJECTED NEMT EXPENDITURES	PROJECTED MEMBER MONTHS	PROJECTED NEMT EXPENDITURES
Nursing Home and Waiver PD	881,989	\$ 21.1	181,528	\$ 6.9	141,719	\$ 4.5
Other Institutional, Waiver ID, and Full Duals	1,739,372	11.0	1,061,436	7.4	1,060,973	7.7
Foster and Other Non-Dual Disabled	391,710	0.8	390,415	0.8	390,273	0.8
Low-Income Family	531,286	0.0	531,286	0.0	531,286	0.0
<b>Total State and Federal</b>	<b>3,544,357</b>	<b>\$ 32.9</b>	<b>2,164,664</b>	<b>\$ 15.0</b>	<b>2,124,251</b>	<b>\$ 13.0</b>
<b>Total Federal Only</b>		<b>\$ 21.6</b>		<b>\$ 9.8</b>		<b>\$ 8.5</b>
<b>Total State Only</b>		<b>\$ 11.3</b>		<b>\$ 5.2</b>		<b>\$ 4.5</b>

## 1. General information

The preliminary capitation rates provided in this report are “actuarially sound” for purposes of 42 CFR 438.4(a), according to the following criteria:

- The capitation rates provide for all reasonable, appropriate, and attainable costs that are required under terms of the contract and for the operation of the managed care plan for the time period and population covered under the terms of the contract, and such capitation rates were developed in accordance with the requirements under 42 CFR 438.4(b).

To ensure compliance with generally accepted actuarial practices and regulatory requirements, we referred to published guidance from the American Academy of Actuaries (AAA), the Actuarial Standards Board (ASB), the Centers for Medicare and Medicaid Services (CMS), and federal regulations. Specifically, the following were referenced during the rate development:

- Actuarial standards of practice applicable to Medicaid managed care rate setting which have been enacted as of the capitation rate certification date, including: ASOP 1 (Introductory Actuarial Standard of Practice); ASOP 5 (Incurred Health and Disability Claims); ASOP 12 (Risk Classification for All Practice Areas); ASOP 23 (Data Quality); ASOP 25 (Credibility Procedures); ASOP 41 (Actuarial Communications); ASOP 45 (The Use of Health Status Based Risk Adjustment Methodologies); and ASOP 49 (Medicaid Managed Care Capitation Rate Development and Certification).
- Actuarial soundness and rate development requirements in the Medicaid and CHIP Managed Care Final Rule (CMS 2390-F) for the provisions effective for the managed care program rating period.
- The CMS guide, released April 2022, for rating periods starting between July 1, 2022 and June 30, 2023.
- Throughout this document and consistent with the requirements under 42 CFR 438.4(a), the term “actuarially sound” will be defined as in ASOP 49:

*“Medicaid capitation rates are “actuarially sound” if, for business for which the certification is being prepared and for the period covered by the certification, projected capitation rates and other revenue sources provide for all reasonable, appropriate, and attainable costs. For purposes of this definition, other revenue sources include, but are not limited to, expected reinsurance and governmental stop-loss cash flows, governmental risk-adjustment cash flows, and investment income. For purposes of this definition, costs include, but are not limited to, expected health benefits; health benefit settlement expenses; administrative expenses; the cost of capital, and government-mandated assessments, fees, and taxes.”<sup>1</sup>*

## A. PROGRAM INFORMATION

### Managed care program

#### (a) General information

Under the NEMT program, the contracted broker provides non-emergency transportation services to Indiana Medicaid beneficiaries who are not enrolled in comprehensive managed care.

#### (b) Covered benefits

Benefits covered under NEMT include:

- Non-emergency ambulance transportation
- Wheelchair van transportation
- Commercial or taxi transportation
- Public transit
- Gas and mileage reimbursement
- Food and lodging as needed

<sup>1</sup> <http://www.actuarialstandardsboard.org/asops/medicaid-managed-care-capitation-rate-development-and-certification/>

The program also covers extra costs such as mileage reimbursement for ambulances, attendant or escort reimbursement, and waiting time.

Services not covered under the contract include:

- Non-transportation services
- Emergency transportation services
- Transportation to non-medical services, such as HCBS day programming
- Mileage under the U1 or U2 modifier (emergency)

The contractor is expected to observe prior authorization requirements and require copayment collection as specified under IAC 5-30-2.

Please see Appendix 2 for a list of services covered under the NEMT program.

### (c) Geographical coverage

The NEMT program operates throughout the entire state.

### **Covered populations**

The NEMT program covers Indiana Medicaid beneficiaries who are not enrolled in comprehensive managed care. These members have been organized into rate groups as follows:

- (i) **Nursing home, hospice, and waiver enrollees with physical disabilities:** This rate group includes nursing home residents, hospice members, and those enrolled in HCBS waivers for the physically disabled: the Aged and Disabled (A&D) waiver, the Traumatic Brain Injury (TBI) waiver, and the Money Follows the Person MFP grant.
  - a. Under the “MLTSS excluded” scenario, the rate group will consist of members in nursing homes, hospice, A&D waiver and MFP under age 60 as well as all TBI waiver members.
  - b. Under the “All NF excluded” scenario, the rate group will consist of members receiving hospice services outside of the nursing facility, A&D and MFP members under age 60 and all TBI waiver members.
- (ii) **Other institutional, waiver enrollees with intellectual disabilities, and Full Duals:** This rate group includes all other institutional residents, including those in ICF/IDs, PRTFs; those enrolled in HCBS waivers for the Intellectually Disabled, including the Community Integration and Habilitation (CIH) waiver and the Family Supports (FS) waiver, 1915(i) program members and all other Medicare enrollees with full Medicaid eligibility (Full Duals) who do not require long term care services and supports.
  - a. Under the “MLTSS excluded” scenario, the rate group will consist of Full Duals and 1915 (i) program members under age 60, CIH and FS waiver members, and those residing in ICF/ID and PRTF facilities.
  - b. Under the “All NF excluded” scenarios, members of the rate group should be mostly consistent with the above scenario, except for those that had a nursing home level of care during their enrollment in the NEMT program.
- (iii) **Foster and other:** This rate group includes all other non-dual fee-for-service enrollees, primarily foster and adoption assistance children. It also includes disabled individuals or those with mental illness, and populations with limited benefit packages such as refugees.
  - a. Under the “MLTSS excluded” scenario, almost none of these members are eligible for the MLTSS program, so most of these members will remain in FFS and this rate group.
  - b. Under the “All NF excluded” scenario, almost none of these members are expected to be impacted by the exclusion of those with the nursing home level of care during their enrollment in the NEMT program.
- (iv) **Low-income family:** This includes the low-income family populations who are not enrolled in managed care. Since this population is a mandatory managed care population, the fee-for-service experience primarily includes periods of retroactive eligibility, as well as periods during which enrollees are selecting a managed care plan.
  - a. Under the “MLTSS excluded” scenario, all of these members will remain in FFS and this rate group as these members are not eligible for MLTSS.
  - b. Under the “All NF excluded” scenario, all of these members will remain in this rate group as it is not expected that these members will have a nursing home level of care during their enrollment in the NEMT program.

***Eligibility criteria***

All fee-for-service members must request NEMT services through the contracted broker.

***Special contract provisions***

This report contains documentation of the following special contract provisions related to payment included within rate development.

- Withhold arrangements
- Risk corridor provisions



## 2. Data

This section provides information on the 12-month base data period that was used to develop the capitation rates (March 1, 2021 – February 28, 2022). The base experience data described in this section is illustrated in Appendix 3, with current program reimbursement and adjustments for completion. We have also displayed restated base data for the “MLTSS excluded” and “All NF excluded” scenarios in Appendices 4 and 5 in order to remove the member months and associated costs that are expected to be disenrolled from the NEMT program under these scenarios.

### A. DATA

In accordance with 42 CFR 438.5(c), we have followed the rate development standards related to base data. The remainder of this section provides documentation of the data types, sources, validation process, material adjustments and other information relevant to the documentation standards required by CMS.

#### *Description of the data*

##### **(a) Types of data**

The primary data source used in the development of the capitation rates is historical encounter data. This data is from the current NEMT program, as submitted by the current broker on an ongoing basis. Data for gas and mileage reimbursement, public transportation passes, and food and lodging were submitted directly by the current broker to FSSA. Combined, these categories represented approximately 0.6% of expenditures included in the benefit cost.

Capitation payments received by the current broker were used to determine the number of eligible members in each rate group during each month of the base data period. Milliman linked eligible members to claims to ensure we only included services provided to covered members. Services were reviewed to ensure only covered services were included in the base data.

Current broker financial data was used to check for reasonableness, and to test the adequacy of the reimbursement assumed in rate development, but not as a primary data source.

All claims, encounter, and capitation payment data used for this report are stored in the Indiana Medicaid program’s Enterprise Data Warehouse (EDW).

##### **(b) Age of the data**

The base period used for rate development is March 1, 2021 through February 28, 2022. Milliman included data from this period as reported through August 31, 2022, or with six months run out of encounter submission beyond the end of the base data period.

##### **(c) Data sources**

The historical encounter data experience used as a primary data source for the capitation rate development is submitted by the current broker on an ongoing basis. This data is stored in the EDW.

Capitation payment data was submitted by the fiscal agent, Gainwell, and stored in the EDW.

##### **(d) Sub-contracting**

Not applicable to this contract.

#### *Availability and quality of the data*

##### **(a) Completeness - process**

The actuary, the broker, the state’s fiscal agent, and the state Medicaid agency all play a role in validating the data for completeness.

The broker plays the initial role, collecting and summarizing data sent to the state. Summaries are reconciled to financial records on an ongoing basis.

As encounter data is submitted, the state's fiscal agent ensures the claims volume is consistent and alerts other parties if there appears to be a break in submissions.

The state actuary summarizes encounter data by month, population, and category of service, reviewing for reasonableness and consistency, and raising concerns where data appears to be incomplete or varies materially from projections.

Finally, the state provides final review and approval of the reconciliation.

#### **(b) Accuracy - process**

Checks for accuracy of the data begin with the broker's internal auditing and review processes.

When the data is submitted to the fiscal agent, it is subjected to most of the same validation checks that the fiscal agent applies to fee-for-service claims. For example, it must contain a valid Medicaid recipient ID for an individual who was enrolled at the time the service was provided and assigned to the health plan. It is also checked to ensure it is a covered service under the state plan and contains a valid provider ID and other codes necessary to provide payment.

The state actuary also reviews the encounter data to ensure each claim is related to a covered individual and a covered service. The actuary reviews annual base period data summaries to ensure that reported experience for each service is consistent with prior historical periods. Stratification by rate group facilitates this review, as it minimizes the impact of changes in population mix.

#### **(c) Consistency - process**

The actuary also compares the encounter data with financial information submitted by the broker.

Finally, the state provides final review and approval of the reconciliation on an annual basis. On a retrospective basis, the state periodically conducts audits as part of its program integrity review processes.

#### **(d) Actuary's assessment**

As required by Actuarial Standard of Practice No. 23, Data Quality, we disclose that Milliman has relied upon certain data and information provided by the State of Indiana, Family and Social Services Administration and their vendors, primarily the broker and the fiscal agent. The values presented in this letter are dependent upon this reliance.

We find the encounter data used to develop the preliminary July 2024 through June 2025 capitation rates to be suitable for the purpose of developing actuarially sound rates. Stratified by rate group and category of service, the utilization and unit costs are reasonable and consistent with historical experience.

