

MILLIMAN CLIENT REPORT

State Fiscal Year 2022 Risk Adjustment Medicaid Managed Care Program

Rhode Island, Executive Office of Health and Human Services

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Executive Summary

Milliman, Inc. (Milliman) has been retained by the Rhode Island Executive Office of Health and Human Services (EOHHS) to provide actuarial and consulting services related to the development of capitation rates for Rhode Island's Medicaid managed care program effective July 1, 2021 for state fiscal year (SFY) 2022. As part of the rate development process, prospective risk adjustment was performed on the Rite Care Children <15, Rite Care Adults 15+, Children with Special Healthcare Needs (CSHCN) Adoption Subsidy, all other CSHCN rate cells, Medicaid Expansion, and Rhody Health Partners populations in a form that is estimated to be cost neutral to EOHHS. Risk adjustment was not performed for Rite Care Children <1, CSHCN substitute care, Extended Family Planning (EFP), or SOBRA rate cells. Figure 1 illustrates the risk adjustment results for each MCO by population.

Figure 1: Risk Adjustment Impact

Scoring Group	Neighborhood	Tufts	United
Rite Care Children	1.0000	0.9489	1.0068
Rite Care Adults	0.9803	0.9270	1.0446
CSHCN - Adoption Subsidy	1.0117	0.9297	0.9645
CSHCN - Non Adoption	1.0487	0.8148	0.8901
Medicaid Expansion	0.9915	0.9120	1.0292
Rhody Health Partners	1.0288	0.8966	0.9766

Note: The values in Figure 1 are for illustrative purposes only. They reflect the ratio of the 'Final Adjusted Rate' in Appendix 1 for each Scoring Group and the SFY 2022 Capitation Rate.

This report documents the relative risk scores developed for each of the populations using the Combined Chronic Illness and Pharmacy Payment System risk adjustment model (CDPS+Rx) with custom disease weights. The relative risk scores presented in this report are for the July 2021 through June 2022 rate period. A detailed description of the modeling parameters used in the development of the relative risk scores is presented in the methodology section of this report.

Appendix 1 illustrates the following information for each rate cell for each of the managed care organizations (MCOs):

- Recipients by Rate Cell:** Medicaid managed care beneficiaries were assigned to an MCO and rate cell based on January 2021 managed care eligibility. Rite Care and CSHCN enrollees with partial eligibility in January 2021 were not included. The membership tables provide the following information on a rate cell basis:

Total Recipients: Managed care members were assigned to a MCO and rate cell based on January 2021 managed care enrollment. 'Total Recipients' reflects all enrollees in the applicable rate cells as of January 2021, regardless of Medicaid enrollment length during the July 2019 through June 2020 time period.

Scored Recipients: Values reflect managed care enrolled members who are covered by the MCO as of January 2021 and have a minimum of six months of Medicaid enrollment during the July 2019 through June 2020 time period.

- Risk Adjustment Results:** The factors illustrated in the 'Risk Adjustment Results' section, which are consistent for each rate cell within a rate group, reflect the following information for each of the MCOs:

Unadjusted Risk Scores: The unadjusted risk score for the rate group using the CDPS+Rx risk adjustment model with custom weights.

Duration Adjusted Risk Scores: The risk score for the rate group after adjusting for enrollee duration differences during the July 2019 through June 2020 time period.

RHO Transition Adjusted Risk Scores: The risk score for the rate group after including the members who transitioned from Rhody Health Options (RHO) to Rhody Health Partners (RHP) in October 2018. These members were assumed to have unadjusted risk scores twice that of the RHP rate group (i.e., relative risk factor = 2.0). This assumption was developed based on a review of historical cost and risk profile information for the RHO transition population

Credibility Factor: The credibility factor calculated for the rate group.

Credibility Adjusted Risk Scores: The risk score for the rate group after adjusting for credibility.

Scored / Unscored Blended Risk Scores: The risk score for the rate group after combining the scored members' credibility adjusted risk score and risk scores equal to the average for the rate group for unscored members.

Relative Risk Factors: The ratio between the MCO's blended risk scores and the All MCOs blended risk scores.

- **Payment Adjustment:** The values shown in the 'Payment Adjustment' section reflect the following information:

All MCOs PMPM: The estimated per member per month (PMPM) capitation revenue subject to risk adjustment (i.e., the SFY 2022 capitation rate less the vaccine assessment, Care Transformation Collaborative funding, and premium tax) on a rate group composite basis for the MCOs using each rate cell's SFY 2022 base rate, weighted by the managed care program January 2021 composite enrollment distribution by rate cell. This risk adjustment report reflects the SFY 2022 managed care base rates dated August 9, 2021.

MCO PMPM: The estimated PMPM capitation subject to risk adjustment (i.e., the SFY 2022 capitation rate less the vaccine assessment, Care Transformation Collaborative funding, and premium tax) on a rate group composite basis for the MCO using each rate cell's SFY 2022 base rate, weighted by the MCO's composite January 2021 enrollment distribution by rate cell.

Inherent Rate Risk Factors: The ratio between the MCO PMPM and the All MCOs PMPM.

Relative Risk Factors: The ratio between the MCO's blended risk scores and the All MCOs blended risk scores.

Adjusted Risk Score: The MCO's relative risk factor divided by its inherent rate risk factor.

- **Risk Adjusted Rates:** The values shown in the 'Risk Adjusted Rates' section reflect the following information:

January 2021 Enrollment: All managed care enrollees in the applicable rate cells as of January 2021, regardless of Medicaid enrollment length.

Effective Rate Less CTC: The effective base capitation rate (the capitation rate prior to the application of vaccine assessment and premium tax amounts), less the Care Transformation Collaborative (CTC) funding.

Adjusted Risk Score: The MCO's relative risk factor divided by its inherent rate risk factor.

Initial Risk Adjusted Rate: The effective rate less CTC multiplied by the adjusted risk score.

Initial Budget Neutrality Adjustment: A factor applied to the initial risk adjusted rate to ensure budget neutrality at the rate cell level.

Budget Neutral Risk Adjusted Rate: The multiplication of the initial risk adjusted rate by the initial budget neutrality adjustment.

Vaccine Assessment PMPM: The vaccine assessment PMPM add-on to the certified base capitation rates.

Adjusted CTC PMPM: The MCO-specific CTC funding based on projected SFY 2022 CTC expenditures provided by CTC. The composite CTC add-on is consistent with the statewide amount illustrated in the SFY 2022 managed care base rates.

Premium Tax PMPM: The premium tax load to reflect the estimated MCO specific risk-adjusted PMPM.

Risk Adjusted Full Rate: The sum of the budget neutral risk adjusted rate, vaccine assessment PMPM, adjusted CTC PMPM, and premium tax PMPM.

Budget Neutrality Adjustment: A factor applied to the risk adjusted full rate to ensure budget neutrality at the rate cell level.

Final Adjusted Rate: The capitation rate calculated by multiplying the risk adjusted full rate by the budget neutrality adjustment.

0.5% Withhold: The alternative payment methodology withhold amount.

Adjusted Rate Less Withhold: The final adjusted rate less the 0.5% withhold for applicable rate cells.

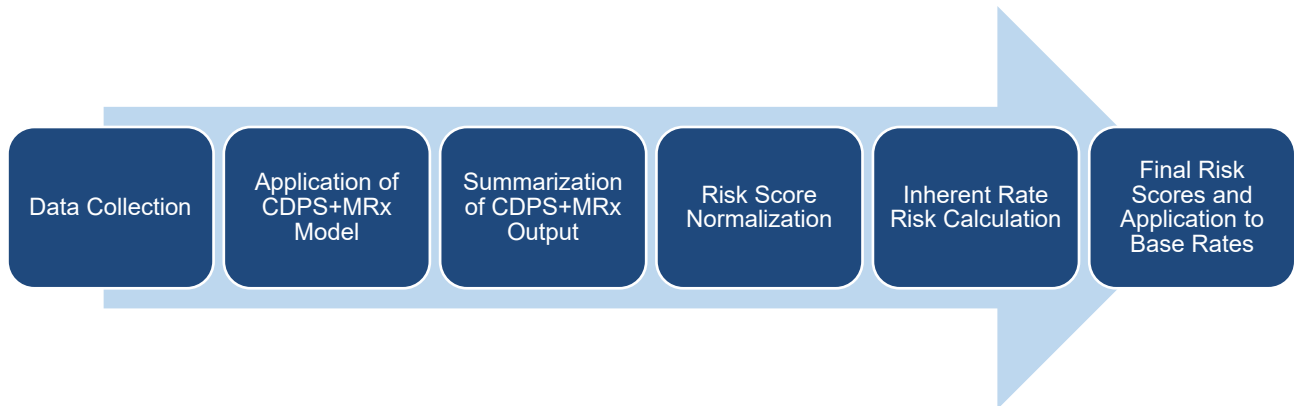
Baseline Medical Expense Less CTC: The certified baseline medical expense less CTC for the rate cell.

Adjusted Baseline Medical Expense: The baseline medical expense to be utilized in risk corridor calculations. The adjusted baseline medical expense is calculated in two steps. First, the certified baseline medical expense less CTC is multiplied by the adjusted risk score and the initial budget neutrality adjustment. Second, the adjusted CTC PMPM is added, and the total value is multiplied by the budget neutrality adjustment.

For populations subject to risk adjustment, Appendix 2 provides a prevalence summary illustrating the proportion of scored individuals for each rate group identified in the CDPS+Rx demographic and condition categories. The custom weights associated with each demographic and condition category are included. In addition, a count of scored and unscored members is provided, along with the mean risk scores. Values are provided separately for each MCO and on a composite basis for all MCOs.

Methodology

Risk score relativities for the Rlte Care Children <15, Rlte Care Adults 15+, CSHCN Adoption Subsidy, CSHCN Non-Adoption Subsidy, Medicaid Expansion, and Rhody Health Partners rate groups during the SFY 2022 time period were developed using the CDPS+Rx risk adjustment model with custom disease weights (excluding substitute care, newborn, EFP, and SOBRA rate cells). Resulting budget neutral relative risk scores were applied to base capitation rates to create the risk adjusted capitation rates by MCO. This section describes the methodology used to create the risk adjusted rates for the SFY 2021 time period, following the steps illustrated in the below figure.



Capitation payments for the Rlte Care Children <15, Rlte Care Adults 15+, CSHCN Non-Adoption Subsidy, Medicaid Expansion, and Rhody Health Partners rate groups are made in different age/gender or eligibility-based rate cells. Because the rate structure for these rate groups does not rely on a single composite capitation rate, the rate cell structure inherently adjusts payments to the MCOs for the age, gender, and eligibility status of beneficiaries covered under the program. However, the rate cell structure does not reflect morbidity or acuity risk variances that are incremental to the impact of age, gender, and eligibility status adjustments.

In order to account for this additional variation in population risk between MCOs, we used CDPS+Rx to evaluate the morbidity differences between the beneficiaries covered by each MCO. To avoid double counting the effect of age, gender, and eligibility status on the risk adjustment results, we also estimated the mix differences between MCOs based solely on the distribution of covered members by rate cell, defined as the 'inherent rate risk'. The risk adjustment results from the CDPS+Rx model are adjusted to remove the inherent rate risk, creating final rates that are not influenced by differences in the distribution of rate cell enrollment among MCOs.

The remainder of the methodology section describes the above process in greater detail.

STEP 1: DATA COLLECTION

Figure 2 summarizes the data collection process for MCO risk adjustment in the SFY 2022 application period.

Figure 2: Data Collection Parameters

Parameter	SFY 2022 Application Period
Data sources	Managed care encounter and fee-for-service claims, MCO supplemental institutional diagnosis data, MCO supplemental rejected encounters, Medicaid eligibility
Service dates	July 1, 2019 through June 30, 2020
Paid dates	Paid through March 31, 2021
Enrollment period used to assign beneficiaries	Full eligibility in January 2021
Minimum Medicaid eligibility months	Six months (fee-for-service or managed care enrolled)
Beneficiary age calculation	Age as of January 1, 2020
Diagnoses excluded	Lab and radiology

Data sources: EOHHS provided monthly fee-for-service claims, encounter records, and member-level Medicaid eligibility data. One MCO's data was missing encounters that were rejected because of a submission issue related to certain field lengths. We worked with EOHHS and the MCO to obtain a supplemental encounter extract to resolve the encounter data completeness issue.

In addition, diagnosis data for institutional claims was materially understated for the same MCO in SFY 2020. We worked with EOHHS and the MCO to obtain an ad-hoc file containing the diagnosis codes for SFY 2020 institutional claims. Diagnosis codes were included in risk adjustment to the extent they could be appended to a valid encounter claim. We performed additional review to ensure the diagnosis distribution appeared reasonable across all MCOs following the data amendment process.

Service dates: The risk adjustment process incorporated diagnostic and national drug code (NDC) data with service dates from July 1, 2019 through June 30, 2020.

Paid dates: We limited diagnostic and NDC data to claims paid through March 31, 2021.

Enrollment period used to assign beneficiaries: We assigned beneficiaries to an MCO and rate cell based on their January 2021 enrollment information. Rlte Care and CSHCN enrollees with partial eligibility in January 2021 were not included.

Minimum Medicaid eligibility months: In order to be included in the CDPS+Rx model (i.e. a scored member), beneficiaries with full January 2021 enrollment were required to have at least six months of Medicaid enrollment during the July 1, 2019 through June 30, 2020 service period. To meet this requirement, the sum of fee-for-service and managed care enrollment months must be six or greater during the service period. Enrollment months were not required to be continuous.

Beneficiary age calculation: We calculated the beneficiary's age for the purpose of demographic assignment as of January 1, 2020, the midpoint of the service period.