We have not identified any concerns with the quality or availability of the data that would prevent us from developing capitation rates for the NEMT program.

## **B. DATA ADJUSTMENTS**

Preliminary capitation rates were developed from services provided during the base period: March 1, 2021 through February 28, 2022. We performed completion and reimbursement adjustments as discussed in this section.

### ***Reimbursement adjustments***

The following reimbursement adjustments were applied to the claims and encounter data.

#### **(a) Broker fleet of vehicles**

The current broker maintains a fleet of vehicles that are available to respond to member trip requests if no other commercial vehicles are available or willing to transport the member. As the transportation mode of last resort, these vehicles need to be available on short notice and may be unused for part of each day.

The previous broker submitted approximately 19,000 encounters for trips provided using this fleet of vehicles during the base data period (March 2021 through February 2022), approximately half as wheelchair van trips (procedure code A0130), and the other half as commercial transport (procedure code T2003).

#### **(b) Copayments**

The base data is provided net of historical copayments.

#### **Completion adjustment**

The base period used for preliminary rate development is the 12-month period extending from March 1, 2021 through February 28, 2022, as reported through August 31, 2022.

Milliman developed completion factors based on historical payment patterns observed from historical broker encounter data experience submitted to the EDW since the inception of the NEMT program in June 2018.

#### **Methodology**

Claims were analyzed and formed into a lag triangle by paid and incurred month. In analyzing the historical broker encounter claims payment patterns over the last few years, we have not observed material differences in payment patterns between rate cells. Claim completion factors were developed for each month of the base experience period, based on historical completion patterns. The monthly completion factors were composited and applied to base period data to estimate the remaining claims liability. The composited completion factor applied to the base period data for the EDW submitted encounter claims is 1.0048. No completion was applied to the gas reimbursement and public transportation supplemental claims provided by the broker directly to FSSA.

#### **Other adjustments considered**

We considered, but did not implement, the following adjustments.

#### **(a) Credibility**

All the NEMT rate group populations, as represented in the base experience, were fully credible. No adjustments were needed.

#### **(b) Non-covered services**

The data was reviewed to ensure the exclusion of non-covered services. The procedure codes on the claims were compared against a list of covered services. No material exclusions were made.

### 3. Projected benefit costs and trends

This section of the report outlines the data, assumptions, and methodology used to project the benefit costs to the rating period. The baseline benefit costs are developed in **Appendices 3, 4 and 5**, using the following steps:

- Stratify base period data by capitation rate cell and category of service
- Apply reimbursement adjustment for the broker fleet of vehicles (shown under the Fleet Repricing column)
- Apply claim completion factor (shown under Utilization Completion Factor and Cost Completion Factor columns)
- Trend (shown under Utilization Trend and Cost Trend columns)

In **Appendix 6: NEMT capitation rate summary**, we incorporate the non-benefit cost as an additional capitation rate component.

The remainder of this section provides additional detail on the prospective trend adjustment that was applied.

#### A. TREND DEVELOPMENT

Projected benefit cost trend assumptions are developed in accordance with generally accepted actuarial principles and practices. This section discusses the data, assumptions, and methodologies used to develop the benefit cost trends, i.e., the annualized projected change in benefit costs from the historical base period (March 1, 2021 through February 28, 2022) to the current rating period of this report (July 1, 2024 through June 30, 2025). We evaluated prospective trend rates using historical experience for the NEMT managed care program, as well as external data sources. Note that prospective trends were based on historical and emerging experience, as well future expectations for NEMT services. Although recent NEMT program experience during the COVID-19 pandemic appears to have stabilized compared to experience during the start of the pandemic, utilization and cost levels remain below pre-pandemic levels. The selected prospective trend assumptions allow for some increases in cost and utilization towards pre-pandemic levels as the public health emergency continues to evolve. As discussed previously in this report, we plan to revisit the prospective trend assumptions with more recent emerging data and expectations prior to the beginning of the July 2024 to June 2025 rating period.

##### *Data*

Milliman relied primarily on historical experience from covered populations. The enrollment and encounter experience used to develop trend were from June 2018 to January 2022 including adjustments for historical completion.

##### *Methodology*

For all categories of service, utilization trends were developed, including changes in the amount, duration, and mix of services. Price changes were also developed. To limit the variation in benefit cost, we developed trends by category of service for all rate cells in aggregate.

The utilization, pricing, and per member per month cost data was stratified by month, population, and category of service.

Historical trends should not be used in a simple formulaic manner to determine future trends; a great deal of actuarial judgment is also needed. We did not exclusively rely on historical trend data due to observation of occasional data anomalies or severe changes unlikely to be sustainable through the rating period.

We also referred to the sources listed in the prior section, considered changing practice patterns, the impact of reimbursement changes on utilization in this specific population, and shifting population mix.

We adjusted the trends derived from historical experience in cases where the resulting trends did not appear reasonably sustainable or were not within consensus parameters derived from other sources. As trends were developed based on data from a relatively new program, we generally expect the more significant service shifts to stabilize over time.

Material adjustments include the following:

- **Overall utilization**
  - Relatively stabilized trends for all trip types and add-ons, including mileage, were adjusted upward to reflect the expectation that the observed utilization will increase through the rating period.

- **Wheelchair Van and Other Commercial Trips cost per unit**
  - Substantially positive trends for both wheelchair van and other commercial services were adjusted downward to reflect the expectation that the observed rates of increase would not be sustained through the rating period.

### **Chosen trends**

The chosen trends are illustrated by category of service in Figure 2.

**FIGURE 2: ANNUALIZED TREND ASSUMPTIONS**

<b>CATEGORY OF SERVICE</b>	<b>UTILIZATION PER 1,000</b>	<b>COST PER UNIT</b>	<b>PMPM</b>
Wheelchair van	1.0%	2.5%	3.5%
Ambulance (non-emergency)	1.0%	1.0%	2.0%
Commercial - taxi	0.5%	1.0%	1.5%
Other Commercial	0.0%	5.0%	5.0%
Mileage	1.0%	1.0%	2.0%
Other Add-ons	1.0%	1.0%	2.0%

The trend is applied to the actuarial cost model in Appendices 3, 4, and 5 of this report, under the columns labeled Utilization Trend and Cost Trend.

- The trend components are applied to the cost model as follows:
  - The utilization component is applied to the Utilization per 1,000 values
  - The cost component is applied to the Cost per Unit values
- The Applied Trend columns are calculated using the following factors:
  - The Utilization Trend column displays 40 months of the utilization trend rates shown above, rather than an annual trend rate.
  - The Cost Trend column displays 40 months of cost trend, rather than an annual trend rate.

## 4. Special contract provisions related to payment

This section describes withhold payments and the risk corridor included in the NEMT contract for the rating period.

### A. INCENTIVE AND WITHHOLD ARRANGEMENTS

#### *Incentive arrangements*

There are no incentive payments included in the NEMT contract during the rating period.

#### *Withhold arrangements*

The state withholds 3.0% of the capitation rate subject to quality performance in the following areas:

- Vehicles in compliance with maintenance and safety standards
- Drivers in compliance with training and licensing requirements
- Call center accessibility and performance
- Transportation scheduling convenient for members to arrive at appointments on time
- Timely payment to transportation providers
- Resolution of complaints and appeals
- Encounter data submission is complete and timely
- Reports are accurate and timely
- Member education
- Member satisfaction

During the current rating period, although most aspirational goals must still be met for full payment of performance funds, the current structure provides for 50% or 75% payment at current or only slightly improved performance levels.

The state has estimated that approximately 75% of the withhold will be earned back by the contractor. The capitation rates shown in this letter are illustrated before offset for the withhold amount; however, capitation rates documented in this report are actuarially sound after adjustment for the amount of the withhold not expected to be earned.

The capitation rates certified in this report minus the portion of the withhold that is not reasonably achievable are actuarially sound.

### B. RISK CORRIDOR

This section provides documentation of the risk corridor mechanism to be contractually applied during the rating period. There is no other risk mitigation in place: no risk adjustment, no reinsurance, and no minimum medical loss ratio requirement.

#### *Rationale*

The state has proposed a risk corridor for the current rating period due to uncertainty over the impact of the COVID-19 pandemic on utilization of services. As documented in Section 3, the rates include an upward utilization adjustment to reflect the beginning and continuation of the “bounce-back” effect from the COVID-19 pandemic on the NEMT services. However, these are unprecedented times, and we are uncertain of the exact magnitude of utilization changes that will occur during the rating period. The risk corridor will both protect the broker from financial harm, while also guarding against a potentially large unearned windfall.

#### *Description*

For the current rating period, the risk corridor is outlined in the statement of work. It is symmetrical and provides for the broker to retain at most 2% of overall gains or less. The profits and losses are allocated as follows:

- Profits or losses for the first 1.5% are at the full risk of the broker
- Profits or losses for the subsequent 1% are shared equally between the state and the broker
- Profits or losses beyond the first 2.5% revert to the state

## C. DELIVERY SYSTEM AND PROVIDER PAYMENT INITIATIVES

There are no directed payments arrangements or pass-through payments applicable to this program.

## 5. Projected non-benefit costs

In accordance with 42 CFR 438.5(e), the non-benefit component of the capitation rate includes reasonable, appropriate and attainable expenses related to operation of the NEMT managed care program.

This section provides documentation of the data, assumptions and methodology that we utilized to develop the non-benefit cost component of the capitation rate.

### Overview

Milliman has developed the non-benefit cost as a per member per month dollar amount for each rate cell. We have also developed non-benefit per member costs for each of the three scenarios outlined in this report: the “base”, the “MLTSS excluded” scenario, and the “All NF excluded” scenario, which can be found in Figure 3 below. Different non-benefit amounts were developed for each of these scenarios as it is expected that as the size of the program and the average member profile changes, the expected non-benefit costs in the program will change as well. As with other items in this preliminary rate development, we will revisit these non-benefit cost allowance prior to the July 2024 to June 2025 rating period if material changes are made to the program.

**FIGURE 3: NON-BENEFIT PMPM COSTS BY RATE CELL**

RATE CELL	BASE	MLTSS EXCLUDED	ALL NF EXCLUDED
Nursing Home and Waiver PD	\$ 6.45	\$ 11.33	\$ 10.50
Other Institutional, Waiver ID, and Full Duals	1.71	2.09	2.39
Foster and Other Non-Dual Disabled	0.53	0.60	0.67
Low-Income Family	0.01	0.01	0.02
<b>Composite*</b>	<b>\$ 2.50</b>	<b>\$ 2.08</b>	<b>\$ 2.02</b>

\* Composite PMPM is estimated based on current projected membership for the rating year.

The non-benefit cost amounts provide allowances for the following items:

- Operating costs and other administrative costs as required in the contract
- Provision for additional quality improvement or value-added services
- Margin

### Data

The primary data sources used in the development of the preliminary non-benefit costs are listed below:

- Actual administrative cost information submitted by the current broker, including an income statement, FTE-based analysis, and allocation of corporate expenses. Income statement detail was provided by month for June 2018 through December 2021.
- Requirements in the statement of work and performance expectations under the withhold agreement.