Diagnosis codes excluded: Diagnosis codes from claims that included a lab and radiology procedure or revenue code on any line, with the exception of those associated with an inpatient hospital claim, were not collected for the purpose of the risk adjustment analysis. We assumed that these diagnosis codes could be for testing purposes and may not definitively indicate a member's disease condition.

In addition, we excluded diagnosis codes associated with newborn services for occurrences where the diagnosis was submitted under the wrong Medicaid ID (e.g., the mother's ID). In other words, we excluded all the diagnosis codes on a non-newborn recipient claim from the risk adjustment process if we classified the claim as a newborn service. To be classified as a newborn service, one of the diagnosis codes on the claim contained an ICD-10 value beginning with 'Z38'. The service was considered to be submitted under the wrong Medicaid ID if the recipient of the service was greater than one year old at the time of the service.

STEP 2: APPLICATION OF CDPS+RX MODEL

We developed the risk scores using the CDPS+Rx risk scoring model, Version 6.4, with customized disease weights. We utilized the prospective disease weights calibrated using Rhode Island specific claims and enrollment experience. Different weight types were applied to the disabled adults and children, TANF children, and TANF adult populations. The total risk score for a member was calculated by adding the weights associated with his or her demographic, diagnostic and pharmaceutical categories identified by the model.

Figure 3: Application of CDPS-Rx model Parameters

Parameter	SFY 2022 Application Period
CDPS-Rx Version	6.4
Disease weights	Custom, Prospective Acute
Weight types	Disabled adults and children (DADC) weights: CSHCN Non-Adoption Subsidy and Rhody Health Partners TANF children (AC) weights: RItE Care Children <15 and CSHCN Adoption Subsidy TANF Adults (AA) weights: RItE Care Adults 15+ and Medicaid Expansion

CDPS disease weights were calibrated for Rhode Island specific experience using a penalized linear regression model with the data sources, time periods, and methodologies listed in Figure 4.

Figure 4: Custom Weight Development Model Parameters

Parameter	SFY 2022 Application Period
CDPS-Rx Version	6.4
Data Sources	Managed care encounter and fee-for-service claims, MCO supplemental institutional diagnosis data, MCO supplemental rejected encounters, Medicaid eligibility
Conditions service dates (feature period)	July 1, 2017 through June 30, 2018
Member acuity service dates (response period)	July 1, 2018 through June 30, 2019
Paid dates	Paid through March 31, 2021
Enrollment period used to assign beneficiaries	Full eligibility in January 2019
Minimum Medicaid eligibility months	Six months during the feature time period (fee-for-service or managed care enrolled)
Beneficiary age calculation	Age as of January 1, 2018
Diagnosis codes excluded	Lab and radiology
Offset weights	CDPS+Rx Standard, Prospective Acute
Weight types	Disabled adults and children (DADC) weights: CSHCN Non-Adoption Subsidy and Rhody Health Partners TANF children (AC) weights: RItE Care Children <15 and CSHCN Adoption Subsidy TANF Adults (AA) weights: RItE Care Adults 15+ and Medicaid Expansion

CDPS-RX Version: CDPS-Rx version 6.4 was used to identify member conditions.

Data Sources: Data sources used to develop the custom disease weights are consistent with those used in the application of the SFY 2022 risk adjustment model. Data sources include fee-for-service claims, encounter records, supplemental rejected encounters, and supplemental diagnosis data, and member-level eligibility data.

Conditions service dates (feature period): The model used to calibrate the weights incorporated diagnostic and national drug code (NDC) data with service dates from July 1, 2017 through June 30, 2018 to develop the member conditions, which were the features in the model.

Member acuity service dates (response period): The model used to calibrate the weights incorporated managed care service expenditures with service dates from July 1, 2018 through June 30, 2019. Managed care expenditures PMPM were converted to a normalized risk score (for each weight type), which was used as the response variable in the model.

Paid dates: We limited diagnostic and NDC data to claims paid through March 31, 2021.

Enrollment period used to assign beneficiaries: We assigned beneficiaries to an MCO and rate cell based on their January 2019 enrollment information. Rlte Care and CSHCN enrollees with partial eligibility in January 2019 were not included.

Minimum Medicaid eligibility months: The minimum Medicaid eligibility months requirement was consistent with the application of the SFY 2022 risk adjustment model, as described under Figure 2.

Beneficiary age calculation: We calculated the beneficiary's age for the purpose of demographic assignment as of January 1, 2018, the midpoint of the service period.

Diagnosis codes excluded: Diagnosis codes were excluded consistent with the application of the SFY 2022 risk adjustment model, as described under Figure 2.

Offset weights: The standard, prospective acute CDPS+Rx weights were used as an offset parameter in the regression model. This offset parameter resulted in custom disease weights that were more consistent with the standard, prospective acute CDPS+Rx weight for terms that were heavily penalized by the model (because of either low prevalence or an unstable relationship with the response variable).

Weight types: The custom disease weights were developed for the same population groups (disabled children and adults, TANF children, TANF adults) consistent with the application of the SFY 2022 risk adjustment model.

The resulting custom weights from the regression model were used in the application of the SFY 2022 risk adjustment model. The custom weights for each demographic category and condition are illustrated in Appendix 2.

The predictive value of the model using custom weights was evaluated relative to the standard CDPS+Rx weights using July 1, 2018 through June 30, 2019 condition service dates (feature period) and July 1, 2019 through June 30, 2020 member acuity service dates (response period). Normalized model predictions from the CDPS+Rx model using standard and custom weights were compared to the normalized member PMPM expenditures in the response period. The R-squared and Mean Absolute Error metrics for the two models are illustrated in Figure 5.

Figure 5: R-Squared and Mean Absolute Error of Standard and Custom Weights

Weight Type	CDPS Standard Weights		Customized Weights	
	R-Squared	Mean Absolute Error	R-Squared	Mean Absolute Error
AA	0.1581	1.0155	0.1742	0.9804
AC	0.1459	1.1351	0.1507	1.1221
DADC	0.2559	0.8768	0.2575	0.8650

Notes:

1. A higher R² value represents better model predictive value.
2. A lower mean absolute error represents better model predictive value.

STEP 3: SUMMARIZATION OF CDPS+RX OUTPUT

After applying the CDPS+Rx risk adjustment model to the collected eligibility and pharmacy data, the risk score information was summarized by MCO for each rate group on a composite basis. Figure 6 lists the key assumptions and methodologies in summarizing the risk adjustment model results.

Figure 6: Summarization of CDPS+RX Model Outputs

Parameter	SFY 2022 Application Period
Risk adjustment rate groups	Rlte Care Children <15, Rlte Care Adults 15+, CSHCN Adoption Subsidy, CSHCN Non-Adoption Subsidy, Medicaid Expansion, Rhody Health Partners
Scored member weighting	Each member received equal weighting, regardless of eligibility length in the data collection period
Duration adjustment	Recipients with less than 12 months of eligibility during the July 1, 2019 through June 30, 2020 service period had their risk scores adjusted to account for differences in member enrollment duration
Risk score for RHO transition members	Assumed twice the average risk score relative to the remaining Rhody Health Partners rate group
Credibility adjustment	For each rate group, MCO cohorts with 500 or more recipients were given full credibility. Cohorts with fewer than 500 scored recipients were credibility adjusted
Risk score for unscored members	Assigned the average risk score across all MCOs for the respective rate group

Risk adjustment rate groups: Separate risk adjustment rate groups were maintained for each population. The CSHCN population was split into Adoption Subsidy and all other CSHCN rate cells. The Rlte Care population was split into Rlte Care Children <15 and Rlte Care Adults 15+.

Duration adjustment: A duration adjustment was applied to account for the effect of a member having less than 12 exposure months during the SFY 2020 service period. Figure 7 shows the duration factors applied at each month of enrollment by population.

Figure 7: Duration Factors

Months of Enrollment	Rlte Care Children	Rlte Care Adults	CSHCN - Adoption Subsidy	CSHCN - Non Adoption	Medicaid Expansion	Rhody Health Partners
12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11	1.0240	1.0308	1.0256	1.0312	1.0297	1.0321
10	1.0572	1.0681	1.0504	1.0651	1.0665	1.0702
9	1.0942	1.1117	1.0808	1.1053	1.1068	1.1137
8	1.1321	1.1567	1.1198	1.1516	1.1515	1.1610
7	1.1712	1.2039	1.1568	1.1957	1.1981	1.2088
6	1.2271	1.2679	1.2109	1.2641	1.2614	1.2677

Factors were estimated based on the observed increase in risk scores at each member duration. The subset of members with 12 months of eligibility in SFY 2019 were used for this analysis. For example, the average Rlte Care child's risk score was approximately 1.0240 times greater after 12 months of enrollment in SFY 2019 compared to after their 11th month of enrollment. The increase in risk score resulting from each incremental month was used to develop the duration factors. The factors were applied at the member-level.

Credibility adjustment: To mitigate potential variability in risk score results for MCO rate group cohorts with relatively few covered members, we applied a credibility adjustment to MCO rate group cohorts with fewer than 500 scored members. The credibility factor for the MCO rate group cohort's calculated risk score was:

$$\text{Credibility} = \sqrt{(\min(\text{threshold}, \text{scored beneficiaries}) / \text{threshold})}$$

For example, an MCO rate group cohort with 125 scored members would have the following credibility factor:

$$\text{Credibility} = \sqrt{(125 / 500)} = 50.0\%$$

If the MCO's cohort had a risk score factor of 0.800 and the composite rate group risk score for all MCOs was 1.100, the credibility-adjusted risk score for the MCO cohort would be:

$$\text{Credibility Adjusted Risk Score} = (50.0\%) \times 0.800 + (100\% - 50.0\%) \times 1.100 = 0.950$$

The above credibility adjustment process is intended to mitigate fluctuations in revenue between risk score application periods for MCO rate group cohorts with limited enrollment.

Risk score for unscored members: Members with fewer than six months of enrollment during the data collection period were assumed to have a risk score equal to the average risk score for the rate group across all MCOs.

STEP 4: RISK SCORE NORMALIZATION

Next, relative risk scores were calculated for each of the rate groups by MCO. This process converted the risk scores into a factor indicating the relative morbidity of the MCO's beneficiaries relative to the composite morbidity for all MCOs. For example, a relative risk score of 0.95 indicates that the estimated morbidity of the MCO's beneficiaries is 5% less than the composite across all MCOs. The composite relative risk scores for each rate group were estimated to be 1.00 based on January 2021 enrollment.

STEP 5: INHERENT RATE RISK CALCULATION

We developed an inherent rate risk factor for each MCO and risk group to remove the effect of age, gender, and eligibility status from the relative risk scores. This factor was calculated by weighting an individual MCO's January 2021 enrollment by rate cell with the capitation rates effective July 1, 2021¹. The ratio between the MCO's composite group rate and the aggregate composite group rate for all MCOs reflects the inherent rate risk factor for the MCO / rate group combination. For example, an inherent rate risk factor of 0.98 for a rate group indicates that the per member per month capitation revenue for the MCO's beneficiaries is 2% less than the composite across all MCOs, due to the mix of the MCO's members by rate cell relative to the rate group average. The composite inherent rate risk factor for each rate group was estimated to be 1.00 based on January 2021 enrollment.

STEP 6: FINAL RISK SCORES AND APPLICATION TO BASE RATES

Using results from steps 4 and 5, an adjusted rate was developed on a rate group level for each MCO. The adjusted risk score factor by MCO and rate group was calculated using the following formula:

$$\text{Adjusted Risk Score} = \frac{\text{Relative Risk Factor}}{\text{Inherent Rate Risk Factor}}$$

The vaccine assessment, CTC add-on, and premium tax was removed from the certified base capitation rate before the application of the adjusted risk score. After multiplying the unadjusted PMPM by the adjusted risk score, the vaccine assessment and premium tax was added back into the capitation rate to develop the risk adjusted rate. In addition, an MCO-specific CTC PMPM was added based on projected SFY 2022 CTC expenditures provided by CTC. The composite CTC add-on is consistent with the statewide amount illustrated in the SFY 2022 managed care base rates.

To ensure the composite rate remains consistent with the certified capitation rate, a budget neutrality factor was applied to the risk adjusted rate at the rate cell level to obtain a final adjusted rate. Appendix 1 provides base capitation rates on a rate cell basis after the adjusted risk score and budget neutrality factor are applied. Because January 2021 enrollment was used for the budget neutrality process, the SFY 2022 population composite rates may differ slightly from values presented in the base SFY 2022 capitation rate report.

¹ This risk adjustment report reflects the SFY 2022 managed care base rates dated August 9, 2021.

Summary of Changes Relative to SFY 2021 Risk Adjustment

This section summarizes key changes in the SFY 2022 risk adjustment methodology relative to the SFY 2021 methodology.

Custom Disease Weights: Custom weights were developed for the SFY 2022 risk adjustment.

Inclusion of Tufts Health Plan: The SFY 2021 risk adjustment process excluded Tufts Health Plan because of low membership and data credibility considerations. Tufts membership has increased by over 100% from January 2020 to January 2021 (the eligibility snapshot date used in SFY 2021 and SFY 2022 risk adjustment, respectively) and the data quality has materially improved.

Duration Adjustment: For the SFY 2022 risk adjustment, an additional adjustment for member duration was included to reflect the observed differences in the duration for members between the risk-adjusted MCOs.

Risk Score for Unscored Members: The SFY 2021 risk adjustment methodology assigned the average risk score for a given MCO and rate group combination to unscored members. In the SFY 2022 risk adjustment process, unscored members are assigned the average risk score across all MCOs for the respective rate group. This adjustment reflects that the material enrollment increases observed in the managed care program are estimated to result in unscored membership that reflects a statewide average risk profile.