### Assumptions and methodology

In developing the final administrative cost, the actuary has considered the following:

- Size: sufficient enrollees to realize economies of scale
- Tenure: the non-benefit cost developed in this report assumes the benefit of experience with business in the state of Indiana
- Demographic mix of enrollees: includes sub-populations that require additional attention, such as those with long term care, behavioral, or dialysis needs
- Covered services: the covered benefits are limited compared to a comprehensive managed care program
- Nature of the program: the actuary has taken into account the specific administrative requirements of the NEMT program
- Historical administrative cost information provided by the broker



## 6. Risk adjustment and acuity adjustments

There are no risk or acuity adjustments applied to the NEMT capitation rates.

## Limitations

The information contained in this report has been prepared for the State of Indiana, Family and Social Services Administration (FSSA) to provide documentation of the development of actuarially sound rates for the non-emergency transportation (NEMT) services program. The data and information presented may not be appropriate for any other purpose.

It is our understanding that the information contained in this letter will be shared with CMS and may be utilized in a public document. Any distribution of the information should be in its entirety. Any user of the data must possess a certain level of expertise in actuarial science and healthcare modeling so as not to misinterpret the information presented.

Milliman makes no representations or warranties regarding the contents of this correspondence to third parties. Likewise, third parties are instructed that they are to place no reliance upon this correspondence prepared for FSSA by Milliman that would result in the creation of any duty or liability under any theory of law by Milliman or its employees to third parties.

Milliman has relied upon certain data and information provided by the State of Indiana, Family and Social Services Administration and their vendors, primarily the NEMT encounter data and self-reported data provided to FSSA and provided to Milliman by the fiscal agent or directly by the broker. The values presented in this letter are dependent upon this reliance. To the extent that the data was not complete or was inaccurate, the values presented in our report will need to be reviewed for consistency and revised to meet any revised data.

It should be emphasized that capitation rates are a projection of future costs based on a set of assumptions. Results will differ if actual experience is different from the assumptions contained in this report.

The services provided for this project were performed under the signed Consulting Services Agreement between Milliman and FSSA approved January 4, 2022.

Guidelines issued by the American Academy of Actuaries require actuaries to include their professional qualifications in all actuarial communications. The actuaries preparing this report are members of the American Academy of Actuaries, and meet the qualification standards for performing the analyses in this report.

## Appendix 1: Initial RFP Year Rates – All Scenarios

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## APPENDIX 1: INITIAL RFP YEAR RATES – ALL SCENARIOS

Contract Year: July 2024 to June 2025

RATE CELL	BASE		MLTSS EXCLUDED		ALL NF EXCLUDED	
	PROJECTED MEMBER MONTHS	CAPITATION RATE	PROJECTED MEMBER MONTHS	CAPITATION RATE	PROJECTED MEMBER MONTHS	CAPITATION RATE
Nursing Home and Waiver PD	881,989	\$ 23.90	181,528	\$ 37.76	141,719	\$ 31.82
Other Institutional, Waiver ID, and Full Duals	1,739,372	6.33	1,061,436	6.96	1,060,973	7.24
Foster and Other Non-Dual Disabled	391,710	1.97	390,415	1.98	390,273	2.02
Low-Income Family	531,286	0.05	531,286	0.05	531,286	0.05
<b>Composite</b>	<b>3,544,357</b>	<b>\$ 9.28</b>	<b>2,164,664</b>	<b>\$ 6.95</b>	<b>2,124,251</b>	<b>\$ 6.12</b>

## Appendix 2: Covered services

## APPENDIX 2: COVERED SERVICES

### State of Indiana, Family and Social Services Administration Non-emergency transportation - covered services

Procedure		Description
Code	Modifier	
Taxi codes and related (ambulatory patients, non-emergency)		
A0100		NEMT taxi
A0100	TK UB	NEMT taxi, extra passenger, 6-10 miles
A0100	TK UC	NEMT taxi, extra passenger, 11+ miles
A0100	TT UC	NEMT taxi, multiple patients, 11+ miles
A0100	U4	NEMT taxi, suburban territory
A0100	UA	NEMT taxi, 0-5 miles
A0100	UB	NEMT taxi, 6-10 miles
A0100	UC	NEMT taxi, 11+ miles
T2001		NEMT, patient attendant/escort
T2003		NEMT encounter/trip
T2003	SE	NEMT encounter/trip, state/federally funded
T2004		NEMT commercial carrier, multi-pass
T2004	XE	NEMT commercial carrier, multi-pass, separate encounter
T2007		Transportation waiting time, half hour
T2007	SE	Transportation waiting time, state/federally funded
T2007	U3	Transportation waiting time, CAS
T2007	U5	Transportation waiting time, NAS
Gas and bus		
A0090		NEMT, vehicle provided by individual
A0110		NEMT bus trip
Wheelchair van		
A0130		NEMT wheelchair van
A0130	TK	NEMT wheelchair van, extra passenger
A0130	TT	NEMT wheelchair van, multiple patients
A0130	U6	NEMT wheelchair van; extra attendant
Ambulance, non-emergency		
A0424		Extra ambulance attendant
A0426		Nonemergency transport, ALS
A0428		Nonemergency transport, BLS
Ambulance mileage codes, emergency and non-emergency		
A0425		Ground mileage
A0425	SE	Ground mileage, state/federally funded
A0425	U1	Ground mileage, ALS
A0425	U1 / U2	Ground mileage
A0425	U1 / U3	Ground mileage
A0425	U2	Ground mileage, BLS
A0425	U3	Ground mileage, CAS
A0425	U5	Ground mileage, NAS

Services must provide transport to or from a covered medical service. In addition to the transport services listed above, the Indiana Health Coverage Program (IHCP) also covers public transportation, gas reimbursement, and food and lodging. The relevant section of the state plan is available online:

[http://provider.indianamedicaid.com/ihcp/StatePlan/Attachments\\_and\\_Supplements/Section\\_3/3.1d.pdf](http://provider.indianamedicaid.com/ihcp/StatePlan/Attachments_and_Supplements/Section_3/3.1d.pdf)

## Appendix 3: NEMT actuarial cost models - Base

### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 1: Nursing facility, hospice, and waiver enrollees with physical disabilities

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		664,862									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	2,886.16	\$ 31.41	\$ 7.55	1.0334	2,886.16	\$ 32.46	\$ 7.81	1.0022	1.0025	2,892.59	\$ 32.54	\$ 7.84
Ambulance (non-emergency)	266.98	99.78	2.22	1.0000	266.98	99.78	2.22	1.0022	1.0025	267.57	100.03	2.23
Commercial - taxi	47.63	25.33	0.10	1.0000	47.63	25.33	0.10	1.0022	1.0025	47.74	25.39	0.10
Other Commercial	1,780.07	17.70	2.63	1.0178	1,780.07	18.02	2.67	1.0022	1.0025	1,784.03	18.06	2.69
Subtotal	4,980.84	\$ 30.12	\$ 12.50		4,980.84	\$ 30.84	\$ 12.80			4,991.93	\$ 30.91	\$ 12.86
Add-ons												
Mileage	15,549.16	\$ 1.71	\$ 2.21	1.0000	15,549.16	\$ 1.71	\$ 2.21	1.0022	1.0025	15,583.81	\$ 1.71	\$ 2.22
Other Add-ons	545.92	10.50	0.48	1.0000	545.92	10.50	0.48	1.0022	1.0025	547.14	10.53	0.48
Subtotal	16,095.09	\$ 2.01	\$ 2.69		16,095.09	\$ 2.01	\$ 2.69			16,130.95	\$ 2.01	\$ 2.70
Other Travel Expenses												
EDW												
Gas Reimbursement	0.05	\$ 102.69	\$ 0.00	1.0000	0.05	\$ 102.69	\$ 0.00	1.0022	1.0025	0.05	\$ 102.95	\$ 0.00
Public Transit	0.05	125.00	0.00	1.0000	0.05	125.00	0.00	1.0022	1.0025	0.05	125.32	0.00
EDW Subtotal	0.11	\$ 113.85	\$ 0.00		0.11	\$ 113.85	\$ 0.00			0.11	\$ 114.14	\$ 0.00
Non-EDW												
Gas Reimbursement	2,624.70	\$ 0.40	\$ 0.09	1.0000	2,624.70	\$ 0.40	\$ 0.09	1.0000	1.0000	2,624.70	\$ 0.40	\$ 0.09
Public Transit	82.49	1.98	0.01	1.0000	82.49	1.98	0.01	1.0000	1.0000	82.49	1.98	0.01
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	2,707.19	\$ 0.45	\$ 0.10		2,707.19	\$ 0.45	\$ 0.10			2,707.19	\$ 0.45	\$ 0.10
Total Benefit Cost	23,783.22	\$ 7.72	\$ 15.29		23,783.22	\$ 7.87	\$ 15.59			23,830.18	\$ 7.89	\$ 15.67



### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 1: Nursing facility, hospice, and waiver enrollees with physical disabilities (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	2,892.59	\$ 32.54	\$ 7.84	1.0337	1.0858	2,990.14	\$ 35.33	\$ 8.80
Ambulance (non-emergency)	267.57	100.03	2.23	1.0337	1.0337	276.60	103.41	2.38
Commercial - taxi	47.74	25.39	0.10	1.0168	1.0337	48.54	26.25	0.11
Other Commercial	1,784.03	18.06	2.69	1.0000	1.1766	1,784.03	21.25	3.16
<b>Subtotal</b>	<b>4,991.93</b>	<b>\$ 30.91</b>	<b>\$ 12.86</b>			<b>5,099.31</b>	<b>\$ 34.01</b>	<b>\$ 14.45</b>
<b>Add-ons</b>								
Mileage	15,583.81	\$ 1.71	\$ 2.22	1.0337	1.0337	16,109.36	\$ 1.77	\$ 2.38
Other Add-ons	547.14	10.53	0.48	1.0337	1.0337	565.59	10.88	0.51
<b>Subtotal</b>	<b>16,130.95</b>	<b>\$ 2.01</b>	<b>\$ 2.70</b>			<b>16,674.95</b>	<b>\$ 2.08</b>	<b>\$ 2.89</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.05	\$ 102.95	\$ 0.00	1.0000	1.0000	0.05	\$ 102.95	\$ 0.00
Public Transit	0.05	125.32	0.00	1.0000	1.0000	0.05	125.32	0.00
<b>EDW Subtotal</b>	<b>0.11</b>	<b>\$ 114.14</b>	<b>\$ 0.00</b>			<b>0.11</b>	<b>\$ 114.14</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	2,624.70	\$ 0.40	\$ 0.09	1.0000	1.0000	2,624.70	\$ 0.40	\$ 0.09
Public Transit	82.49	1.98	0.01	1.0000	1.0000	82.49	1.98	0.01
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>2,707.19</b>	<b>\$ 0.45</b>	<b>\$ 0.10</b>			<b>2,707.19</b>	<b>\$ 0.45</b>	<b>\$ 0.10</b>
<b>Total Benefit Cost</b>	<b>23,830.18</b>	<b>\$ 7.89</b>	<b>\$ 15.67</b>			<b>24,481.55</b>	<b>\$ 8.55</b>	<b>\$ 17.44</b>

APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 2: Other institutional, waiver enrollees with intellectual disabilities, and full benefit dual eligibles

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months: 1,667,387											
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	192.48	\$ 32.49	\$ 0.52	1.0296	192.48	\$ 33.45	\$ 0.54	1.0022	1.0025	192.91	\$ 33.53	\$ 0.54
Ambulance (non-emergency)	8.51	94.21	0.07	1.0000	8.51	94.21	0.07	1.0022	1.0025	8.53	94.45	0.07
Commercial - taxi	40.94	25.12	0.09	1.0000	40.94	25.12	0.09	1.0022	1.0025	41.03	25.18	0.09
Other Commercial	1,389.01	18.20	2.11	1.0163	1,389.01	18.49	2.14	1.0022	1.0025	1,392.11	18.54	2.15
Subtotal	1,630.95	\$ 20.45	\$ 2.78		1,630.95	\$ 20.82	\$ 2.83			1,634.58	\$ 20.87	\$ 2.84
Add-ons												
Mileage	10,042.26	\$ 1.30	\$ 1.09	1.0000	10,042.26	\$ 1.30	\$ 1.09	1.0022	1.0025	10,064.64	\$ 1.30	\$ 1.09
Other Add-ons	409.73	3.51	0.12	1.0000	409.73	3.51	0.12	1.0022	1.0025	410.64	3.52	0.12
Subtotal	10,451.99	\$ 1.39	\$ 1.21		10,451.99	\$ 1.39	\$ 1.21			10,475.28	\$ 1.39	\$ 1.21
Other Travel Expenses												
EDW												
Gas Reimbursement	0.03	\$ 67.70	\$ 0.00	1.0000	0.03	\$ 67.70	\$ 0.00	1.0022	1.0025	0.03	\$ 67.87	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	0.03	\$ 67.70	\$ 0.00		0.03	\$ 67.70	\$ 0.00			0.03	\$ 67.87	\$ 0.00
Non-EDW												
Gas Reimbursement	688.71	\$ 0.40	\$ 0.02	1.0000	688.71	\$ 0.40	\$ 0.02	1.0000	1.0000	688.71	\$ 0.40	\$ 0.02
Public Transit	21.64	1.98	0.00	1.0000	21.64	1.98	0.00	1.0000	1.0000	21.64	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	710.35	\$ 0.45	\$ 0.03		710.35	\$ 0.45	\$ 0.03			710.35	\$ 0.45	\$ 0.03
Total Benefit Cost	12,793.32	\$ 3.76	\$ 4.01		12,793.32	\$ 3.81	\$ 4.06			12,820.24	\$ 3.82	\$ 4.08

### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 2: Other institutional, waiver enrollees with intellectual disabilities, and full benefit dual eligibles (Continued)

Category of Service	Completed Data			Utilization		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	192.91	\$ 33.53	\$ 0.54	1.0337	1.0858	199.42	\$ 36.41	\$ 0.61
Ambulance (non-emergency)	8.53	94.45	0.07	1.0337	1.0337	8.82	97.64	0.07
Commercial - taxi	41.03	25.18	0.09	1.0168	1.0337	41.71	26.03	0.09
Other Commercial	1,392.11	18.54	2.15	1.0000	1.1766	1,392.11	21.82	2.53
<b>Subtotal</b>	<b>1,634.58</b>	<b>\$ 20.87</b>	<b>\$ 2.84</b>			<b>1,642.06</b>	<b>\$ 24.10</b>	<b>\$ 3.30</b>
<b>Add-ons</b>								
Mileage	10,064.64	\$ 1.30	\$ 1.09	1.0337	1.0337	10,404.06	\$ 1.35	\$ 1.17
Other Add-ons	410.64	3.52	0.12	1.0337	1.0337	424.49	3.64	0.13
<b>Subtotal</b>	<b>10,475.28</b>	<b>\$ 1.39</b>	<b>\$ 1.21</b>			<b>10,828.54</b>	<b>\$ 1.44</b>	<b>\$ 1.30</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.03	\$ 67.87	\$ 0.00	1.0000	1.0000	0.03	\$ 67.87	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>0.03</b>	<b>\$ 67.87</b>	<b>\$ 0.00</b>			<b>0.03</b>	<b>\$ 67.87</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	688.71	\$ 0.40	\$ 0.02	1.0000	1.0000	688.71	\$ 0.40	\$ 0.02
Public Transit	21.64	1.98	0.00	1.0000	1.0000	21.64	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>710.35</b>	<b>\$ 0.45</b>	<b>\$ 0.03</b>			<b>710.35</b>	<b>\$ 0.45</b>	<b>\$ 0.03</b>
<b>Total Benefit Cost</b>	<b>12,820.24</b>	<b>\$ 3.82</b>	<b>\$ 4.08</b>			<b>13,180.99</b>	<b>\$ 4.21</b>	<b>\$ 4.62</b>

### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 3: Foster children and other non-dual eligible individuals with disabilities

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		397,848									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	27.12	\$ 33.35	\$ 0.08	1.0323	27.12	\$ 34.42	\$ 0.08	1.0022	1.0025	27.18	\$ 34.51	\$ 0.08
Ambulance (non-emergency)	10.13	99.29	0.08	1.0000	10.13	99.29	0.08	1.0022	1.0025	10.16	99.54	0.08
Commercial - taxi	15.23	23.91	0.03	1.0000	15.23	23.91	0.03	1.0022	1.0025	15.27	23.97	0.03
Other Commercial	293.45	19.78	0.48	1.0223	293.45	20.22	0.49	1.0022	1.0025	294.10	20.27	0.50
Subtotal	345.93	\$ 23.35	\$ 0.67		345.93	\$ 23.81	\$ 0.69			346.70	\$ 23.87	\$ 0.69
Add-ons												
Mileage	5,102.13	\$ 1.33	\$ 0.57	1.0000	5,102.13	\$ 1.33	\$ 0.57	1.0022	1.0025	5,113.50	\$ 1.34	\$ 0.57
Other Add-ons	36.16	7.86	0.02	1.0000	36.16	7.86	0.02	1.0022	1.0025	36.25	7.88	0.02
Subtotal	5,138.29	\$ 1.38	\$ 0.59		5,138.29	\$ 1.38	\$ 0.59			5,149.74	\$ 1.38	\$ 0.59
Other Travel Expenses												
EDW												
Gas Reimbursement	0.03	\$ 186.32	\$ 0.00	1.0000	0.03	\$ 186.32	\$ 0.00	1.0022	1.0025	0.03	\$ 186.79	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	0.03	\$ 186.32	\$ 0.00		0.03	\$ 186.32	\$ 0.00			0.03	\$ 186.79	\$ 0.00
Non-EDW												
Gas Reimbursement	218.34	\$ 0.40	\$ 0.01	1.0000	218.34	\$ 0.40	\$ 0.01	1.0000	1.0000	218.34	\$ 0.40	\$ 0.01
Public Transit	6.86	1.98	0.00	1.0000	6.86	1.98	0.00	1.0000	1.0000	6.86	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	225.20	\$ 0.45	\$ 0.01		225.20	\$ 0.45	\$ 0.01			225.20	\$ 0.45	\$ 0.01
Total Benefit Cost	5,709.46	\$ 2.67	\$ 1.27		5,709.46	\$ 2.70	\$ 1.29			5,721.67	\$ 2.71	\$ 1.29

### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 3: Foster children and other non-dual eligible individuals with disabilities (Continued)

Category of Service	Completed Data			Utilization Trend    Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	27.18	\$ 34.51	\$ 0.08	1.0337	1.0858	28.09	\$ 37.47	\$ 0.09
Ambulance (non-emergency)	10.16	99.54	0.08	1.0337	1.0337	10.50	102.89	0.09
Commercial - taxi	15.27	23.97	0.03	1.0168	1.0337	15.52	24.78	0.03
Other Commercial	294.10	20.27	0.50	1.0000	1.1766	294.10	23.85	0.58
<b>Subtotal</b>	<b>346.70</b>	<b>\$ 23.87</b>	<b>\$ 0.69</b>			<b>348.22</b>	<b>\$ 27.37</b>	<b>\$ 0.79</b>
<b>Add-ons</b>								
Mileage	5,113.50	\$ 1.34	\$ 0.57	1.0337	1.0337	5,285.94	\$ 1.38	\$ 0.61
Other Add-ons	36.25	7.88	0.02	1.0337	1.0337	37.47	8.15	0.03
<b>Subtotal</b>	<b>5,149.74</b>	<b>\$ 1.38</b>	<b>\$ 0.59</b>			<b>5,323.41</b>	<b>\$ 1.43</b>	<b>\$ 0.63</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.03	\$ 186.79	\$ 0.00	1.0000	1.0000	0.03	\$ 186.79	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>0.03</b>	<b>\$ 186.79</b>	<b>\$ 0.00</b>			<b>0.03</b>	<b>\$ 186.79</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	218.34	\$ 0.40	\$ 0.01	1.0000	1.0000	218.34	\$ 0.40	\$ 0.01
Public Transit	6.86	1.98	0.00	1.0000	1.0000	6.86	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>225.20</b>	<b>\$ 0.45</b>	<b>\$ 0.01</b>			<b>225.20</b>	<b>\$ 0.45</b>	<b>\$ 0.01</b>
<b>Total Benefit Cost</b>	<b>5,721.67</b>	<b>\$ 2.71</b>	<b>\$ 1.29</b>			<b>5,896.86</b>	<b>\$ 2.92</b>	<b>\$ 1.44</b>

### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 4: Low income family members

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		433,206									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	0.14	\$ 25.80	\$ 0.00	1.2930	0.14	\$ 33.36	\$ 0.00	1.0022	1.0025	0.14	\$ 33.44	\$ 0.00
Ambulance (non-emergency)	0.17	95.84	0.00	1.0000	0.17	95.84	0.00	1.0022	1.0025	0.17	96.08	0.00
Commercial - taxi	0.55	27.75	0.00	1.0000	0.55	27.75	0.00	1.0022	1.0025	0.56	27.82	0.00
Other Commercial	4.76	34.90	0.01	1.0082	4.76	35.18	0.01	1.0022	1.0025	4.78	35.27	0.01
Subtotal	5.62	\$ 35.77	\$ 0.02		5.62	\$ 36.20	\$ 0.02			5.64	\$ 36.29	\$ 0.02
Add-ons												
Mileage	70.28	\$ 1.68	\$ 0.01	1.0000	70.28	\$ 1.68	\$ 0.01	1.0022	1.0025	70.43	\$ 1.68	\$ 0.01
Other Add-ons	3.88	7.77	0.00	1.0000	3.88	7.77	0.00	1.0022	1.0025	3.89	7.79	0.00
Subtotal	74.15	\$ 2.00	\$ 0.01		74.15	\$ 2.00	\$ 0.01			74.32	\$ 2.00	\$ 0.01
Other Travel Expenses												
EDW												
Gas Reimbursement	-	\$ 0.00	\$ 0.00	1.0000	-	\$ 0.00	\$ 0.00	1.0022	1.0025	-	\$ 0.00	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	-	\$ 0.00	\$ 0.00		-	\$ 0.00	\$ 0.00			-	\$ 0.00	\$ 0.00
Non-EDW												
Gas Reimbursement	5.03	\$ 0.40	\$ 0.00	1.0000	5.03	\$ 0.40	\$ 0.00	1.0000	1.0000	5.03	\$ 0.40	\$ 0.00
Public Transit	0.16	1.98	0.00	1.0000	0.16	1.98	0.00	1.0000	1.0000	0.16	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	5.19	\$ 0.45	\$ 0.00		5.19	\$ 0.45	\$ 0.00			5.19	\$ 0.45	\$ 0.00
Total Benefit Cost	84.96	\$ 4.14	\$ 0.03		84.96	\$ 4.17	\$ 0.03			85.14	\$ 4.18	\$ 0.03