Limitations

The information contained in this report has been prepared for the Rhode Island Executive Office of Health and Human Services (EOHHS) to provide documentation of the risk adjustment methodology to be applied to the certified state fiscal year (SFY) 2022 capitation rates for the Rhode Island Medicaid managed care program. The data and information presented may not be appropriate for any other purpose.

The information contained in this report, including the enclosures, has been prepared for EOHHS and their consultants and advisors. It is our understanding that the information contained in this report may be shared with managed care organizations (MCO) participating on the managed care program. 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 report to third parties. Likewise, third parties are instructed that they are to place no reliance upon this report prepared for EOHHS 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. Other parties receiving this report must rely upon their own experts in drawing conclusions about the risk adjusted capitation rates.

Milliman has developed certain models to estimate the values included in this correspondence. The intent of the models was to estimate morbidity differences in the populations covered by each MCO. 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 (ASOP). The models rely on data and information as input to the models. We have relied upon certain data and information provided by EOHHS and the participating MCOs for this purpose and accepted it without audit. To the extent that the data and information provided is not accurate, or is not complete, the values provided in this correspondence may likewise be inaccurate or incomplete. Milliman's data and information reliance includes the data sources outlined in this report. The models, including all input, calculations, and output may not be appropriate for any other purpose.

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 by Milliman to EOHHS were performed under the signed contract agreement between Milliman and EOHHS dated January 12, 2021.

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

Appendix 1: Risk Adjustment Summaries

State of Rhode Island Executive Office of Health and Human Services SFY 2022 Risk Adjustment CDPS + MRX 6.4 - Prospective												
Rate Cell	All MCOs Recipients by Rate Cell			Neighborhood Health Plan Recipients by Rate Cell			Tufts Health Plan Recipients by Rate Cell			UnitedHealthcare Recipients by Rate Cell		
	Total Recipients	Scored Recipients	% Scored	Total Recipients	Scored Recipients	% Scored	Total Recipients	Scored Recipients	% Scored	Total Recipients	Scored Recipients	% Scored
Rite Care												
RC - MF 1-5	28,626	27,072	94.6%	18,074	17,354	96.0%	1,572	1,150	73.2%	8,980	8,568	95.4%
RC - MF 6-14	49,667	47,428	95.5%	32,282	31,231	96.7%	1,633	1,124	68.8%	15,752	15,073	95.7%
RC - M 15-44	18,667	16,599	88.9%	11,572	10,445	90.3%	769	482	62.7%	6,326	5,672	89.7%
RC - F 15-44	45,437	40,345	88.8%	28,739	25,851	90.0%	1,867	1,226	65.7%	14,831	13,268	89.5%
RC - MF 45+	10,395	8,833	85.0%	6,102	5,292	86.7%	352	200	56.8%	3,941	3,341	84.8%
Rite Care - Composite	152,792	140,277	91.8%	96,769	90,173	93.2%	6,193	4,182	67.5%	49,830	45,922	92.2%
Children with Special Healthcare Needs												
CSHCN - Adoption Subsidy	2,122	2,076	97.8%	1,614	1,574	97.5%	24	24	100.0%	484	478	98.8%
CSHCN - Katie Beckett	83	81	97.6%	33	33	100.0%	9	8	88.9%	41	40	97.6%
CSHCN - SSI < 15	2,926	2,886	98.6%	2,058	2,035	98.9%	38	33	86.8%	830	818	98.6%
CSHCN - SSI >= 15	2,058	2,048	99.5%	1,498	1,493	99.7%	16	14	87.5%	544	541	99.4%
CSHCN - Composite	7,189	7,091	98.6%	5,203	5,135	98.7%	87	79	90.8%	1,899	1,877	98.8%
Medicaid Expansion												
ME - F 19-24	9,749	8,418	86.3%	5,782	5,070	87.7%	622	406	65.3%	3,345	2,942	88.0%
ME - F 25-29	5,577	3,987	71.5%	3,027	2,171	71.7%	551	322	58.4%	1,999	1,494	74.7%
ME - F 30-39	5,612	4,405	78.5%	3,019	2,365	78.3%	457	271	59.3%	2,136	1,769	82.8%
ME - F 40-49	5,342	4,371	81.8%	2,948	2,435	82.6%	335	173	51.6%	2,059	1,763	85.6%
ME - F 50-64	14,935	11,886	79.6%	8,188	6,509	79.5%	823	469	57.0%	5,924	4,908	82.8%
ME - M 19-24	10,035	8,757	87.3%	6,001	5,340	89.0%	736	480	65.2%	3,298	2,937	89.1%
ME - M 25-29	7,737	5,921	76.5%	4,189	3,296	78.7%	891	586	65.8%	2,657	2,039	76.7%
ME - M 30-39	11,356	9,384	82.6%	6,155	5,124	83.2%	1,168	813	69.6%	4,033	3,447	85.5%
ME - M 40-49	7,072	5,850	82.7%	3,955	3,280	82.9%	562	372	66.2%	2,555	2,198	86.0%
ME - M 50-64	12,467	10,161	81.5%	6,436	5,192	80.7%	756	461	61.0%	5,275	4,508	85.5%
Medicaid Expansion - Composite	89,882	73,140	81.4%	49,700	40,782	82.1%	6,901	4,353	63.1%	33,281	28,005	84.1%
Rhody Health Partners												
RHP - ID	944	943	99.9%	529	528	99.8%	35	35	100.0%	380	380	100.0%
RHP - SPMI	2,621	2,602	99.3%	1,319	1,310	99.3%	85	81	95.3%	1,217	1,211	99.5%
RHP - Other Disabled 21-44	3,712	3,651	98.4%	1,893	1,874	99.0%	310	284	91.6%	1,509	1,493	98.9%
RHP - Other Disabled 45+	7,051	6,950	98.6%	3,491	3,449	98.8%	240	217	90.4%	3,320	3,284	98.9%
RHP - Composite	14,328	14,146	98.7%	7,232	7,161	99.0%	670	617	92.1%	6,426	6,368	99.1%
RHO Transition	256	256	100.0%	250	250	100.0%	1	1	100.0%	5	5	100.0%
All Populations - Composite	264,447	234,910	88.8%	159,154	143,501	90.2%	13,852	9,232	66.6%	91,441	82,177	89.9%

Notes:

1. Total Recipients reflect all fully members eligible as of January 2021, including those who were not scored.
2. Scored Recipients reflect members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.
3. Values have been rounded.

All MCOs Risk Adjustment Results						
Rate Group	Unadjusted Risk Scores	Duration Adjusted Risk Scores	RHO Transition Adjusted Risk Scores	Credibility Factor	Credibility Adjusted Risk Scores	Scored / Unscored Blended Risk Scores
Rite Care Children	0.8062	0.8136	0.8136	1.0000	0.8136	0.8136
Rite Care Adults	0.7842	0.7952	0.7952	1.0000	0.7952	0.7952
CSHCN - Adoption Subsidy	1.7120	1.7165	1.7165	0.9859	1.7215	1.7215
CSHCN - Non Adoption	0.9404	0.9421	0.9421	0.9927	0.9430	0.9430
Medicaid Expansion	1.1104	1.1317	1.1317	1.0000	1.1317	1.1317
Rhody Health Partners	1.1214	1.1235	1.1435	1.0000	1.1435	1.1435

Neighborhood Health Plan Risk Adjustment Results							
Rate Group	Unadjusted Risk Scores	Duration Adjusted Risk Scores	RHO Transition Adjusted Risk Scores	Credibility Factor	Credibility Adjusted Risk Scores	Scored / Unscored Blended Risk Scores	Relative Risk Factors
Rite Care Children	0.8072	0.8140	0.8140	1.0000	0.8140	0.8140	1.0005
Rite Care Adults	0.7640	0.7746	0.7746	1.0000	0.7746	0.7767	0.9767
CSHCN - Adoption Subsidy	1.7372	1.7426	1.7426	1.0000	1.7426	1.7421	1.0120
CSHCN - Non Adoption	0.9765	0.9786	0.9786	1.0000	0.9786	0.9783	1.0374
Medicaid Expansion	1.0799	1.1011	1.1011	1.0000	1.1011	1.1066	0.9778
Rhody Health Partners	1.1342	1.1363	1.1738	1.0000	1.1738	1.1735	1.0262

Tufts Health Plan Risk Adjustment Results							
Rate Group	Unadjusted Risk Scores	Duration Adjusted Risk Scores	RHO Transition Adjusted Risk Scores	Credibility Factor	Credibility Adjusted Risk Scores	Scored / Unscored Blended Risk Scores	Relative Risk Factors
Rite Care Children	0.7509	0.7702	0.7702	1.0000	0.7702	0.7828	0.9621
Rite Care Adults	0.6678	0.6885	0.6885	1.0000	0.6885	0.7271	0.9144
CSHCN - Adoption Subsidy	1.1897	1.1997	1.1997	0.2191	1.6033	1.6033	0.9313
CSHCN - Non Adoption	0.8069	0.8147	0.8147	0.3317	0.8998	0.9053	0.9600
Medicaid Expansion	0.8720	0.9087	0.9087	1.0000	0.9087	0.9910	0.8757
Rhody Health Partners	0.8862	0.8963	0.8985	1.0000	0.8985	0.9178	0.8026

UnitedHealthcare Risk Adjustment Results							
Rate Group	Unadjusted Risk Scores	Duration Adjusted Risk Scores	RHO Transition Adjusted Risk Scores	Credibility Factor	Credibility Adjusted Risk Scores	Scored / Unscored Blended Risk Scores	Relative Risk Factors
Rite Care Children	0.8096	0.8168	0.8168	1.0000	0.8168	0.8167	1.0038
Rite Care Adults	0.8319	0.8430	0.8430	1.0000	0.8430	0.8376	1.0533
CSHCN - Adoption Subsidy	1.6552	1.6566	1.6566	0.9778	1.6580	1.6588	0.9636
CSHCN - Non Adoption	0.8536	0.8540	0.8540	1.0000	0.8540	0.8550	0.9067
Medicaid Expansion	1.1917	1.2109	1.2109	1.0000	1.2109	1.1983	1.0588
Rhody Health Partners	1.1297	1.1312	1.1320	1.0000	1.1320	1.1322	0.9901

Neighborhood Health Plan Payment Adjustment					
Rate Group	All MCOs PMPM	Neighborhood PMPM	Inherent Rate Risk Factor	Relative Risk Factors	Adjusted Risk Score
Rite Care Children	\$ 177.13	\$ 177.06	0.9996	1.0005	1.0009
Rite Care Adults	390.86	389.46	0.9964	0.9767	0.9802
CSHCN - Adoption Subsidy	644.02	644.02	1.0000	1.0120	1.0120
CSHCN - Non Adoption	1,505.86	1,488.15	0.9882	1.0374	1.0498
Medicaid Expansion	638.61	629.85	0.9863	0.9778	0.9914
Rhody Health Partners	1,895.13	1,890.31	0.9975	1.0262	1.0288

Tufts Health Plan Payment Adjustment					
Rate Group	All MCOs PMPM	Tufts PMPM	Inherent Rate Risk Factor	Relative Risk Factors	Adjusted Risk Score
Rite Care Children	\$ 177.13	\$ 178.48	1.0076	0.9621	0.9548
Rite Care Adults	390.86	385.56	0.9864	0.9144	0.9270
CSHCN - Adoption Subsidy	644.02	644.02	1.0000	0.9313	0.9313
CSHCN - Non Adoption	1,505.86	1,800.83	1.1959	0.9600	0.8027
Medicaid Expansion	638.61	613.84	0.9612	0.8757	0.9110
Rhody Health Partners	1,895.13	1,698.06	0.8960	0.8026	0.8958

UnitedHealthcare Payment Adjustment					
Rate Group	All MCOs PMPM	United PMPM	Inherent Rate Risk Factor	Relative Risk Factors	Adjusted Risk Score
Rite Care Children	\$ 177.13	\$ 177.11	0.9999	1.0038	1.0039
Rite Care Adults	390.86	394.07	1.0082	1.0533	1.0447
CSHCN - Adoption Subsidy	644.02	644.02	1.0000	0.9636	0.9636
CSHCN - Non Adoption	1,505.86	1,537.64	1.0211	0.9067	0.8880
Medicaid Expansion	638.61	656.84	1.0285	1.0588	1.0295
Rhody Health Partners	1,895.13	1,921.29	1.0138	0.9901	0.9766

Note:
1. Values have been rounded.