### APPENDIX 3: NEMT ACTUARIAL COST MODELS - BASE

Contract Year: July 2024 to June 2025

Tier 4: Low income family members (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	0.14	\$ 33.44	\$ 0.00	1.0337	1.0858	0.14	\$ 36.31	\$ 0.00
Ambulance (non-emergency)	0.17	96.08	0.00	1.0337	1.0337	0.17	99.32	0.00
Commercial - taxi	0.56	27.82	0.00	1.0168	1.0337	0.56	28.76	0.00
Other Commercial	4.78	35.27	0.01	1.0000	1.1766	4.78	41.50	0.02
<b>Subtotal</b>	<b>5.64</b>	<b>\$ 36.29</b>	<b>\$ 0.02</b>			<b>5.66</b>	<b>\$ 41.86</b>	<b>\$ 0.02</b>
<b>Add-ons</b>								
Mileage	70.43	\$ 1.68	\$ 0.01	1.0337	1.0337	72.81	\$ 1.74	\$ 0.01
Other Add-ons	3.89	7.79	0.00	1.0337	1.0337	4.02	8.05	0.00
<b>Subtotal</b>	<b>74.32</b>	<b>\$ 2.00</b>	<b>\$ 0.01</b>			<b>76.83</b>	<b>\$ 2.07</b>	<b>\$ 0.01</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	-	\$ 0.00	\$ 0.00	1.0000	1.0000	-	\$ 0.00	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>-</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>			<b>-</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	5.03	\$ 0.40	\$ 0.00	1.0000	1.0000	5.03	\$ 0.40	\$ 0.00
Public Transit	0.16	1.98	0.00	1.0000	1.0000	0.16	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>5.19</b>	<b>\$ 0.45</b>	<b>\$ 0.00</b>			<b>5.19</b>	<b>\$ 0.45</b>	<b>\$ 0.00</b>
<b>Total Benefit Cost</b>	<b>85.14</b>	<b>\$ 4.18</b>	<b>\$ 0.03</b>			<b>87.67</b>	<b>\$ 4.54</b>	<b>\$ 0.03</b>

## Appendix 4: NEMT Actuarial Cost Models – MLTSS Excluded

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#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 1: Nursing facility, hospice, and waiver enrollees with physical disabilities

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		156,047		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
	Utilization per 1,000	Cost per Unit	PMPM									
Trips												
Wheelchair van	3,476.57	\$ 30.91	\$ 8.95	1.0305	3,476.57	\$ 31.85	\$ 9.23	1.0022	1.0025	3,484.31	\$ 31.93	\$ 9.27
Ambulance (non-emergency)	456.40	105.42	4.01	1.0000	456.40	105.42	4.01	1.0022	1.0025	457.42	105.69	4.03
Commercial - taxi	86.36	25.59	0.18	1.0000	86.36	25.59	0.18	1.0022	1.0025	86.55	25.66	0.19
Other Commercial	3,005.94	18.19	4.56	1.0241	3,005.94	18.63	4.67	1.0022	1.0025	3,012.64	18.68	4.69
Subtotal	7,025.27	\$ 30.24	\$ 17.70		7,025.27	\$ 30.90	\$ 18.09			7,040.92	\$ 30.97	\$ 18.17
Add-ons												
Mileage	32,227.83	\$ 1.78	\$ 4.79	1.0000	32,227.83	\$ 1.78	\$ 4.79	1.0022	1.0025	32,299.64	\$ 1.79	\$ 4.82
Other Add-ons	881.89	9.61	0.71	1.0000	881.89	9.61	0.71	1.0022	1.0025	883.85	9.64	0.71
Subtotal	33,109.72	\$ 1.99	\$ 5.50		33,109.72	\$ 1.99	\$ 5.50			33,183.49	\$ 2.00	\$ 5.53
Other Travel Expenses												
EDW												
Gas Reimbursement	0.08	\$ 163.20	\$ 0.00	1.0000	0.08	\$ 163.20	\$ 0.00	1.0022	1.0025	0.08	\$ 163.61	\$ 0.00
Public Transit	0.15	125.00	0.00	1.0000	0.15	125.00	0.00	1.0022	1.0025	0.15	125.32	0.00
EDW Subtotal	0.23	\$ 137.73	\$ 0.00		0.23	\$ 137.73	\$ 0.00			0.23	\$ 138.08	\$ 0.00
Non-EDW												
Gas Reimbursement	2,624.70	\$ 0.40	\$ 0.09	1.0000	2,624.70	\$ 0.40	\$ 0.09	1.0000	1.0000	2,624.70	\$ 0.40	\$ 0.09
Public Transit	82.49	1.98	0.01	1.0000	82.49	1.98	0.01	1.0000	1.0000	82.49	1.98	0.01
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	2,707.19	\$ 0.45	\$ 0.10		2,707.19	\$ 0.45	\$ 0.10			2,707.19	\$ 0.45	\$ 0.10
Total Benefit Cost	42,842.40	\$ 6.53	\$ 23.31		42,842.40	\$ 6.64	\$ 23.69			42,931.83	\$ 6.65	\$ 23.80

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 1: Nursing facility, hospice, and waiver enrollees with physical disabilities (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	3,484.31	\$ 31.93	\$ 9.27	1.0337	1.0858	3,601.82	\$ 34.67	\$ 10.41
Ambulance (non-emergency)	457.42	105.69	4.03	1.0337	1.0337	472.84	109.26	4.31
Commercial - taxi	86.55	25.66	0.19	1.0168	1.0337	88.00	26.53	0.19
Other Commercial	3,012.64	18.68	4.69	1.0000	1.1766	3,012.64	21.97	5.52
<b>Subtotal</b>	<b>7,040.92</b>	<b>\$ 30.97</b>	<b>\$ 18.17</b>			<b>7,175.30</b>	<b>\$ 34.15</b>	<b>\$ 20.42</b>
<b>Add-ons</b>								
Mileage	32,299.64	\$ 1.79	\$ 4.82	1.0337	1.0337	33,388.91	\$ 1.85	\$ 5.15
Other Add-ons	883.85	9.64	0.71	1.0337	1.0337	913.66	9.96	0.76
<b>Subtotal</b>	<b>33,183.49</b>	<b>\$ 2.00</b>	<b>\$ 5.53</b>			<b>34,302.57</b>	<b>\$ 2.07</b>	<b>\$ 5.90</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.08	\$ 163.61	\$ 0.00	1.0000	1.0000	0.08	\$ 163.61	\$ 0.00
Public Transit	0.15	125.32	0.00	1.0000	1.0000	0.15	125.32	0.00
<b>EDW Subtotal</b>	<b>0.23</b>	<b>\$ 138.08</b>	<b>\$ 0.00</b>			<b>0.23</b>	<b>\$ 138.08</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	2,624.70	\$ 0.40	\$ 0.09	1.0000	1.0000	2,624.70	\$ 0.40	\$ 0.09
Public Transit	82.49	1.98	0.01	1.0000	1.0000	82.49	1.98	0.01
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>2,707.19</b>	<b>\$ 0.45</b>	<b>\$ 0.10</b>			<b>2,707.19</b>	<b>\$ 0.45</b>	<b>\$ 0.10</b>
<b>Total Benefit Cost</b>	<b>42,931.83</b>	<b>\$ 6.65</b>	<b>\$ 23.80</b>			<b>44,185.29</b>	<b>\$ 7.18</b>	<b>\$ 26.43</b>

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 2: Other institutional, waiver enrollees with intellectual disabilities, and full benefit dual eligible

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months: 1,017,508											
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	177.59	\$ 32.74	\$ 0.48	1.0243	177.59	\$ 33.53	\$ 0.50	1.0022	1.0025	177.98	\$ 33.62	\$ 0.50
Ambulance (non-emergency)	5.64	95.88	0.05	1.0000	5.64	95.88	0.05	1.0022	1.0025	5.65	96.12	0.05
Commercial - taxi	34.04	25.83	0.07	1.0000	34.04	25.83	0.07	1.0022	1.0025	34.11	25.90	0.07
Other Commercial	1,386.07	18.69	2.16	1.0149	1,386.07	18.97	2.19	1.0022	1.0025	1,389.16	19.02	2.20
Subtotal	1,603.33	\$ 20.67	\$ 2.76		1,603.33	\$ 21.00	\$ 2.81			1,606.90	\$ 21.05	\$ 2.82
Add-ons												
Mileage	12,183.02	\$ 1.29	\$ 1.31	1.0000	12,183.02	\$ 1.29	\$ 1.31	1.0022	1.0025	12,210.16	\$ 1.30	\$ 1.32
Other Add-ons	592.18	3.08	0.15	1.0000	592.18	3.08	0.15	1.0022	1.0025	593.50	3.08	0.15
Subtotal	12,775.19	\$ 1.38	\$ 1.46		12,775.19	\$ 1.38	\$ 1.46			12,803.66	\$ 1.38	\$ 1.47
Other Travel Expenses												
EDW												
Gas Reimbursement	0.01	\$ 15.81	\$ 0.00	1.0000	0.01	\$ 15.81	\$ 0.00	1.0022	1.0025	0.01	\$ 15.85	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	0.01	\$ 15.81	\$ 0.00		0.01	\$ 15.81	\$ 0.00			0.01	\$ 15.85	\$ 0.00
Non-EDW												
Gas Reimbursement	688.71	\$ 0.40	\$ 0.02	1.0000	688.71	\$ 0.40	\$ 0.02	1.0000	1.0000	688.71	\$ 0.40	\$ 0.02
Public Transit	21.64	1.98	0.00	1.0000	21.64	1.98	0.00	1.0000	1.0000	21.64	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	710.35	\$ 0.45	\$ 0.03		710.35	\$ 0.45	\$ 0.03			710.35	\$ 0.45	\$ 0.03
Total Benefit Cost	15,088.89	\$ 3.38	\$ 4.25		15,088.89	\$ 3.42	\$ 4.30			15,120.93	\$ 3.43	\$ 4.32

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 2: Other institutional, waiver enrollees with intellectual disabilities, and full benefit dual eligible (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	177.98	\$ 33.62	\$ 0.50	1.0337	1.0858	183.98	\$ 36.50	\$ 0.56
Ambulance (non-emergency)	5.65	96.12	0.05	1.0337	1.0337	5.84	99.36	0.05
Commercial - taxi	34.11	25.90	0.07	1.0168	1.0337	34.68	26.77	0.08
Other Commercial	1,389.16	19.02	2.20	1.0000	1.1766	1,389.16	22.37	2.59
<b>Subtotal</b>	<b>1,606.90</b>	<b>\$ 21.05</b>	<b>\$ 2.82</b>			<b>1,613.67</b>	<b>\$ 24.36</b>	<b>\$ 3.28</b>
<b>Add-ons</b>								
Mileage	12,210.16	\$ 1.30	\$ 1.32	1.0337	1.0337	12,621.94	\$ 1.34	\$ 1.41
Other Add-ons	593.50	3.08	0.15	1.0337	1.0337	613.51	3.19	0.16
<b>Subtotal</b>	<b>12,803.66</b>	<b>\$ 1.38</b>	<b>\$ 1.47</b>			<b>13,235.45</b>	<b>\$ 1.43</b>	<b>\$ 1.57</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.01	\$ 15.85	\$ 0.00	1.0000	1.0000	0.01	\$ 15.85	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>0.01</b>	<b>\$ 15.85</b>	<b>\$ 0.00</b>			<b>0.01</b>	<b>\$ 15.85</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	688.71	\$ 0.40	\$ 0.02	1.0000	1.0000	688.71	\$ 0.40	\$ 0.02
Public Transit	21.64	1.98	0.00	1.0000	1.0000	21.64	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>710.35</b>	<b>\$ 0.45</b>	<b>\$ 0.03</b>			<b>710.35</b>	<b>\$ 0.45</b>	<b>\$ 0.03</b>
<b>Total Benefit Cost</b>	<b>15,120.93</b>	<b>\$ 3.43</b>	<b>\$ 4.32</b>			<b>15,559.48</b>	<b>\$ 3.76</b>	<b>\$ 4.87</b>