Rate Cell	Neighborhood Health Plan Risk Adjusted Rates														Baseline	Adjusted
	January 2021 Enrollment	Effective Rate Less CTC PMPM	Adjusted Risk Score	Initial Risk Adjusted Rate	Initial Budget Neutrality Adjustment	Budget Neutral Risk Adjusted Rate	Vaccine Assessment PMPM	Adjusted CTC PMPM	Adjusted Premium Tax PMPM	Risk Adjusted Full Rate	Budget Neutrality Adjustment	Final Adjusted Rate	0.5% Withhold	Adjusted Rate Less Withhold	Expense Less CTC	Baseline Medical Expense
Rite Care																
RC - MF<1	3,331	\$ 652.89	1.0000	\$ 652.89	1.0000	\$ 652.89	\$ 0.00	\$ 1.59	\$ 13.36	\$ 667.84	1.0001	\$ 667.91	\$ 3.34	\$ 664.57	\$ 594.13	\$ 595.78
RC - MF 1-5	18,074	183.99	1.0009	184.16	1.0007	184.29	-	1.59	3.79	189.67	1.0001	189.69	0.95	188.74	167.43	169.31
RC - MF 6-14	32,282	173.18	1.0009	173.34	0.9996	173.27	-	1.59	3.57	178.43	1.0000	178.43	0.89	177.54	157.60	159.27
RC - M 15-44	11,572	249.44	0.9802	244.50	1.0001	244.52	1.51	0.66	5.03	251.72	1.0000	251.72	1.26	250.46	228.86	225.01
RC - F 15-44	28,739	401.55	0.9802	393.60	1.0009	393.95	2.49	0.27	8.10	404.81	1.0000	404.81	2.02	402.79	368.42	361.73
RC - MF 45+	6,102	598.09	0.9802	586.25	0.9972	584.61	3.18	-	12.00	599.79	1.0000	599.79	3.00	596.79	548.75	536.37
RC - EFP	1,226	18.22	1.0000	18.22	1.0000	18.22	-	-	0.37	18.59	1.0000	18.59	-	18.59	16.12	16.12
RC - SOBRA	n/a	13,339.02	1.0000	13,339.02	1.0000	13,339.02	-	-	272.22	13,611.24	1.0000	13,611.24	-	13,611.24	12,872.15	12,872.15
Rite Care - Composite	101,326	\$ 288.07		\$ 284.62		\$ 284.63	\$ 1.07	\$ 0.99	\$ 5.85	\$ 292.54		\$ 292.55	\$ 1.46	\$ 291.09	\$ 263.48	\$ 261.32
Children with Special Healthcare Needs																
CSHCN - Adoption Subsidy	1,614	\$ 644.02	1.0120	\$ 651.75	0.9999	\$ 651.68	\$ 0.12	\$ 1.53	\$ 13.33	\$ 666.66	1.0001	\$ 666.73	\$ 3.33	\$ 663.40	\$ 576.40	\$ 584.85
CSHCN - Katie Beckett	33	3,514.34	1.0498	3,689.35	1.0604	3,912.19	0.18	1.46	79.87	3,993.70	0.9999	3,993.30	19.97	3,973.33	3,215.63	3,580.77
CSHCN - SSI < 15	2,058	1,624.08	1.0498	1,704.96	0.9993	1,703.77	-	1.59	34.80	1,740.16	1.0000	1,740.16	8.70	1,731.46	1,486.03	1,560.53
CSHCN - SSI >= 15	1,498	1,256.77	1.0498	1,319.36	0.9949	1,312.63	1.33	0.73	26.83	1,341.52	1.0000	1,341.52	6.71	1,334.81	1,149.94	1,201.78
CSHCN - Substitute Care	2,819	844.22	1.0000	844.22	1.0000	844.22	0.78	1.32	17.27	863.59	1.0000	863.59	4.32	859.27	755.57	756.89
CSHCN - Composite	8,022	\$ 1,092.03		\$ 1,126.74		\$ 1,126.08	\$ 0.55	\$ 1.32	\$ 23.02	\$ 1,150.97		\$ 1,150.98	\$ 5.76	\$ 1,145.23	\$ 990.68	\$ 1,023.14
Medicaid Expansion																
ME - F 19-24	5,782	\$ 316.63	0.9914	\$ 313.91	1.0007	\$ 314.13	\$ 3.18	\$ 0.00	\$ 6.48	\$ 323.79	1.0000	\$ 323.79	\$ 1.62	\$ 322.17	\$ 290.51	\$ 288.21
ME - F 25-29	3,027	461.58	0.9914	457.61	1.0029	458.94	3.18	-	9.43	471.55	1.0000	471.55	2.36	469.19	423.50	421.08
ME - F 30-39	3,019	694.35	0.9914	688.38	1.0006	688.79	3.18	-	14.12	706.09	1.0001	706.16	3.53	702.63	637.07	632.03
ME - F 40-49	2,948	896.38	0.9914	888.67	0.9990	887.78	3.18	-	18.18	909.14	1.0000	909.14	4.55	904.59	822.43	814.54
ME - F 50-64	8,188	837.95	0.9914	830.74	0.9979	829.00	3.18	-	16.98	849.16	1.0000	849.16	4.25	844.91	768.82	760.61
ME - M 19-24	6,001	226.12	0.9914	224.18	1.0020	224.63	3.18	-	4.65	232.46	0.9999	232.44	1.16	231.28	207.46	206.07
ME - M 25-29	4,189	425.73	0.9914	422.07	1.0048	424.10	3.18	-	8.72	436.00	1.0000	436.00	2.18	433.82	390.61	389.11
ME - M 30-39	6,155	637.42	0.9914	631.94	1.0034	634.09	3.18	-	13.01	650.28	0.9999	650.21	3.25	646.96	584.83	581.71
ME - M 40-49	3,955	839.19	0.9914	831.97	1.0012	832.97	3.18	-	17.06	853.21	1.0000	853.21	4.27	848.94	769.96	764.26
ME - M 50-64	6,436	946.69	0.9914	938.55	0.9974	936.11	3.18	-	19.17	958.46	1.0000	958.46	4.79	953.67	868.59	858.88
ME - SOBRA	n/a	13,339.02	1.0000	13,339.02	1.0000	13,339.02	-	-	272.22	13,611.24	1.0000	13,611.24	-	13,611.24	12,872.15	12,872.15
Medicaid Expansion - Composite	49,700	\$ 629.85		\$ 624.43		\$ 624.48	\$ 3.18	\$ 0.00	\$ 12.81	\$ 640.47		\$ 640.46	\$ 3.20	\$ 637.26	\$ 577.89	\$ 572.95
Rhody Health Partners																
RHP - ID	531	\$ 1,348.03	1.0288	\$ 1,386.85	0.9971	\$ 1,382.83	\$ 3.18	\$ 0.00	\$ 28.29	\$ 1,414.30	1.0000	\$ 1,414.30	\$ 7.07	\$ 1,407.23	\$ 1,246.93	\$ 1,279.12
RHP - SPMI	1,365	3,089.01	1.0288	3,177.97	0.9993	3,175.75	3.18	-	64.88	3,243.81	1.0000	3,243.81	16.22	3,227.59	2,857.34	2,937.57
RHP - Other Disabled 21-44	1,935	1,215.98	1.0288	1,251.00	1.0032	1,255.00	3.18	-	25.68	1,283.86	1.0000	1,283.86	6.42	1,277.44	1,124.78	1,160.87
RHP - Other Disabled 45+	3,651	1,878.41	1.0288	1,932.51	0.9997	1,931.93	3.18	-	39.49	1,974.60	1.0000	1,974.60	9.87	1,964.73	1,737.53	1,787.03
RHP - Composite	7,482	\$ 1,890.31		\$ 1,944.75		\$ 1,944.81	\$ 3.18	\$ 0.00	\$ 39.76	\$ 1,987.75		\$ 1,987.75	\$ 9.94	\$ 1,977.81	\$ 1,748.54	\$ 1,798.95
All Populations - Composite	166,530	\$ 500.79		\$ 501.19		\$ 501.18	\$ 1.77	\$ 0.67	\$ 10.28	\$ 513.89		\$ 513.90	\$ 2.57	\$ 511.33	\$ 459.07	\$ 460.11

Notes:
 1. January 2021 Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. SOBRA Payments are excluded for purposes of the illustrated January 2021 composites.
 3. Values have been rounded.

Tufts Health Plan Risk Adjusted Rates																
Rate Cell	January 2021 Enrollment	Effective Rate Less CTC PMPM	Adjusted Risk Score	Initial Risk Adjusted Rate	Initial Budget Neutrality Adjustment	Budget Neutral Risk Adjusted Rate	Vaccine Assessment PMPM	Adjusted CTC PMPM	Adjusted Premium Tax PMPM	Risk Adjusted Full Rate	Budget Neutrality Adjustment	Final Adjusted Rate	0.5% Withhold	Adjusted Rate Less Withhold	Baseline Medical Expense Less CTC	Adjusted Baseline Medical Expense
Rite Care																
RC - MF<1	415	\$ 652.89	1.0000	\$ 652.89	1.0000	\$ 652.89	\$ 0.00	\$ 0.60	\$ 13.34	\$ 666.83	1.0001	\$ 666.90	\$ 3.33	\$ 663.57	\$ 594.13	\$ 594.79
RC - MF 1-5	1,572	183.99	0.9548	175.67	1.0007	175.79	-	0.60	3.60	179.99	1.0001	180.01	0.90	179.11	167.43	160.59
RC - MF 6-14	1,633	173.18	0.9548	165.35	0.9996	165.28	-	0.60	3.39	169.27	1.0000	169.27	0.85	168.42	157.60	151.02
RC - M 15-44	769	249.44	0.9270	231.23	1.0001	231.25	1.51	0.25	4.76	237.77	1.0000	237.77	1.19	236.58	228.86	212.42
RC - F 15-44	1,867	401.55	0.9270	372.24	1.0009	372.58	2.49	0.10	7.66	382.83	1.0000	382.83	1.91	380.92	368.42	341.94
RC - MF 45+	352	598.09	0.9270	554.43	0.9972	552.88	3.18	-	11.35	567.41	1.0000	567.41	2.84	564.57	548.75	507.27
RC - EFP	53	18.22	1.0000	18.22	1.0000	18.22	-	-	0.37	18.59	1.0000	18.59	-	18.59	16.12	16.12
RC - SOBRA	n/a	13,339.02	1.0000	13,339.02	1.0000	13,339.02	-	-	272.22	13,611.24	1.0000	13,611.24	-	13,611.24	12,872.15	12,872.15
Rite Care - Composite	6,661	\$ 299.65		\$ 283.15		\$ 283.17	\$ 1.04	\$ 0.38	\$ 5.81	\$ 290.41		\$ 290.42	\$ 1.45	\$ 288.96	\$ 273.98	\$ 259.28
Children with Special Healthcare Needs																
CSHCN - Adoption Subsidy	24	\$ 644.02	0.9313	\$ 599.78	0.9999	\$ 599.72	\$ 0.12	\$ 0.57	\$ 12.25	\$ 612.66	1.0001	\$ 612.72	\$ 3.06	\$ 609.66	\$ 576.40	\$ 537.37
CSHCN - Katie Beckett	9	3,514.34	0.8027	2,820.96	1.0604	2,991.35	0.18	0.55	61.06	3,053.14	0.9999	3,052.83	15.26	3,037.57	3,215.63	2,737.37
CSHCN - SSI < 15	38	1,624.08	0.8027	1,303.65	0.9993	1,302.74	-	0.60	26.60	1,329.94	1.0000	1,329.94	6.65	1,323.29	1,486.03	1,192.61
CSHCN - SSI >= 15	16	1,256.77	0.8027	1,008.81	0.9949	1,003.67	1.33	0.27	20.52	1,025.79	1.0000	1,025.79	5.13	1,020.66	1,149.94	918.62
CSHCN - Substitute Care	-	844.22	1.0000	844.22	1.0000	844.22	0.78	1.32	17.27	863.59	1.0000	863.59	4.32	859.27	755.57	756.89
CSHCN - Composite	87	\$ 1,481.71		\$ 1,212.22		\$ 1,228.49	\$ 0.30	\$ 0.53	\$ 25.09	\$ 1,254.40		\$ 1,254.38	\$ 6.27	\$ 1,248.11	\$ 1,352.21	\$ 1,121.27
Medicaid Expansion																
ME - F 19-24	622	\$ 316.63	0.9110	\$ 288.45	1.0007	\$ 288.65	\$ 3.18	\$ 0.00	\$ 5.96	\$ 297.79	1.0000	\$ 297.79	\$ 1.49	\$ 296.30	\$ 290.51	\$ 264.84
ME - F 25-29	551	461.58	0.9110	420.50	1.0029	421.72	3.18	-	8.67	433.57	1.0000	433.57	2.17	431.40	423.50	386.93
ME - F 30-39	457	694.35	0.9110	632.55	1.0006	632.93	3.18	-	12.98	649.09	1.0001	649.15	3.25	645.90	637.07	580.78
ME - F 40-49	335	896.38	0.9110	816.60	0.9990	815.78	3.18	-	16.71	835.67	1.0000	835.67	4.18	831.49	822.43	748.48
ME - F 50-64	823	837.95	0.9110	763.37	0.9979	761.77	3.18	-	15.61	780.56	1.0000	780.56	3.90	776.66	768.82	698.93
ME - M 19-24	736	226.12	0.9110	206.00	1.0020	206.41	3.18	-	4.28	213.87	0.9999	213.85	1.07	212.78	207.46	189.36
ME - M 25-29	891	425.73	0.9110	387.84	1.0048	389.70	3.18	-	8.02	400.90	1.0000	400.90	2.00	398.90	390.61	357.56
ME - M 30-39	1,168	637.42	0.9110	580.69	1.0034	582.66	3.18	-	11.96	597.80	0.9999	597.74	2.99	594.75	584.83	534.54
ME - M 40-49	562	839.19	0.9110	764.50	1.0012	765.42	3.18	-	15.69	784.29	1.0000	784.29	3.92	780.37	769.96	702.27
ME - M 50-64	756	946.69	0.9110	862.43	0.9974	860.19	3.18	-	17.62	880.99	1.0000	880.99	4.40	876.59	868.59	789.23
ME - SOBRA	n/a	13,339.02	1.0000	13,339.02	1.0000	13,339.02	-	-	272.22	13,611.24	1.0000	13,611.24	-	13,611.24	12,872.15	12,872.15
Medicaid Expansion - Composite	6,901	\$ 613.84		\$ 559.21		\$ 559.56	\$ 3.18	\$ 0.00	\$ 11.49	\$ 574.23		\$ 574.22	\$ 2.87	\$ 571.35	\$ 563.20	\$ 513.39
Rhody Health Partners																
RHP - ID	35	\$ 1,348.03	0.8958	\$ 1,207.57	0.9971	\$ 1,204.07	\$ 3.18	\$ 0.00	\$ 24.64	\$ 1,231.89	1.0000	\$ 1,231.89	\$ 6.16	\$ 1,225.73	\$ 1,246.93	\$ 1,113.76
RHP - SPMI	85	3,089.01	0.8958	2,767.14	0.9993	2,765.20	3.18	-	56.50	2,824.88	1.0000	2,824.88	14.12	2,810.76	2,857.34	2,557.82
RHP - Other Disabled 21-44	310	1,215.98	0.8958	1,089.27	1.0032	1,092.76	3.18	-	22.37	1,118.31	1.0000	1,118.31	5.59	1,112.72	1,124.78	1,010.80
RHP - Other Disabled 45+	241	1,878.41	0.8958	1,682.68	0.9997	1,682.18	3.18	-	34.40	1,719.76	1.0000	1,719.76	8.60	1,711.16	1,737.53	1,556.01
RHP - Composite	671	\$ 1,698.06		\$ 1,521.12		\$ 1,522.12	\$ 3.18	\$ 0.00	\$ 31.13	\$ 1,556.44		\$ 1,556.44	\$ 7.78	\$ 1,548.66	\$ 1,570.70	\$ 1,407.96
All Populations - Composite	14,320	\$ 523.77		\$ 479.84		\$ 480.16	\$ 2.17	\$ 0.18	\$ 9.85	\$ 492.37		\$ 492.37	\$ 2.46	\$ 489.90	\$ 480.67	\$ 440.80

Notes:
 1. January 2021 Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. SOBRA Payments are excluded for purposes of the illustrated January 2021 composites.
 3. Values have been rounded.

UnitedHealthcare Risk Adjusted Rates																
Rate Cell	January 2021 Enrollment	Effective Rate Less CTC PMPM	Adjusted Risk Score	Initial Risk Adjusted Rate	Initial Budget Neutrality Adjustment	Budget Neutral Risk Adjusted Rate	Vaccine Assessment PMPM	Adjusted CTC PMPM	Adjusted Premium Tax PMPM	Risk Adjusted Full Rate	Budget Neutrality Adjustment	Final Adjusted Rate	0.5% Withhold	Adjusted Rate Less Withhold	Baseline Medical Expense Less CTC	Adjusted Baseline Medical Expense
Rite Care																
RC - MF<1	1,480	\$ 652.89	1.0000	\$ 652.89	1.0000	\$ 652.89	\$ 0.00	\$ 2.29	\$ 13.37	\$ 668.55	1.0001	\$ 668.62	\$ 3.34	\$ 665.28	\$ 594.13	\$ 596.48
RC - MF 1-5	8,980	183.99	1.0039	184.71	1.0007	184.84	-	2.29	3.82	190.95	1.0001	190.97	0.95	190.02	167.43	170.51
RC - MF 6-14	15,752	173.18	1.0039	173.86	0.9996	173.79	-	2.29	3.59	179.67	1.0000	179.67	0.90	178.77	157.60	160.44
RC - M 15-44	6,326	249.44	1.0447	260.59	1.0001	260.62	1.51	0.95	5.37	268.45	1.0000	268.45	1.34	267.11	228.86	240.06
RC - F 15-44	14,831	401.55	1.0447	419.50	1.0009	419.88	2.49	0.39	8.63	431.39	1.0000	431.39	2.16	429.23	368.42	385.63
RC - MF 45+	3,941	598.09	1.0447	624.82	0.9972	623.07	3.18	-	12.78	639.03	1.0000	639.03	3.20	635.83	548.75	571.67
RC - EFP	376	18.22	1.0000	18.22	1.0000	18.22	-	-	0.37	18.59	1.0000	18.59	-	18.59	16.12	16.12
RC - SOBRA	n/a	13,339.02	1.0000	13,339.02	1.0000	13,339.02	-	-	272.22	13,611.24	1.0000	13,611.24	-	13,611.24	12,872.15	12,872.15
Rite Care - Composite	51,686	\$ 294.93		\$ 303.81		\$ 303.80	\$ 1.14	\$ 1.39	\$ 6.25	\$ 312.58		\$ 312.58	\$ 1.56	\$ 311.02	\$ 269.82	\$ 279.34
Children with Special Healthcare Needs																
CSHCN - Adoption Subsidy	484	\$ 644.02	0.9636	\$ 620.58	0.9999	\$ 620.52	\$ 0.12	\$ 2.20	\$ 12.71	\$ 635.55	1.0001	\$ 635.61	\$ 3.18	\$ 632.43	\$ 576.40	\$ 557.62
CSHCN - Katie Beckett	41	3,514.34	0.8880	3,120.73	1.0604	3,309.22	0.18	2.11	67.58	3,379.09	0.9999	3,378.75	16.89	3,361.86	3,215.63	3,029.76
CSHCN - SSI < 15	830	1,624.08	0.8880	1,442.18	0.9993	1,441.17	-	2.29	29.46	1,472.92	1.0000	1,472.92	7.36	1,465.56	1,486.03	1,320.96
CSHCN - SSI >= 15	544	1,256.77	0.8880	1,116.01	0.9949	1,110.32	1.33	1.05	22.71	1,135.41	1.0000	1,135.41	5.68	1,129.73	1,149.94	1,016.99
CSHCN - Substitute Care	-	844.22	1.0000	844.22	1.0000	844.22	0.78	1.32	17.27	863.59	1.0000	863.59	4.32	859.27	755.57	756.89
CSHCN - Composite	1,899	\$ 1,309.88		\$ 1,175.58		\$ 1,177.56	\$ 0.42	\$ 1.91	\$ 24.08	\$ 1,203.97		\$ 1,203.98	\$ 6.02	\$ 1,197.96	\$ 1,195.26	\$ 1,076.22
Medicaid Expansion																
ME - F 19-24	3,345	\$ 316.63	1.0295	\$ 325.97	1.0007	\$ 326.20	\$ 3.18	\$ 0.00	\$ 6.72	\$ 336.10	1.0000	\$ 336.10	\$ 1.68	\$ 334.42	\$ 290.51	\$ 299.29
ME - F 25-29	1,999	461.58	1.0295	475.20	1.0029	476.58	3.18	-	9.79	489.55	1.0000	489.55	2.45	487.10	423.50	437.25
ME - F 30-39	2,136	694.35	1.0295	714.83	1.0006	715.26	3.18	-	14.66	733.10	1.0001	733.17	3.67	729.50	637.07	656.32
ME - F 40-49	2,059	896.38	1.0295	922.82	0.9990	921.90	3.18	-	18.88	943.96	1.0000	943.96	4.72	939.24	822.43	845.84
ME - F 50-64	5,924	837.95	1.0295	862.67	0.9979	860.86	3.18	-	17.63	881.67	1.0000	881.67	4.41	877.26	768.82	789.84
ME - M 19-24	3,298	226.12	1.0295	232.79	1.0020	233.26	3.18	-	4.83	241.27	0.9999	241.25	1.21	240.04	207.46	213.99
ME - M 25-29	2,657	425.73	1.0295	438.29	1.0048	440.39	3.18	-	9.05	452.62	1.0000	452.62	2.26	450.36	390.61	404.06
ME - M 30-39	4,033	637.42	1.0295	656.22	1.0034	658.45	3.18	-	13.50	675.13	0.9999	675.06	3.38	671.68	584.83	604.07
ME - M 40-49	2,555	839.19	1.0295	863.95	1.0012	864.99	3.18	-	17.72	885.89	1.0000	885.89	4.43	881.46	769.96	793.62
ME - M 50-64	5,275	946.69	1.0295	974.62	0.9974	972.09	3.18	-	19.90	995.17	1.0000	995.17	4.98	990.19	868.59	891.89
ME - SOBRA	n/a	13,339.02	1.0000	13,339.02	1.0000	13,339.02	-	-	272.22	13,611.24	1.0000	13,611.24	-	13,611.24	12,872.15	12,872.15
Medicaid Expansion - Composite	33,281	\$ 656.84		\$ 676.21		\$ 676.13	\$ 3.18	\$ 0.00	\$ 13.86	\$ 693.17		\$ 693.17	\$ 3.47	\$ 689.70	\$ 602.65	\$ 620.34
Rhody Health Partners																
RHP - ID	380	\$ 1,348.03	0.9766	\$ 1,316.49	0.9971	\$ 1,312.67	\$ 3.18	\$ 0.00	\$ 26.85	\$ 1,342.70	1.0000	\$ 1,342.70	\$ 6.71	\$ 1,335.99	\$ 1,246.93	\$ 1,214.22
RHP - SPMI	1,220	3,089.01	0.9766	3,016.73	0.9993	3,014.62	3.18	-	61.59	3,079.39	1.0000	3,079.39	15.40	3,063.99	2,857.34	2,788.53
RHP - Other Disabled 21-44	1,509	1,215.98	0.9766	1,187.53	1.0032	1,191.33	3.18	-	24.38	1,218.89	1.0000	1,218.89	6.09	1,212.80	1,124.78	1,101.98
RHP - Other Disabled 45+	3,322	1,878.41	0.9766	1,834.46	0.9997	1,833.91	3.18	-	37.49	1,874.58	1.0000	1,874.58	9.37	1,865.21	1,737.53	1,696.36
RHP - Composite	6,431	\$ 1,921.29		\$ 1,876.34		\$ 1,876.32	\$ 3.18	\$ 0.00	\$ 38.36	\$ 1,917.86		\$ 1,917.86	\$ 9.59	\$ 1,908.27	\$ 1,777.20	\$ 1,735.59
All Populations - Composite	93,297	\$ 556.80		\$ 562.79		\$ 562.80	\$ 1.99	\$ 0.81	\$ 11.54	\$ 577.14		\$ 577.14	\$ 2.89	\$ 574.26	\$ 511.29	\$ 517.58

Notes:
 1. January 2021 Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. SOBRA Payments are excluded for purposes of the illustrated January 2021 composites.
 3. Values have been rounded.

Appendix 2: Prevalence Summaries

State of Rhode Island
 Executive Office of Health and Human Services
 SFY 2022 Risk Adjustment
 CDPS+RX 6.4: Prospective
 CSHCN - Adoption Subsidy

	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs	
Enrollment	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total
Total Enrollment	1,614		24		484		2,122	
Mean Age	10.75		10.11		10.79		10.76	
Males	824	51.1%	15	62.5%	238	49.2%	1,077	50.8%
Females	790	48.9%	9	37.5%	246	50.8%	1,045	49.2%
Total Non-Scored Enrollees	40	2.5%	-	0.0%	6	1.2%	46	2.2%
Total Scored Enrollment	1,574	97.5%	24	100.0%	478	98.8%	2,076	97.8%
Risk Scores								
Mean Risk Score	1.7372		1.1897		1.6552		1.7120	

Demographic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Intercept	0.4278	1,574	100.0%	24	100.0%	478	100.0%	2,076	100.0%
Less than 1	0.1682	2	0.1%	-	0.0%	-	0.0%	2	0.1%
Age 1 to 4	(0.0460)	188	11.9%	4	16.7%	30	6.3%	222	10.7%
Male age 5 to 14	(0.1719)	515	32.7%	12	50.0%	176	36.8%	703	33.9%
Female age 5 to 14	(0.0542)	517	32.8%	5	20.8%	186	38.9%	708	34.1%
Male age 15 to 24	-	185	11.8%	2	8.3%	41	8.6%	228	11.0%
Female age 15 to 24	0.2269	167	10.6%	1	4.2%	45	9.4%	213	10.3%
Male age 25 to 44	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 25 to 44	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 45 to 64	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 45 to 64	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age 65 and over	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age Subtotal		1,574	100.0%	24	100.0%	478	100.0%	2,076	100.0%

Diagnostic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Cardiovascular									
Very high	17.3930	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Medium	0.7498	4	0.3%	-	0.0%	5	1.0%	9	0.4%
Low	0.5782	24	1.5%	-	0.0%	7	1.5%	31	1.5%
Extra low	0.4341	6	0.4%	1	4.2%	1	0.2%	8	0.4%
Psychiatric									
High	6.1227	2	0.1%	-	0.0%	1	0.2%	3	0.1%
Medium	3.2446	79	5.0%	-	0.0%	23	4.8%	102	4.9%
Medium Low	1.1973	522	33.2%	5	20.8%	176	36.8%	703	33.9%
Low	0.7080	80	5.1%	-	0.0%	25	5.2%	105	5.1%
Skeletal									
Medium	0.4022	27	1.7%	1	4.2%	8	1.7%	36	1.7%
Low	0.4022	37	2.4%	-	0.0%	8	1.7%	45	2.2%
Very low	0.3161	47	3.0%	-	0.0%	13	2.7%	60	2.9%
Central Nervous System									
High	11.6187	8	0.5%	-	0.0%	1	0.2%	9	0.4%
Medium	3.0172	13	0.8%	-	0.0%	1	0.2%	14	0.7%
Low	1.0409	43	2.7%	-	0.0%	10	2.1%	53	2.6%
Pulmonary									
Very high	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
High	6.9515	5	0.3%	-	0.0%	-	0.0%	5	0.2%
Medium	0.9758	5	0.3%	-	0.0%	1	0.2%	6	0.3%
Low	0.5712	201	12.8%	1	4.2%	63	13.2%	265	12.8%
Gastrointestinal									
High	9.3274	13	0.8%	-	0.0%	4	0.8%	17	0.8%
Medium	1.9222	6	0.4%	-	0.0%	4	0.8%	10	0.5%
Low	0.5468	41	2.6%	1	4.2%	8	1.7%	50	2.4%
Diabetes									
Type 1 high	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 1 medium	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 2 medium	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 2 low	4.4853	6	0.4%	-	0.0%	1	0.2%	7	0.3%
Skin									
High	4.2543	1	0.1%	-	0.0%	1	0.2%	2	0.1%
Low	0.5119	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very low	0.1966	49	3.1%	1	4.2%	22	4.6%	72	3.5%