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 3: Foster children and other non-dual eligible individuals with disabilities

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		396,533									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	25.66	\$ 33.53	\$ 0.07	1.0274	25.66	\$ 34.45	\$ 0.07	1.0022	1.0025	25.72	\$ 34.54	\$ 0.07
Ambulance (non-emergency)	7.32	99.64	0.06	1.0000	7.32	99.64	0.06	1.0022	1.0025	7.34	99.89	0.06
Commercial - taxi	14.53	23.44	0.03	1.0000	14.53	23.44	0.03	1.0022	1.0025	14.56	23.50	0.03
Other Commercial	290.85	19.85	0.48	1.0225	290.85	20.29	0.49	1.0022	1.0025	291.50	20.35	0.49
Subtotal	338.36	\$ 22.77	\$ 0.64		338.36	\$ 23.22	\$ 0.65			339.12	\$ 23.28	\$ 0.66
Add-ons												
Mileage	5,049.27	\$ 1.32	\$ 0.55	1.0000	5,049.27	\$ 1.32	\$ 0.55	1.0022	1.0025	5,060.52	\$ 1.32	\$ 0.56
Other Add-ons	36.04	7.85	0.02	1.0000	36.04	7.85	0.02	1.0022	1.0025	36.12	7.87	0.02
Subtotal	5,085.31	\$ 1.36	\$ 0.58		5,085.31	\$ 1.36	\$ 0.58			5,096.64	\$ 1.37	\$ 0.58
Other Travel Expenses												
EDW												
Gas Reimbursement	0.03	\$ 186.32	\$ 0.00	1.0000	0.03	\$ 186.32	\$ 0.00	1.0022	1.0025	0.03	\$ 186.79	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	0.03	\$ 186.32	\$ 0.00		0.03	\$ 186.32	\$ 0.00			0.03	\$ 186.79	\$ 0.00
Non-EDW												
Gas Reimbursement	218.34	\$ 0.40	\$ 0.01	1.0000	218.34	\$ 0.40	\$ 0.01	1.0000	1.0000	218.34	\$ 0.40	\$ 0.01
Public Transit	6.86	1.98	0.00	1.0000	6.86	1.98	0.00	1.0000	1.0000	6.86	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	225.20	\$ 0.45	\$ 0.01		225.20	\$ 0.45	\$ 0.01			225.20	\$ 0.45	\$ 0.01
Total Benefit Cost	5,648.91	\$ 2.61	\$ 1.23		5,648.91	\$ 2.64	\$ 1.24			5,660.99	\$ 2.64	\$ 1.25

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 3: Foster children and other non-dual eligible individuals with disabilities (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips								
Wheelchair van	25.72	\$ 34.54	\$ 0.07	1.0337	1.0858	26.59	\$ 37.50	\$ 0.08
Ambulance (non-emergency)	7.34	99.89	0.06	1.0337	1.0337	7.59	103.26	0.07
Commercial - taxi	14.56	23.50	0.03	1.0168	1.0337	14.80	24.29	0.03
Other Commercial	291.50	20.35	0.49	1.0000	1.1766	291.50	23.94	0.58
<b>Subtotal</b>	<b>339.12</b>	<b>\$ 23.28</b>	<b>\$ 0.66</b>			<b>340.48</b>	<b>\$ 26.78</b>	<b>\$ 0.76</b>
Add-ons								
Mileage	5,060.52	\$ 1.32	\$ 0.56	1.0337	1.0337	5,231.18	\$ 1.36	\$ 0.59
Other Add-ons	36.12	7.87	0.02	1.0337	1.0337	37.34	8.13	0.03
<b>Subtotal</b>	<b>5,096.64</b>	<b>\$ 1.37</b>	<b>\$ 0.58</b>			<b>5,268.52</b>	<b>\$ 1.41</b>	<b>\$ 0.62</b>
Other Travel Expenses								
EDW								
Gas Reimbursement	0.03	\$ 186.79	\$ 0.00	1.0000	1.0000	0.03	\$ 186.79	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>0.03</b>	<b>\$ 186.79</b>	<b>\$ 0.00</b>			<b>0.03</b>	<b>\$ 186.79</b>	<b>\$ 0.00</b>
Non-EDW								
Gas Reimbursement	218.34	\$ 0.40	\$ 0.01	1.0000	1.0000	218.34	\$ 0.40	\$ 0.01
Public Transit	6.86	1.98	0.00	1.0000	1.0000	6.86	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>225.20</b>	<b>\$ 0.45</b>	<b>\$ 0.01</b>			<b>225.20</b>	<b>\$ 0.45</b>	<b>\$ 0.01</b>
<b>Total Benefit Cost</b>	<b>5,660.99</b>	<b>\$ 2.64</b>	<b>\$ 1.25</b>			<b>5,834.23</b>	<b>\$ 2.86</b>	<b>\$ 1.39</b>

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 4: Low income family members

Category of Service	Base Data			Fleet Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		433,206									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	0.14	\$ 25.80	\$ 0.00	1.2930	0.14	\$ 33.36	\$ 0.00	1.0022	1.0025	0.14	\$ 33.44	\$ 0.00
Ambulance (non-emergency)	0.17	95.84	0.00	1.0000	0.17	95.84	0.00	1.0022	1.0025	0.17	96.08	0.00
Commercial - taxi	0.55	27.75	0.00	1.0000	0.55	27.75	0.00	1.0022	1.0025	0.56	27.82	0.00
Other Commercial	4.76	34.90	0.01	1.0082	4.76	35.18	0.01	1.0022	1.0025	4.78	35.27	0.01
Subtotal	5.62	\$ 35.77	\$ 0.02		5.62	\$ 36.20	\$ 0.02			5.64	\$ 36.29	\$ 0.02
Add-ons												
Mileage	70.28	\$ 1.68	\$ 0.01	1.0000	70.28	\$ 1.68	\$ 0.01	1.0022	1.0025	70.43	\$ 1.68	\$ 0.01
Other Add-ons	3.88	7.77	0.00	1.0000	3.88	7.77	0.00	1.0022	1.0025	3.89	7.79	0.00
Subtotal	74.15	\$ 2.00	\$ 0.01		74.15	\$ 2.00	\$ 0.01			74.32	\$ 2.00	\$ 0.01
Other Travel Expenses												
EDW												
Gas Reimbursement	-	\$ 0.00	\$ 0.00	1.0000	-	\$ 0.00	\$ 0.00	1.0022	1.0025	-	\$ 0.00	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	-	\$ 0.00	\$ 0.00		-	\$ 0.00	\$ 0.00			-	\$ 0.00	\$ 0.00
Non-EDW												
Gas Reimbursement	5.03	\$ 0.40	\$ 0.00	1.0000	5.03	\$ 0.40	\$ 0.00	1.0000	1.0000	5.03	\$ 0.40	\$ 0.00
Public Transit	0.16	1.98	0.00	1.0000	0.16	1.98	0.00	1.0000	1.0000	0.16	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	5.19	\$ 0.45	\$ 0.00		5.19	\$ 0.45	\$ 0.00			5.19	\$ 0.45	\$ 0.00
Total Benefit Cost	84.96	\$ 4.14	\$ 0.03		84.96	\$ 4.17	\$ 0.03			85.14	\$ 4.18	\$ 0.03

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 4: Low income family members (Continued)

Category of Service	Completed Data			Utilization Trend    Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	0.14	\$ 33.44	\$ 0.00	1.0337	1.0858	0.14	\$ 36.31	\$ 0.00
Ambulance (non-emergency)	0.17	96.08	0.00	1.0337	1.0337	0.17	99.32	0.00
Commercial - taxi	0.56	27.82	0.00	1.0168	1.0337	0.56	28.76	0.00
Other Commercial	4.78	35.27	0.01	1.0000	1.1766	4.78	41.50	0.02
<b>Subtotal</b>	<b>5.64</b>	<b>\$ 36.29</b>	<b>\$ 0.02</b>			<b>5.66</b>	<b>\$ 41.86</b>	<b>\$ 0.02</b>
<b>Add-ons</b>								
Mileage	70.43	\$ 1.68	\$ 0.01	1.0337	1.0337	72.81	\$ 1.74	\$ 0.01
Other Add-ons	3.89	7.79	0.00	1.0337	1.0337	4.02	8.05	0.00
<b>Subtotal</b>	<b>74.32</b>	<b>\$ 2.00</b>	<b>\$ 0.01</b>			<b>76.83</b>	<b>\$ 2.07</b>	<b>\$ 0.01</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	-	\$ 0.00	\$ 0.00	1.0000	1.0000	-	\$ 0.00	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>-</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>			<b>-</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	5.03	\$ 0.40	\$ 0.00	1.0000	1.0000	5.03	\$ 0.40	\$ 0.00
Public Transit	0.16	1.98	0.00	1.0000	1.0000	0.16	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>5.19</b>	<b>\$ 0.45</b>	<b>\$ 0.00</b>			<b>5.19</b>	<b>\$ 0.45</b>	<b>\$ 0.00</b>
<b>Total Benefit Cost</b>	<b>85.14</b>	<b>\$ 4.18</b>	<b>\$ 0.03</b>			<b>87.67</b>	<b>\$ 4.54</b>	<b>\$ 0.03</b>