State of Rhode Island
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 SFY 2022 Risk Adjustment
 CDPS+RX 6.4: Prospective
 CSHCN - Adoption Subsidy

	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs		
Diagnostic Categories (cont.)	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Renal									
Extra high	11.4537	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very high	6.0796	2	0.1%	-	0.0%	-	0.0%	2	0.1%
Medium	1.9224	-	0.0%	1	4.2%	-	0.0%	1	0.0%
Low	0.7095	63	4.0%	1	4.2%	16	3.3%	80	3.9%
Substance Abuse									
Low	1.0841	12	0.8%	-	0.0%	2	0.4%	14	0.7%
Very low	0.7541	5	0.3%	-	0.0%	3	0.6%	8	0.4%
Cancer									
Very High	19.6039	-	0.0%	-	0.0%	-	0.0%	-	0.0%
High	6.5661	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Medium	1.3792	1	0.1%	-	0.0%	1	0.2%	2	0.1%
Low	1.3792	1	0.1%	-	0.0%	-	0.0%	1	0.0%
Development Disability									
Medium	5.7655	2	0.1%	-	0.0%	1	0.2%	3	0.1%
Low	2.3407	52	3.3%	-	0.0%	11	2.3%	63	3.0%
Genital									
Extra low	0.3559	12	0.8%	-	0.0%	2	0.4%	14	0.7%
Metabolic									
High	1.9822	4	0.3%	-	0.0%	5	1.0%	9	0.4%
Medium	1.9702	11	0.7%	2	8.3%	-	0.0%	13	0.6%
Very low	0.7967	99	6.3%	1	4.2%	17	3.6%	117	5.6%
Pregnancy									
Complete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Incomplete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Eye									
Low	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very low	0.3976	9	0.6%	-	0.0%	2	0.4%	11	0.5%
Cerebrovascular									
Low	1.4772	2	0.1%	-	0.0%	-	0.0%	2	0.1%
Infectious Disease									
AIDS high	8.2614	1	0.1%	-	0.0%	-	0.0%	1	0.0%
Infectious high	6.0685	-	0.0%	-	0.0%	-	0.0%	-	0.0%
HIV medium	1.0519	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Infectious medium	0.6782	1	0.1%	-	0.0%	1	0.2%	2	0.1%
Infectious low	0.2600	4	0.3%	-	0.0%	-	0.0%	4	0.2%
Hematological									
Extra high	36.8397	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very high	2.6658	1	0.1%	-	0.0%	-	0.0%	1	0.0%
Medium	0.5886	5	0.3%	-	0.0%	-	0.0%	5	0.2%
Low	0.5886	3	0.2%	-	0.0%	1	0.2%	4	0.2%

Pharmacy NDC Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Anti-coagulants	1.9310	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Cardiac	1.6902	137	8.7%	3	12.5%	41	8.6%	181	8.7%
Depression/Psychosis/Bipolar	0.6748	25	1.6%	-	0.0%	7	1.5%	32	1.5%
Diabetes	2.0390	3	0.2%	-	0.0%	3	0.6%	6	0.3%
ESRD / Renal	6.4003	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hemophilia/von Willebrands	39.6788	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hepatitis	1.7561	-	0.0%	-	0.0%	-	0.0%	-	0.0%
HIV	1.0791	2	0.1%	-	0.0%	-	0.0%	2	0.1%
Infections, high	7.2561	-	0.0%	-	0.0%	1	0.2%	1	0.0%
Inflammatory /Autoimmune	0.6601	-	0.0%	-	0.0%	1	0.2%	1	0.0%
Malignancies	2.5088	1	0.1%	-	0.0%	-	0.0%	1	0.0%
Multiple Sclerosis	3.9080	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Parkinsons / Tremor	1.6398	-	0.0%	-	0.0%	1	0.2%	1	0.0%
Seizure disorders	1.2232	4	0.3%	-	0.0%	1	0.2%	5	0.2%
Tuberculosis	0.6166	-	0.0%	-	0.0%	-	0.0%	-	0.0%

Child Interaction Factors	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Children's CARVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's CARM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's GIH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's METH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HIVM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's INFM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HEMEH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%

Notes:
 1. Total Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. Scored Enrollment reflects members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.

State of Rhode Island
 Executive Office of Health and Human Services
 SFY 2022 Risk Adjustment
 CDPS+RX 6.4: Prospective
 CSHCN - Non Adoption

	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs	
Enrollment	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total
Total Enrollment	3,589		63		1,415		5,067	
Mean Age	12.37		9.43		11.93		12.21	
Males	2,533	70.6%	40	63.5%	987	69.8%	3,560	70.3%
Females	1,056	29.4%	23	36.5%	428	30.2%	1,507	29.7%
Total Non-Scored Enrollees	28	0.8%	8	12.7%	16	1.1%	52	1.0%
Total Scored Enrollment	3,561	99.2%	55	87.3%	1,399	98.9%	5,015	99.0%
Risk Scores								
Mean Risk Score	0.9765		0.8069		0.8536		0.9404	

Demographic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Intercept	0.0414	3,561	100.0%	55	100.0%	1,399	100.0%	5,015	100.0%
Less than 1	0.1618	32	0.9%	2	3.6%	9	0.6%	43	0.9%
Age 1 to 4	(0.1913)	350	9.8%	12	21.8%	170	12.2%	532	10.6%
Male age 5 to 14	(0.1328)	1,391	39.1%	22	40.0%	526	37.6%	1,939	38.7%
Female age 5 to 14	(0.0572)	499	14.0%	7	12.7%	214	15.3%	720	14.4%
Male age 15 to 24	-	891	25.0%	5	9.1%	341	24.3%	1,236	24.6%
Female age 15 to 24	0.0426	398	11.2%	7	12.7%	139	9.9%	543	10.8%
Male age 25 to 44	0.1625	-	0.0%	-	0.0%	-	0.1%	1	0.0%
Female age 25 to 44	0.0710	-	0.0%	-	0.0%	-	0.1%	1	0.0%
Male age 45 to 64	(0.0372)	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 45 to 64	(0.0951)	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age 65 and over	0.0337	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age Subtotal		3,561	100.0%	55	100.0%	1,399	100.0%	5,015	100.0%

Diagnostic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Cardiovascular									
Very high	1.6156	9	0.3%	-	0.0%	2	0.1%	11	0.2%
Medium	0.5163	54	1.5%	1	1.8%	22	1.6%	77	1.5%
Low	0.1741	164	4.6%	2	3.6%	58	4.1%	224	4.5%
Extra low	0.0541	52	1.5%	1	1.8%	11	0.8%	64	1.3%
Psychiatric									
High	0.9773	37	1.0%	1	1.8%	11	0.8%	49	1.0%
Medium	0.6186	1,008	28.3%	21	38.2%	435	31.1%	1,464	29.2%
Medium Low	0.2803	1,016	28.5%	11	20.0%	372	26.6%	1,399	27.9%
Low	0.1595	106	3.0%	1	1.8%	40	2.9%	147	2.9%
Skeletal									
Medium	0.1859	139	3.9%	3	5.5%	54	3.9%	196	3.9%
Low	0.1120	135	3.8%	2	3.6%	45	3.2%	182	3.6%
Very low	0.0674	143	4.0%	2	3.6%	54	3.9%	199	4.0%
Central Nervous System									
High	1.6959	77	2.2%	2	3.6%	13	0.9%	92	1.8%
Medium	0.6899	126	3.5%	1	1.8%	37	2.6%	164	3.3%
Low	0.3613	317	8.9%	1	1.8%	125	8.9%	443	8.8%
Pulmonary									
Very high	1.8388	41	1.2%	-	0.0%	15	1.1%	56	1.1%
High	0.9202	2	0.1%	-	0.0%	-	0.0%	2	0.0%
Medium	0.5137	69	1.9%	1	1.8%	27	1.9%	97	1.9%
Low	0.0996	653	18.3%	6	10.9%	207	14.8%	866	17.3%
Gastrointestinal									
High	0.6546	128	3.6%	1	1.8%	44	3.1%	173	3.4%
Medium	0.3920	40	1.1%	-	0.0%	16	1.1%	56	1.1%
Low	0.1144	184	5.2%	2	3.6%	73	5.2%	259	5.2%
Diabetes									
Type 1 high	0.5211	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 1 medium	0.5047	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 2 medium	0.1756	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 2 low	0.1274	51	1.4%	-	0.0%	17	1.2%	68	1.4%
Skin									
High	0.8896	6	0.2%	1	1.8%	2	0.1%	9	0.2%
Low	0.4681	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very low	0.0953	176	4.9%	1	1.8%	44	3.1%	221	4.4%

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	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs		
Diagnostic Categories (cont.)	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Renal									
Extra high	3.5543	2	0.1%	-	0.0%	-	0.0%	2	0.0%
Very high	0.7553	19	0.5%	1	1.8%	4	0.3%	24	0.5%
Medium	0.4776	5	0.1%	-	0.0%	2	0.1%	7	0.1%
Low	0.4776	443	12.4%	8	14.5%	148	10.6%	599	11.9%
Substance Abuse									
Low	0.2411	39	1.1%	-	0.0%	11	0.8%	50	1.0%
Very low	0.0351	11	0.3%	-	0.0%	5	0.4%	16	0.3%
Cancer									
Very High	2.3329	3	0.1%	-	0.0%	-	0.0%	3	0.1%
High	0.9362	30	0.8%	2	3.6%	16	1.1%	48	1.0%
Medium	0.3864	5	0.1%	1	1.8%	1	0.1%	7	0.1%
Low	0.1954	2	0.1%	-	0.0%	1	0.1%	3	0.1%
Development Disability									
Medium	1.4046	49	1.4%	1	1.8%	5	0.4%	55	1.1%
Low	1.1685	502	14.1%	3	5.5%	160	11.4%	665	13.3%
Genital									
Extra low	-	51	1.4%	-	0.0%	21	1.5%	72	1.4%
Metabolic									
High	0.4077	102	2.9%	-	0.0%	42	3.0%	144	2.9%
Medium	0.2935	87	2.4%	2	3.6%	28	2.0%	117	2.3%
Very low	0.1918	553	15.5%	9	16.4%	204	14.6%	766	15.3%
Pregnancy									
Complete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Incomplete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Eye									
Low	0.2453	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very low	0.0769	47	1.3%	1	1.8%	25	1.8%	73	1.5%
Cerebrovascular									
Low	0.1871	39	1.1%	1	1.8%	14	1.0%	54	1.1%
Infectious Disease									
AIDS high	1.5215	3	0.1%	-	0.0%	1	0.1%	4	0.1%
Infectious high	1.3583	2	0.1%	-	0.0%	-	0.0%	2	0.0%
HIV medium	0.5284	3	0.1%	-	0.0%	1	0.1%	4	0.1%
Infectious medium	0.4773	15	0.4%	-	0.0%	4	0.3%	19	0.4%
Infectious low	0.2272	12	0.3%	-	0.0%	4	0.3%	16	0.3%
Hematological									
Extra high	13.9806	1	0.0%	-	0.0%	1	0.1%	2	0.0%
Very high	1.3448	17	0.5%	-	0.0%	2	0.1%	19	0.4%
Medium	0.5685	51	1.4%	-	0.0%	12	0.9%	63	1.3%
Low	0.2915	23	0.6%	1	1.8%	1	0.1%	25	0.5%

Pharmacy NDC Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Anti-coagulants	0.5032	1	0.0%	-	0.0%	-	0.0%	1	0.0%
Cardiac	0.3942	475	13.3%	10	18.2%	150	10.7%	635	12.7%
Depression/Psychosis/Bipolar	0.3050	80	2.2%	-	0.0%	29	2.1%	109	2.2%
Diabetes	0.1962	34	1.0%	-	0.0%	8	0.6%	42	0.8%
ESRD / Renal	1.1722	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hemophilia/von Willebrands	14.2568	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hepatitis	0.4606	-	0.0%	-	0.0%	-	0.0%	-	0.0%
HIV	0.5251	2	0.1%	-	0.0%	1	0.1%	3	0.1%
Infections, high	1.3754	10	0.3%	-	0.0%	3	0.2%	13	0.3%
Inflammatory /Autoimmune	0.2245	8	0.2%	-	0.0%	-	0.0%	8	0.2%
Malignancies	0.4097	20	0.6%	-	0.0%	3	0.2%	23	0.5%
Multiple Sclerosis	0.6747	-	0.0%	-	0.0%	1	0.1%	1	0.0%
Parkinsons / Tremor	0.4912	16	0.4%	1	1.8%	1	0.1%	18	0.4%
Seizure disorders	0.1696	22	0.6%	-	0.0%	6	0.4%	28	0.6%
Tuberculosis	0.2056	1	0.0%	-	0.0%	-	0.0%	1	0.0%

Child Interaction Factors	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Children's CARVH	1.5911	9	0.3%	-	0.0%	2	0.1%	11	0.2%
Children's CARM	0.3305	55	1.5%	1	1.8%	22	1.6%	78	1.6%
Children's PULVH	1.9627	41	1.2%	-	0.0%	15	1.1%	56	1.1%
Children's PULH	0.6572	2	0.1%	-	0.0%	-	0.0%	2	0.0%
Children's GIH	1.2540	128	3.6%	1	1.8%	44	3.1%	173	3.4%
Children's METH	0.7983	102	2.9%	-	0.0%	42	3.0%	144	2.9%
Children's HIVM	0.5069	5	0.1%	-	0.0%	2	0.1%	7	0.1%
Children's INFM	0.4635	15	0.4%	-	0.0%	4	0.3%	19	0.4%
Children's HEMEH	8.8005	1	0.0%	-	0.0%	1	0.1%	2	0.0%

Notes:
 1. Total Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. Scored Enrollment reflects members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.

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	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs	
Enrollment	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total
Total Enrollment	49,700		6,901		33,281		89,882	
Mean Age	37.74		36.33		39.38		38.24	
Males	26,737	53.8%	4,112	59.6%	17,818	53.5%	48,667	54.1%
Females	22,963	46.2%	2,789	40.4%	15,463	46.5%	41,215	45.9%
Total Non-Scored Enrollees	8,918	17.9%	2,548	36.9%	5,276	15.9%	16,742	18.6%
Total Scored Enrollment	40,782	82.1%	4,353	63.1%	28,005	84.1%	73,140	81.4%
Risk Scores								
Mean Risk Score	1.0799		0.8720		1.1917		1.1104	

Demographic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Intercept	0.1637	40,782	100.0%	4,353	100.0%	28,005	100.0%	73,140	100.0%
Less than 1	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age 1 to 4	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 5 to 14	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 5 to 14	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 15 to 24	-	5,954	14.6%	554	12.7%	3,319	11.9%	9,827	13.4%
Female age 15 to 24	0.0318	5,559	13.6%	442	10.2%	3,214	11.5%	9,215	12.6%
Male age 25 to 44	0.0553	9,794	24.0%	1,561	35.9%	6,427	22.9%	17,782	24.3%
Female age 25 to 44	0.1151	5,321	13.0%	636	14.6%	3,918	14.0%	9,875	13.5%
Male age 45 to 64	0.1902	6,484	15.9%	596	13.7%	5,383	19.2%	12,463	17.0%
Female age 45 to 64	0.1949	7,670	18.8%	564	13.0%	5,744	20.5%	13,978	19.1%
Age 65 and over	0.2011	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age Subtotal		40,782	100.0%	4,353	100.0%	28,005	100.0%	73,140	100.0%

Diagnostic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Cardiovascular									
Very high	2.7499	24	0.1%	2	0.0%	27	0.1%	53	0.1%
Medium	1.0314	590	1.4%	48	1.1%	540	1.9%	1,178	1.6%
Low	0.5096	1,838	4.5%	126	2.9%	1,438	5.1%	3,402	4.7%
Extra low	0.2759	5,224	12.8%	336	7.7%	4,032	14.4%	9,592	13.1%
Psychiatric									
High	1.5154	306	0.8%	49	1.1%	226	0.8%	581	0.8%
Medium	1.1668	1,142	2.8%	133	3.1%	886	3.2%	2,161	3.0%
Medium Low	0.5841	6,415	15.7%	488	11.2%	5,137	18.3%	12,040	16.5%
Low	0.3002	2,090	5.1%	181	4.2%	1,629	5.8%	3,900	5.3%
Skeletal									
Medium	0.8029	921	2.3%	69	1.6%	673	2.4%	1,663	2.3%
Low	0.3351	1,553	3.8%	78	1.8%	1,260	4.5%	2,891	4.0%
Very low	0.3351	1,444	3.5%	106	2.4%	1,201	4.3%	2,751	3.8%
Central Nervous System									
High	2.1993	19	0.0%	-	0.0%	13	0.0%	32	0.0%
Medium	1.5959	154	0.4%	10	0.2%	163	0.6%	327	0.4%
Low	0.6330	1,624	4.0%	139	3.2%	1,333	4.8%	3,096	4.2%
Pulmonary									
Very high	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
High	1.6459	81	0.2%	11	0.3%	76	0.3%	168	0.2%
Medium	0.8269	365	0.9%	30	0.7%	266	0.9%	661	0.9%
Low	0.3566	4,160	10.2%	320	7.4%	3,204	11.4%	7,684	10.5%
Gastrointestinal									
High	1.3795	134	0.3%	10	0.2%	114	0.4%	258	0.4%
Medium	1.3795	1,032	2.5%	75	1.7%	905	3.2%	2,012	2.8%
Low	0.2833	3,699	9.1%	262	6.0%	2,917	10.4%	6,878	9.4%
Diabetes									
Type 1 high	1.3390	28	0.1%	-	0.0%	14	0.0%	42	0.1%
Type 1 medium	1.3390	274	0.7%	20	0.5%	186	0.7%	480	0.7%
Type 2 medium	0.6897	694	1.7%	30	0.7%	518	1.8%	1,242	1.7%
Type 2 low	0.3981	1,999	4.9%	95	2.2%	1,336	4.8%	3,430	4.7%
Skin									
High	1.7266	41	0.1%	1	0.0%	28	0.1%	70	0.1%
Low	1.0267	112	0.3%	13	0.3%	97	0.3%	222	0.3%
Very low	0.2792	1,751	4.3%	149	3.4%	1,367	4.9%	3,267	4.5%

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Diagnostic Categories (cont.)	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Renal									
Extra high	4.1619	20	0.0%	1	0.0%	25	0.1%	46	0.1%
Very high	1.9541	340	0.8%	20	0.5%	259	0.9%	619	0.8%
Medium	0.9096	48	0.1%	2	0.0%	36	0.1%	86	0.1%
Low	0.4509	549	1.3%	30	0.7%	433	1.5%	1,012	1.4%
Substance Abuse									
Low	1.2611	3,734	9.2%	343	7.9%	2,563	9.2%	6,640	9.1%
Very low	0.4161	1,747	4.3%	209	4.8%	1,310	4.7%	3,266	4.5%
Cancer									
Very High	7.1372	59	0.1%	6	0.1%	68	0.2%	133	0.2%
High	2.5878	181	0.4%	12	0.3%	144	0.5%	337	0.5%
Medium	0.7751	90	0.2%	4	0.1%	52	0.2%	146	0.2%
Low	0.3970	259	0.6%	19	0.4%	292	1.0%	570	0.8%
Development Disability									
Medium	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Low	0.0592	75	0.2%	13	0.3%	46	0.2%	134	0.2%
Genital									
Extra low	0.1193	846	2.1%	55	1.3%	704	2.5%	1,605	2.2%
Metabolic									
High	0.6940	236	0.6%	18	0.4%	180	0.6%	434	0.6%
Medium	0.6940	571	1.4%	38	0.9%	497	1.8%	1,106	1.5%
Very low	0.5118	845	2.1%	86	2.0%	723	2.6%	1,654	2.3%
Pregnancy									
Complete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Incomplete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Eye									
Low	0.3949	262	0.6%	5	0.1%	178	0.6%	445	0.6%
Very low	0.1844	1,101	2.7%	34	0.8%	912	3.3%	2,047	2.8%
Cerebrovascular									
Low	0.5509	105	0.3%	5	0.1%	96	0.3%	206	0.3%
Infectious Disease									
AIDS high	2.8706	160	0.4%	19	0.4%	109	0.4%	288	0.4%
Infectious high	1.8877	16	0.0%	1	0.0%	11	0.0%	28	0.0%
HIV medium	0.9987	50	0.1%	1	0.0%	46	0.2%	97	0.1%
Infectious medium	0.8582	194	0.5%	21	0.5%	155	0.6%	370	0.5%
Infectious low	0.8582	676	1.7%	46	1.1%	461	1.6%	1,183	1.6%
Hematological									
Extra high	8.4046	4	0.0%	-	0.0%	3	0.0%	7	0.0%
Very high	1.4998	10	0.0%	1	0.0%	9	0.0%	20	0.0%
Medium	0.7671	243	0.6%	13	0.3%	183	0.7%	439	0.6%
Low	0.4719	314	0.8%	21	0.5%	274	1.0%	609	0.8%

Pharmacy NDC Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Anti-coagulants	0.9928	342	0.8%	26	0.6%	247	0.9%	615	0.8%
Cardiac	0.3700	2,493	6.1%	212	4.9%	1,626	5.8%	4,331	5.9%
Depression/Psychosis/Bipolar	0.2832	3,127	7.7%	295	6.8%	2,481	8.9%	5,903	8.1%
Diabetes	0.3256	485	1.2%	43	1.0%	256	0.9%	784	1.1%
ESRD / Renal	2.3905	13	0.0%	4	0.1%	7	0.0%	24	0.0%
Hemophilia/von Willebrands	8.4330	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hepatitis	0.9196	113	0.3%	7	0.2%	60	0.2%	180	0.2%
HIV	1.1026	127	0.3%	16	0.4%	97	0.3%	240	0.3%
Infections, high	1.9463	49	0.1%	6	0.1%	56	0.2%	111	0.2%
Inflammatory /Autoimmune	1.3444	157	0.4%	10	0.2%	105	0.4%	272	0.4%
Malignancies	1.2620	244	0.6%	13	0.3%	165	0.6%	422	0.6%
Multiple Sclerosis	1.3411	10	0.0%	-	0.0%	6	0.0%	16	0.0%
Parkinsons / Tremor	0.7468	158	0.4%	12	0.3%	124	0.4%	294	0.4%
Seizure disorders	0.4402	195	0.5%	16	0.4%	110	0.4%	321	0.4%
Tuberculosis	0.3695	35	0.1%	2	0.0%	17	0.1%	54	0.1%

Child Interaction Factors	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Children's CARVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's CARM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's GIH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's METH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HIVM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's INFM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HEMEH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%

Notes:
 1. Total Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. Scored Enrollment reflects members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.

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	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs		
Enrollment	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	
Total Enrollment	46,413		2,988		25,098		74,499		
Mean Age	30.52		30.69		31.32		30.79		
Males	14,032	30.2%	949	31.8%	7,890	31.4%	22,871	30.7%	
Females	32,381	69.8%	2,039	68.2%	17,208	68.6%	51,628	69.3%	
Total Non-Scored Enrollees	4,825	10.4%	1,080	36.1%	2,817	11.2%	8,722	11.7%	
Total Scored Enrollment	41,588	89.6%	1,908	63.9%	22,281	88.8%	65,777	88.3%	
Risk Scores									
Mean Risk Score	0.7640		0.6678		0.8319		0.7842		
Demographic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Intercept	0.1637	41,588	100.0%	1,908	100.0%	22,281	100.0%	65,777	100.0%
Less than 1	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age 1 to 4	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 5 to 14	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 5 to 14	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 15 to 24	-	6,619	15.9%	226	11.8%	3,529	15.8%	10,374	15.8%
Female age 15 to 24	0.0318	9,147	22.0%	451	23.6%	4,548	20.4%	14,146	21.5%
Male age 25 to 44	0.0553	3,999	9.6%	271	14.2%	2,251	10.1%	6,521	9.9%
Female age 25 to 44	0.1151	17,094	41.1%	792	41.5%	8,986	40.3%	26,872	40.9%
Male age 45 to 64	0.1902	1,910	4.6%	82	4.3%	1,182	5.3%	3,174	4.8%
Female age 45 to 64	0.1949	2,819	6.8%	86	4.5%	1,785	8.0%	4,690	7.1%
Age 65 and over	0.2011	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age Subtotal		41,588	100.0%	1,908	100.0%	22,281	100.0%	65,777	100.0%
Diagnostic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Cardiovascular									
Very high	2.7499	11	0.0%	-	0.0%	8	0.0%	19	0.0%
Medium	1.0314	302	0.7%	14	0.7%	191	0.9%	507	0.8%
Low	0.5096	1,179	2.8%	48	2.5%	685	3.1%	1,912	2.9%
Extra low	0.2759	2,854	6.9%	92	4.8%	1,573	7.1%	4,519	6.9%
Psychiatric									
High	1.5154	67	0.2%	5	0.3%	46	0.2%	118	0.2%
Medium	1.1668	701	1.7%	28	1.5%	477	2.1%	1,206	1.8%
Medium Low	0.5841	6,176	14.9%	246	12.9%	4,126	18.5%	10,548	16.0%
Low	0.3002	2,368	5.7%	84	4.4%	1,362	6.1%	3,814	5.8%
Skeletal									
Medium	0.8029	723	1.7%	25	1.3%	490	2.2%	1,238	1.9%
Low	0.3351	1,219	2.9%	35	1.8%	715	3.2%	1,969	3.0%
Very low	0.3351	1,175	2.8%	30	1.6%	757	3.4%	1,962	3.0%
Central Nervous System									
High	2.1993	9	0.0%	-	0.0%	6	0.0%	15	0.0%
Medium	1.5959	154	0.4%	2	0.1%	117	0.5%	273	0.4%
Low	0.6330	856	2.1%	34	1.8%	542	2.4%	1,432	2.2%
Pulmonary									
Very high	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
High	1.6459	33	0.1%	-	0.0%	19	0.1%	52	0.1%
Medium	0.8269	154	0.4%	5	0.3%	92	0.4%	251	0.4%
Low	0.3566	4,208	10.1%	137	7.2%	2,410	10.8%	6,755	10.3%
Gastrointestinal									
High	1.3795	104	0.3%	4	0.2%	88	0.4%	196	0.3%
Medium	1.3795	662	1.6%	24	1.3%	375	1.7%	1,061	1.6%
Low	0.2833	3,237	7.8%	101	5.3%	1,893	8.5%	5,231	8.0%
Diabetes									
Type 1 high	1.3390	19	0.0%	1	0.1%	6	0.0%	26	0.0%
Type 1 medium	1.3390	156	0.4%	6	0.3%	92	0.4%	254	0.4%
Type 2 medium	0.6897	257	0.6%	10	0.5%	135	0.6%	402	0.6%
Type 2 low	0.3981	1,065	2.6%	29	1.5%	537	2.4%	1,631	2.5%
Skin									
High	1.7266	11	0.0%	-	0.0%	8	0.0%	19	0.0%
Low	1.0267	43	0.1%	2	0.1%	25	0.1%	70	0.1%
Very low	0.2792	1,592	3.8%	51	2.7%	901	4.0%	2,544	3.9%