## Appendix 5: NEMT Actuarial Cost Models – All NF Excluded

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**APPENDIX 5: NEMT ACTUARIAL COST MODELS – ALL NF EXCLUDED**

**Contract Year: July 2024 to June 2025**

**Tier 1: Nursing facility, hospice, and waiver enrollees with physical disabilities**

Category of Service	Base Data			QRV Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		113,925									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	2,949.84	\$ 30.45	\$ 7.48	1.0313	2,949.84	\$ 31.40	\$ 7.72	1.0022	1.0025	2,956.41	\$ 31.48	\$ 7.76
Ambulance (non-emergency)	120.29	100.98	1.01	1.0000	120.29	100.98	1.01	1.0022	1.0025	120.56	101.24	1.02
Commercial - taxi	103.12	25.32	0.22	1.0000	103.12	25.32	0.22	1.0022	1.0025	103.35	25.38	0.22
Other Commercial	3,634.60	18.04	5.46	1.0194	3,634.60	18.39	5.57	1.0022	1.0025	3,642.70	18.44	5.60
Subtotal	6,807.85	\$ 24.99	\$ 14.18		6,807.85	\$ 25.59	\$ 14.52			6,823.02	\$ 25.66	\$ 14.59
Add-ons												
Mileage	30,975.22	\$ 1.38	\$ 3.56	1.0000	30,975.22	\$ 1.38	\$ 3.56	1.0022	1.0025	31,044.24	\$ 1.38	\$ 3.58
Other Add-ons	976.54	8.95	0.73	1.0000	976.54	8.95	0.73	1.0022	1.0025	978.71	8.98	0.73
Subtotal	31,951.76	\$ 1.61	\$ 4.29		31,951.76	\$ 1.61	\$ 4.29			32,022.95	\$ 1.62	\$ 4.31
Other Travel Expenses												
EDW												
Gas Reimbursement	0.11	\$ 163.20	\$ 0.00	1.0000	0.11	\$ 163.20	\$ 0.00	1.0022	1.0025	0.11	\$ 163.61	\$ 0.00
Public Transit	0.21	125.00	0.00	1.0000	0.21	125.00	0.00	1.0022	1.0025	0.21	125.32	0.00
EDW Subtotal	0.32	\$ 137.73	\$ 0.00		0.32	\$ 137.73	\$ 0.00			0.32	\$ 138.08	\$ 0.00
Non-EDW												
Gas Reimbursement	2,624.70	\$ 0.40	\$ 0.09	1.0000	2,624.70	\$ 0.40	\$ 0.09	1.0000	1.0000	2,624.70	\$ 0.40	\$ 0.09
Public Transit	82.49	1.98	0.01	1.0000	82.49	1.98	0.01	1.0000	1.0000	82.49	1.98	0.01
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	2,707.19	\$ 0.45	\$ 0.10		2,707.19	\$ 0.45	\$ 0.10			2,707.19	\$ 0.45	\$ 0.10
Total Benefit Cost	41,467.11	\$ 5.38	\$ 18.58		41,467.11	\$ 5.47	\$ 18.92			41,553.47	\$ 5.49	\$ 19.01

**APPENDIX 5: NEMT ACTUARIAL COST MODELS – ALL NH EXCLUDED**

**Contract Year: July 2024 to June 2025**

**Tier 1: Nursing facility, hospice, and waiver enrollees with physical disabilities (Continued)**

Category of Service	Completed Data			Utilization Trend    Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	2,956.41	\$ 31.48	\$ 7.76	1.0337	1.0858	3,056.11	\$ 34.18	\$ 8.71
Ambulance (non-emergency)	120.56	101.24	1.02	1.0337	1.0337	124.62	104.66	1.09
Commercial - taxi	103.35	25.38	0.22	1.0168	1.0337	105.08	26.24	0.23
Other Commercial	3,642.70	18.44	5.60	1.0000	1.1766	3,642.70	21.69	6.59
<b>Subtotal</b>	<b>6,823.02</b>	<b>\$ 25.66</b>	<b>\$ 14.59</b>			<b>6,928.52</b>	<b>\$ 28.76</b>	<b>\$ 16.61</b>
<b>Add-ons</b>								
Mileage	31,044.24	\$ 1.38	\$ 3.58	1.0337	1.0337	32,091.17	\$ 1.43	\$ 3.83
Other Add-ons	978.71	8.98	0.73	1.0337	1.0337	1,011.72	9.28	0.78
<b>Subtotal</b>	<b>32,022.95</b>	<b>\$ 1.62</b>	<b>\$ 4.31</b>			<b>33,102.89</b>	<b>\$ 1.67</b>	<b>\$ 4.61</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.11	\$ 163.61	\$ 0.00	1.0000	1.0000	0.11	\$ 163.61	\$ 0.00
Public Transit	0.21	125.32	0.00	1.0000	1.0000	0.21	125.32	0.00
<b>EDW Subtotal</b>	<b>0.32</b>	<b>\$ 138.08</b>	<b>\$ 0.00</b>			<b>0.32</b>	<b>\$ 138.08</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	2,624.70	\$ 0.40	\$ 0.09	1.0000	1.0000	2,624.70	\$ 0.40	\$ 0.09
Public Transit	82.49	1.98	0.01	1.0000	1.0000	82.49	1.98	0.01
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>2,707.19</b>	<b>\$ 0.45</b>	<b>\$ 0.10</b>			<b>2,707.19</b>	<b>\$ 0.45</b>	<b>\$ 0.10</b>
<b>Total Benefit Cost</b>	<b>41,553.47</b>	<b>\$ 5.49</b>	<b>\$ 19.01</b>			<b>42,738.91</b>	<b>\$ 5.99</b>	<b>\$ 21.32</b>

## APPENDIX 5: NEMT ACTUARIAL COST MODELS – ALL NH EXCLUDED

Contract Year: July 2024 to June 2025

Tier 2: Other institutional, waiver enrollees with intellectual disabilities, and full benefit dual eligible

Category of Service	Base Data			QRV Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		1,017,064									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	174.84	\$ 32.77	\$ 0.48	1.0245	174.84	\$ 33.57	\$ 0.49	1.0022	1.0025	175.23	\$ 33.66	\$ 0.49
Ambulance (non-emergency)	4.66	95.08	0.04	1.0000	4.66	95.08	0.04	1.0022	1.0025	4.67	95.32	0.04
Commercial - taxi	34.00	25.83	0.07	1.0000	34.00	25.83	0.07	1.0022	1.0025	34.08	25.90	0.07
Other Commercial	1,385.59	18.68	2.16	1.0149	1,385.59	18.96	2.19	1.0022	1.0025	1,388.68	19.01	2.20
Subtotal	1,599.10	\$ 20.59	\$ 2.74		1,599.10	\$ 20.92	\$ 2.79			1,602.66	\$ 20.98	\$ 2.80
Add-ons												
Mileage	12,161.08	\$ 1.29	\$ 1.31	1.0000	12,161.08	\$ 1.29	\$ 1.31	1.0022	1.0025	12,188.18	\$ 1.29	\$ 1.31
Other Add-ons	592.23	3.07	0.15	1.0000	592.23	3.07	0.15	1.0022	1.0025	593.55	3.08	0.15
Subtotal	12,753.32	\$ 1.37	\$ 1.46		12,753.32	\$ 1.37	\$ 1.46			12,781.73	\$ 1.38	\$ 1.46
Other Travel Expenses												
EDW												
Gas Reimbursement	0.01	\$ 15.81	\$ 0.00	1.0000	0.01	\$ 15.81	\$ 0.00	1.0022	1.0025	0.01	\$ 15.85	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	0.01	\$ 15.81	\$ 0.00		0.01	\$ 15.81	\$ 0.00			0.01	\$ 15.85	\$ 0.00
Non-EDW												
Gas Reimbursement	688.71	\$ 0.40	\$ 0.02	1.0000	688.71	\$ 0.40	\$ 0.02	1.0000	1.0000	688.71	\$ 0.40	\$ 0.02
Public Transit	21.64	1.98	0.00	1.0000	21.64	1.98	0.00	1.0000	1.0000	21.64	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	710.35	\$ 0.45	\$ 0.03		710.35	\$ 0.45	\$ 0.03			710.35	\$ 0.45	\$ 0.03
Total Benefit Cost	15,062.78	\$ 3.37	\$ 4.23		15,062.78	\$ 3.40	\$ 4.27			15,094.76	\$ 3.41	\$ 4.29

## APPENDIX 5: NEMT ACTUARIAL COST MODELS – ALL NH EXCLUDED

Contract Year: July 2024 to June 2025

Tier 2: Other institutional, waiver enrollees with intellectual disabilities, and full benefit dual eligible (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips								
Wheelchair van	175.23	\$ 33.66	\$ 0.49	1.0337	1.0858	181.14	\$ 36.54	\$ 0.55
Ambulance (non-emergency)	4.67	95.32	0.04	1.0337	1.0337	4.83	98.54	0.04
Commercial - taxi	34.08	25.90	0.07	1.0168	1.0337	34.65	26.77	0.08
Other Commercial	1,388.68	19.01	2.20	1.0000	1.1766	1,388.68	22.36	2.59
<b>Subtotal</b>	<b>1,602.66</b>	<b>\$ 20.98</b>	<b>\$ 2.80</b>			<b>1,609.30</b>	<b>\$ 24.28</b>	<b>\$ 3.26</b>
Add-ons								
Mileage	12,188.18	\$ 1.29	\$ 1.31	1.0337	1.0337	12,599.21	\$ 1.34	\$ 1.40
Other Add-ons	593.55	3.08	0.15	1.0337	1.0337	613.57	3.18	0.16
<b>Subtotal</b>	<b>12,781.73</b>	<b>\$ 1.38</b>	<b>\$ 1.46</b>			<b>13,212.78</b>	<b>\$ 1.42</b>	<b>\$ 1.57</b>
Other Travel Expenses								
EDW								
Gas Reimbursement	0.01	\$ 15.85	\$ 0.00	1.0000	1.0000	0.01	\$ 15.85	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>0.01</b>	<b>\$ 15.85</b>	<b>\$ 0.00</b>			<b>0.01</b>	<b>\$ 15.85</b>	<b>\$ 0.00</b>
Non-EDW								
Gas Reimbursement	688.71	\$ 0.40	\$ 0.02	1.0000	1.0000	688.71	\$ 0.40	\$ 0.02
Public Transit	21.64	1.98	0.00	1.0000	1.0000	21.64	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>710.35</b>	<b>\$ 0.45</b>	<b>\$ 0.03</b>			<b>710.35</b>	<b>\$ 0.45</b>	<b>\$ 0.03</b>
<b>Total Benefit Cost</b>	<b>15,094.76</b>	<b>\$ 3.41</b>	<b>\$ 4.29</b>			<b>15,532.45</b>	<b>\$ 3.75</b>	<b>\$ 4.85</b>

## APPENDIX 5: NEMT ACTUARIAL COST MODELS – ALL NF EXCLUDED

Contract Year: July 2024 to June 2025

Tier 3: Foster children and other non-dual eligible individuals with disabilities

Category of Service	Base Data			QRV Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		396,389									
	Utilization per 1,000	Cost per Unit	PMPM		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips												
Wheelchair van	23.64	\$ 33.92	\$ 0.07	1.0294	23.64	\$ 34.92	\$ 0.07	1.0022	1.0025	23.70	\$ 35.01	\$ 0.07
Ambulance (non-emergency)	5.27	98.14	0.04	1.0000	5.27	98.14	0.04	1.0022	1.0025	5.28	98.39	0.04
Commercial - taxi	14.53	23.44	0.03	1.0000	14.53	23.44	0.03	1.0022	1.0025	14.56	23.50	0.03
Other Commercial	290.71	19.83	0.48	1.0225	290.71	20.28	0.49	1.0022	1.0025	291.36	20.33	0.49
Subtotal	334.16	\$ 22.22	\$ 0.62		334.16	\$ 22.68	\$ 0.63			334.90	\$ 22.74	\$ 0.63
Add-ons												
Mileage	5,009.35	\$ 1.30	\$ 0.54	1.0000	5,009.35	\$ 1.30	\$ 0.54	1.0022	1.0025	5,020.51	\$ 1.30	\$ 0.55
Other Add-ons	35.87	7.82	0.02	1.0000	35.87	7.82	0.02	1.0022	1.0025	35.95	7.84	0.02
Subtotal	5,045.23	\$ 1.35	\$ 0.57		5,045.23	\$ 1.35	\$ 0.57			5,056.47	\$ 1.35	\$ 0.57
Other Travel Expenses												
EDW												
Gas Reimbursement	0.03	\$ 186.32	\$ 0.00	1.0000	0.03	\$ 186.32	\$ 0.00	1.0022	1.0025	0.03	\$ 186.79	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	0.03	\$ 186.32	\$ 0.00		0.03	\$ 186.32	\$ 0.00			0.03	\$ 186.79	\$ 0.00
Non-EDW												
Gas Reimbursement	218.34	\$ 0.40	\$ 0.01	1.0000	218.34	\$ 0.40	\$ 0.01	1.0000	1.0000	218.34	\$ 0.40	\$ 0.01
Public Transit	6.86	1.98	0.00	1.0000	6.86	1.98	0.00	1.0000	1.0000	6.86	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	225.20	\$ 0.45	\$ 0.01		225.20	\$ 0.45	\$ 0.01			225.20	\$ 0.45	\$ 0.01
Total Benefit Cost	5,604.61	\$ 2.56	\$ 1.19		5,604.61	\$ 2.58	\$ 1.21			5,616.60	\$ 2.59	\$ 1.21

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 3: Foster children and other non-dual eligible individuals with disabilities (Continued)

Category of Service	Completed Data			Utilization Trend    Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
<b>Trips</b>								
Wheelchair van	23.70	\$ 35.01	\$ 0.07	1.0337	1.0858	24.50	\$ 38.01	\$ 0.08
Ambulance (non-emergency)	5.28	98.39	0.04	1.0337	1.0337	5.46	101.71	0.05
Commercial - taxi	14.56	23.50	0.03	1.0168	1.0337	14.81	24.29	0.03
Other Commercial	291.36	20.33	0.49	1.0000	1.1766	291.36	23.92	0.58
<b>Subtotal</b>	<b>334.90</b>	<b>\$ 22.74</b>	<b>\$ 0.63</b>			<b>336.12</b>	<b>\$ 26.23</b>	<b>\$ 0.73</b>
<b>Add-ons</b>								
Mileage	5,020.51	\$ 1.30	\$ 0.55	1.0337	1.0337	5,189.82	\$ 1.35	\$ 0.58
Other Add-ons	35.95	7.84	0.02	1.0337	1.0337	37.17	8.11	0.03
<b>Subtotal</b>	<b>5,056.47</b>	<b>\$ 1.35</b>	<b>\$ 0.57</b>			<b>5,226.99</b>	<b>\$ 1.40</b>	<b>\$ 0.61</b>
<b>Other Travel Expenses</b>								
<b>EDW</b>								
Gas Reimbursement	0.03	\$ 186.79	\$ 0.00	1.0000	1.0000	0.03	\$ 186.79	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<b>EDW Subtotal</b>	<b>0.03</b>	<b>\$ 186.79</b>	<b>\$ 0.00</b>			<b>0.03</b>	<b>\$ 186.79</b>	<b>\$ 0.00</b>
<b>Non-EDW</b>								
Gas Reimbursement	218.34	\$ 0.40	\$ 0.01	1.0000	1.0000	218.34	\$ 0.40	\$ 0.01
Public Transit	6.86	1.98	0.00	1.0000	1.0000	6.86	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<b>Non-EDW Subtotal</b>	<b>225.20</b>	<b>\$ 0.45</b>	<b>\$ 0.01</b>			<b>225.20</b>	<b>\$ 0.45</b>	<b>\$ 0.01</b>
<b>Total Benefit Cost</b>	<b>5,616.60</b>	<b>\$ 2.59</b>	<b>\$ 1.21</b>			<b>5,788.34</b>	<b>\$ 2.80</b>	<b>\$ 1.35</b>

#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 4: Low income family members

Category of Service	Base Data			QRV Repricing	Reimbursement Adjustments			Utilization Completion Factor	Cost Completion Factor	Completed Data		
	Base Data Member Months:		433,206		Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
	Utilization per 1,000	Cost per Unit	PMPM									
Trips												
Wheelchair van	0.14	\$ 25.80	\$ 0.00	1.2930	0.14	\$ 33.36	\$ 0.00	1.0022	1.0025	0.14	\$ 33.44	\$ 0.00
Ambulance (non-emergency)	0.17	95.84	0.00	1.0000	0.17	95.84	0.00	1.0022	1.0025	0.17	96.08	0.00
Commercial - taxi	0.55	27.75	0.00	1.0000	0.55	27.75	0.00	1.0022	1.0025	0.56	27.82	0.00
Other Commercial	4.76	34.90	0.01	1.0082	4.76	35.18	0.01	1.0022	1.0025	4.78	35.27	0.01
Subtotal	5.62	\$ 35.77	\$ 0.02		5.62	\$ 36.20	\$ 0.02			5.64	\$ 36.29	\$ 0.02
Add-ons												
Mileage	70.28	\$ 1.68	\$ 0.01	1.0000	70.28	\$ 1.68	\$ 0.01	1.0022	1.0025	70.43	\$ 1.68	\$ 0.01
Other Add-ons	3.88	7.77	0.00	1.0000	3.88	7.77	0.00	1.0022	1.0025	3.89	7.79	0.00
Subtotal	74.15	\$ 2.00	\$ 0.01		74.15	\$ 2.00	\$ 0.01			74.32	\$ 2.00	\$ 0.01
Other Travel Expenses												
EDW												
Gas Reimbursement	-	\$ 0.00	\$ 0.00	1.0000	-	\$ 0.00	\$ 0.00	1.0022	1.0025	-	\$ 0.00	\$ 0.00
Public Transit	-	-	-	1.0000	-	-	-	1.0022	1.0025	-	-	-
EDW Subtotal	-	\$ 0.00	\$ 0.00		-	\$ 0.00	\$ 0.00			-	\$ 0.00	\$ 0.00
Non-EDW												
Gas Reimbursement	5.03	\$ 0.40	\$ 0.00	1.0000	5.03	\$ 0.40	\$ 0.00	1.0000	1.0000	5.03	\$ 0.40	\$ 0.00
Public Transit	0.16	1.98	0.00	1.0000	0.16	1.98	0.00	1.0000	1.0000	0.16	1.98	0.00
Food and Lodging	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-
Non-EDW Subtotal	5.19	\$ 0.45	\$ 0.00		5.19	\$ 0.45	\$ 0.00			5.19	\$ 0.45	\$ 0.00
Total Benefit Cost	84.96	\$ 4.14	\$ 0.03		84.96	\$ 4.17	\$ 0.03			85.14	\$ 4.18	\$ 0.03



#### APPENDIX 4: NEMT ACTUARIAL COST MODELS – MLTSS EXCLUDED

Contract Year: July 2024 to June 2025

Tier 4: Low income family members (Continued)

Category of Service	Completed Data			Utilization Trend Cost Trend		Applied Trend		
	Utilization per 1,000	Cost per Unit	PMPM			Utilization per 1,000	Cost per Unit	PMPM
Trips								
Wheelchair van	0.14	\$ 33.44	\$ 0.00	1.0337	1.0858	0.14	\$ 36.31	\$ 0.00
Ambulance (non-emergency)	0.17	96.08	0.00	1.0337	1.0337	0.17	99.32	0.00
Commercial - taxi	0.56	27.82	0.00	1.0168	1.0337	0.56	28.76	0.00
Other Commercial	4.78	35.27	0.01	1.0000	1.1766	4.78	41.50	0.02
<i>Subtotal</i>	<i>5.64</i>	<i>\$ 36.29</i>	<i>\$ 0.02</i>			<i>5.66</i>	<i>\$ 41.86</i>	<i>\$ 0.02</i>
Add-ons								
Mileage	70.43	\$ 1.68	\$ 0.01	1.0337	1.0337	72.81	\$ 1.74	\$ 0.01
Other Add-ons	3.89	7.79	0.00	1.0337	1.0337	4.02	8.05	0.00
<i>Subtotal</i>	<i>74.32</i>	<i>\$ 2.00</i>	<i>\$ 0.01</i>			<i>76.83</i>	<i>\$ 2.07</i>	<i>\$ 0.01</i>
Other Travel Expenses								
EDW								
Gas Reimbursement	-	\$ 0.00	\$ 0.00	1.0000	1.0000	-	\$ 0.00	\$ 0.00
Public Transit	-	-	-	1.0000	1.0000	-	-	-
<i>EDW Subtotal</i>	<i>-</i>	<i>\$ 0.00</i>	<i>\$ 0.00</i>			<i>-</i>	<i>\$ 0.00</i>	<i>\$ 0.00</i>
Non-EDW								
Gas Reimbursement	5.03	\$ 0.40	\$ 0.00	1.0000	1.0000	5.03	\$ 0.40	\$ 0.00
Public Transit	0.16	1.98	0.00	1.0000	1.0000	0.16	1.98	0.00
Food and Lodging	-	-	-	1.0000	1.0000	-	-	-
<i>Non-EDW Subtotal</i>	<i>5.19</i>	<i>\$ 0.45</i>	<i>\$ 0.00</i>			<i>5.19</i>	<i>\$ 0.45</i>	<i>\$ 0.00</i>
<b>Total Benefit Cost</b>	<b>85.14</b>	<b>\$ 4.18</b>	<b>\$ 0.03</b>			<b>87.67</b>	<b>\$ 4.54</b>	<b>\$ 0.03</b>

## Appendix 6: NEMT capitation rate summary

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**APPENDIX 6: NEMT CAPITATION RATE SUMMARY****Contract Year: July 2024 to June 2025****Base Scenario**

RATE CELL	PROJECTED	BASE BENEFIT COST	ADMIN / PROFIT / SURPLUS	CAPITATION RATE
	MEMBER MONTHS			
Nursing Home and Waiver PD	881,989	\$ 17.44	\$6.45	<b>\$ 23.90</b>
Other Institutional, Waiver ID, and Full Duals	1,739,372	4.62	1.71	<b>6.33</b>
Foster and Other Non-Dual Disabled	391,710	1.44	0.53	<b>1.97</b>
Low-Income Family	531,286	0.03	0.01	<b>0.05</b>
<b>Composite</b>	<b>3,544,357</b>	<b>\$ 6.77</b>	<b>\$ 2.50</b>	<b>\$ 9.28</b>

**MLTSS Excluded Scenario**

RATE CELL	PROJECTED	BASE BENEFIT COST	ADMIN / PROFIT / SURPLUS	CAPITATION RATE
	MEMBER MONTHS			
Nursing Home and Waiver PD	181,528	\$ 26.43	\$11.33	<b>\$ 37.76</b>
Other Institutional, Waiver ID, and Full Duals	1,061,436	4.87	2.09	<b>6.96</b>
Foster and Other Non-Dual Disabled	390,415	1.39	0.60	<b>1.98</b>
Low-Income Family	531,286	0.03	0.01	<b>0.05</b>
<b>Composite</b>	<b>2,164,664</b>	<b>\$ 4.86</b>	<b>\$ 2.08</b>	<b>\$ 6.95</b>

**All NF Excluded Scenario**

RATE CELL	PROJECTED	BASE BENEFIT COST	ADMIN / PROFIT / SURPLUS	CAPITATION RATE
	MEMBER MONTHS			
Nursing Home and Waiver PD	141,719	\$ 21.32	\$10.50	<b>\$ 31.82</b>
Other Institutional, Waiver ID, and Full Duals	1,060,973	4.85	2.39	<b>7.24</b>
Foster and Other Non-Dual Disabled	390,273	1.35	0.67	<b>2.02</b>
Low-Income Family	531,286	0.03	0.02	<b>0.05</b>
<b>Composite</b>	<b>2,124,251</b>	<b>\$ 4.10</b>	<b>\$ 2.02</b>	<b>\$ 6.12</b>

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