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	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs		
Diagnostic Categories (cont.)	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Renal									
Extra high	4.1619	17	0.0%	1	0.1%	5	0.0%	23	0.0%
Very high	1.9541	113	0.3%	9	0.5%	67	0.3%	189	0.3%
Medium	0.9096	43	0.1%	-	0.0%	18	0.1%	61	0.1%
Low	0.4509	543	1.3%	23	1.2%	293	1.3%	859	1.3%
Substance Abuse									
Low	1.2611	1,332	3.2%	52	2.7%	931	4.2%	2,315	3.5%
Very low	0.4161	593	1.4%	31	1.6%	337	1.5%	961	1.5%
Cancer									
Very High	7.1372	30	0.1%	2	0.1%	13	0.1%	45	0.1%
High	2.5878	94	0.2%	3	0.2%	45	0.2%	142	0.2%
Medium	0.7751	43	0.1%	2	0.1%	21	0.1%	66	0.1%
Low	0.3970	123	0.3%	3	0.2%	80	0.4%	206	0.3%
Development Disability									
Medium	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Low	0.0592	74	0.2%	1	0.1%	39	0.2%	114	0.2%
Genital									
Extra low	0.1193	1,946	4.7%	88	4.6%	1,041	4.7%	3,075	4.7%
Metabolic									
High	0.6940	251	0.6%	12	0.6%	128	0.6%	391	0.6%
Medium	0.6940	259	0.6%	10	0.5%	177	0.8%	446	0.7%
Very low	0.5118	533	1.3%	16	0.8%	320	1.4%	869	1.3%
Pregnancy									
Complete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Incomplete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Eye									
Low	0.3949	167	0.4%	5	0.3%	101	0.5%	273	0.4%
Very low	0.1844	354	0.9%	8	0.4%	185	0.8%	547	0.8%
Cerebrovascular									
Low	0.5509	53	0.1%	-	0.0%	26	0.1%	79	0.1%
Infectious Disease									
AIDS high	2.8706	65	0.2%	3	0.2%	19	0.1%	87	0.1%
Infectious high	1.8877	5	0.0%	-	0.0%	5	0.0%	10	0.0%
HIV medium	0.9987	13	0.0%	1	0.1%	15	0.1%	29	0.0%
Infectious medium	0.8582	120	0.3%	5	0.3%	68	0.3%	193	0.3%
Infectious low	0.8582	376	0.9%	9	0.5%	217	1.0%	602	0.9%
Hematological									
Extra high	8.4046	3	0.0%	1	0.1%	1	0.0%	5	0.0%
Very high	1.4998	11	0.0%	1	0.1%	4	0.0%	16	0.0%
Medium	0.7671	343	0.8%	11	0.6%	155	0.7%	509	0.8%
Low	0.4719	264	0.6%	12	0.6%	147	0.7%	423	0.6%

Pharmacy NDC Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Anti-coagulants	0.9928	191	0.5%	6	0.3%	96	0.4%	293	0.4%
Cardiac	0.3700	1,624	3.9%	52	2.7%	928	4.2%	2,604	4.0%
Depression/Psychosis/Bipolar	0.2832	2,540	6.1%	117	6.1%	1,586	7.1%	4,243	6.5%
Diabetes	0.3256	430	1.0%	16	0.8%	187	0.8%	633	1.0%
ESRD / Renal	2.3905	11	0.0%	-	0.0%	9	0.0%	20	0.0%
Hemophilia/von Willebrands	8.4330	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hepatitis	0.9196	23	0.1%	3	0.2%	11	0.0%	37	0.1%
HIV	1.1026	46	0.1%	2	0.1%	14	0.1%	62	0.1%
Infections, high	1.9463	25	0.1%	-	0.0%	20	0.1%	45	0.1%
Inflammatory /Autoimmune	1.3444	114	0.3%	5	0.3%	55	0.2%	174	0.3%
Malignancies	1.2620	157	0.4%	6	0.3%	86	0.4%	249	0.4%
Multiple Sclerosis	1.3411	5	0.0%	-	0.0%	1	0.0%	6	0.0%
Parkinsons / Tremor	0.7468	49	0.1%	2	0.1%	33	0.1%	84	0.1%
Seizure disorders	0.4402	164	0.4%	3	0.2%	60	0.3%	227	0.3%
Tuberculosis	0.3695	50	0.1%	1	0.1%	14	0.1%	65	0.1%

Child Interaction Factors	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Children's CARVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's CARM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's GIH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's METH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HIVM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's INFM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HEMEH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%

Notes:
 1. Total Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. Scored Enrollment reflects members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.

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	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs	
Enrollment	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total
Total Enrollment	50,356		3,205		24,732		78,293	
Mean Age	7.04		5.76		7.01		6.98	
Males	25,317	50.3%	1,641	51.2%	12,488	50.5%	39,446	50.4%
Females	25,039	49.7%	1,564	48.8%	12,244	49.5%	38,847	49.6%
Total Non-Scored Enrollees	1,771	3.5%	931	29.0%	1,091	4.4%	3,793	4.8%
Total Scored Enrollment	48,585	96.5%	2,274	71.0%	23,641	95.6%	74,500	95.2%
Risk Scores								
Mean Risk Score	0.8072		0.7509		0.8096		0.8062	

Demographic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Intercept	0.4278	48,585	100.0%	2,274	100.0%	23,641	100.0%	74,500	100.0%
Less than 1	0.1682	3,407	7.0%	309	13.6%	1,593	6.7%	5,309	7.1%
Age 1 to 4	(0.0460)	13,766	28.3%	841	37.0%	6,886	29.1%	21,493	28.8%
Male age 5 to 14	(0.1719)	15,741	32.4%	571	25.1%	7,668	32.4%	23,980	32.2%
Female age 5 to 14	(0.0542)	15,671	32.3%	553	24.3%	7,494	31.7%	23,718	31.8%
Male age 15 to 24	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 15 to 24	0.2269	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 25 to 44	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 25 to 44	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 45 to 64	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 45 to 64	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age 65 and over	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age Subtotal		48,585	100.0%	2,274	100.0%	23,641	100.0%	74,500	100.0%

Diagnostic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Cardiovascular									
Very high	17.3930	1	0.0%	-	0.0%	1	0.0%	2	0.0%
Medium	0.7498	142	0.3%	7	0.3%	66	0.3%	215	0.3%
Low	0.5782	487	1.0%	20	0.9%	256	1.1%	763	1.0%
Extra low	0.4341	101	0.2%	3	0.1%	33	0.1%	137	0.2%
Psychiatric									
High	6.1227	1	0.0%	-	0.0%	1	0.0%	2	0.0%
Medium	3.2446	542	1.1%	29	1.3%	347	1.5%	918	1.2%
Medium Low	1.1973	4,095	8.4%	93	4.1%	2,141	9.1%	6,329	8.5%
Low	0.7080	1,520	3.1%	44	1.9%	727	3.1%	2,291	3.1%
Skeletal									
Medium	0.4022	566	1.2%	30	1.3%	303	1.3%	899	1.2%
Low	0.4022	1,009	2.1%	43	1.9%	480	2.0%	1,532	2.1%
Very low	0.3161	1,158	2.4%	46	2.0%	616	2.6%	1,820	2.4%
Central Nervous System									
High	11.6187	19	0.0%	-	0.0%	4	0.0%	23	0.0%
Medium	3.0172	44	0.1%	2	0.1%	32	0.1%	78	0.1%
Low	1.0409	589	1.2%	22	1.0%	292	1.2%	903	1.2%
Pulmonary									
Very high	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
High	6.9515	31	0.1%	6	0.3%	22	0.1%	59	0.1%
Medium	0.9758	185	0.4%	13	0.6%	67	0.3%	265	0.4%
Low	0.5712	5,171	10.6%	143	6.3%	2,339	9.9%	7,653	10.3%
Gastrointestinal									
High	9.3274	55	0.1%	6	0.3%	33	0.1%	94	0.1%
Medium	1.9222	106	0.2%	3	0.1%	35	0.1%	144	0.2%
Low	0.5468	1,441	3.0%	94	4.1%	790	3.3%	2,325	3.1%
Diabetes									
Type 1 high	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 1 medium	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 2 medium	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Type 2 low	4.4853	65	0.1%	3	0.1%	28	0.1%	96	0.1%
Skin									
High	4.2543	4	0.0%	-	0.0%	3	0.0%	7	0.0%
Low	0.5119	4	0.0%	1	0.0%	1	0.0%	6	0.0%
Very low	0.1966	1,394	2.9%	53	2.3%	724	3.1%	2,171	2.9%

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Diagnostic Categories (cont.)	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Renal									
Extra high	11.4537	1	0.0%	1	0.0%	1	0.0%	3	0.0%
Very high	6.0796	8	0.0%	-	0.0%	4	0.0%	12	0.0%
Medium	1.9224	18	0.0%	2	0.1%	7	0.0%	27	0.0%
Low	0.7095	507	1.0%	19	0.8%	259	1.1%	785	1.1%
Substance Abuse									
Low	1.0841	23	0.0%	1	0.0%	12	0.1%	36	0.0%
Very low	0.7541	3	0.0%	-	0.0%	1	0.0%	4	0.0%
Cancer									
Very High	19.6039	1	0.0%	-	0.0%	-	0.0%	1	0.0%
High	6.5661	23	0.0%	2	0.1%	7	0.0%	32	0.0%
Medium	1.3792	9	0.0%	-	0.0%	2	0.0%	11	0.0%
Low	1.3792	5	0.0%	1	0.0%	1	0.0%	7	0.0%
Development Disability									
Medium	5.7655	8	0.0%	-	0.0%	2	0.0%	10	0.0%
Low	2.3407	164	0.3%	5	0.2%	68	0.3%	237	0.3%
Genital									
Extra low	0.3559	385	0.8%	32	1.4%	160	0.7%	577	0.8%
Metabolic									
High	1.9822	214	0.4%	5	0.2%	93	0.4%	312	0.4%
Medium	1.9702	187	0.4%	1	0.0%	84	0.4%	272	0.4%
Very low	0.7967	2,944	6.1%	135	5.9%	1,286	5.4%	4,365	5.9%
Pregnancy									
Complete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Incomplete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Eye									
Low	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Very low	0.3976	273	0.6%	14	0.6%	131	0.6%	418	0.6%
Cerebrovascular									
Low	1.4772	19	0.0%	-	0.0%	8	0.0%	27	0.0%
Infectious Disease									
AIDS high	8.2614	5	0.0%	-	0.0%	-	0.0%	5	0.0%
Infectious high	6.0685	5	0.0%	-	0.0%	1	0.0%	6	0.0%
HIV medium	1.0519	3	0.0%	1	0.0%	1	0.0%	5	0.0%
Infectious medium	0.6782	32	0.1%	1	0.0%	13	0.1%	46	0.1%
Infectious low	0.2600	340	0.7%	22	1.0%	131	0.6%	493	0.7%
Hematological									
Extra high	36.8397	6	0.0%	-	0.0%	-	0.0%	6	0.0%
Very high	2.6658	31	0.1%	1	0.0%	18	0.1%	50	0.1%
Medium	0.5886	445	0.9%	13	0.6%	171	0.7%	629	0.8%
Low	0.5886	103	0.2%	3	0.1%	31	0.1%	137	0.2%

Pharmacy NDC Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Anti-coagulants	1.9310	3	0.0%	-	0.0%	1	0.0%	4	0.0%
Cardiac	1.6902	504	1.0%	20	0.9%	254	1.1%	778	1.0%
Depression/Psychosis/Bipolar	0.6748	131	0.3%	4	0.2%	76	0.3%	211	0.3%
Diabetes	2.0390	10	0.0%	-	0.0%	6	0.0%	16	0.0%
ESRD / Renal	6.4003	3	0.0%	-	0.0%	-	0.0%	3	0.0%
Hemophilia/von Willebrands	39.6788	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hepatitis	1.7561	-	0.0%	-	0.0%	-	0.0%	-	0.0%
HIV	1.0791	5	0.0%	-	0.0%	1	0.0%	6	0.0%
Infections, high	7.2561	5	0.0%	-	0.0%	-	0.0%	5	0.0%
Inflammatory /Autoimmune	0.6601	3	0.0%	-	0.0%	5	0.0%	8	0.0%
Malignancies	2.5088	23	0.0%	-	0.0%	25	0.1%	48	0.1%
Multiple Sclerosis	3.9080	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Parkinsons / Tremor	1.6398	1	0.0%	-	0.0%	1	0.0%	2	0.0%
Seizure disorders	1.2232	24	0.0%	-	0.0%	14	0.1%	38	0.1%
Tuberculosis	0.6166	12	0.0%	-	0.0%	3	0.0%	15	0.0%

Child Interaction Factors	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Children's CARVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's CARM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULVH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's GIH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's METH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HIVM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's INFM	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HEMEH	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%

Notes:
 1. Total Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. Scored Enrollment reflects members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.

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	Neighborhood Health Plan		Tufts Health Plan		UnitedHealthcare		All MCOs	
Enrollment	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total	Enrollees	% of Total
Total Enrollment	7,232		670		6,426		14,328	
Mean Age	46.30		39.57		47.31		46.44	
Males	3,239	44.8%	436	65.1%	3,185	49.6%	6,860	47.9%
Females	3,993	55.2%	234	34.9%	3,241	50.4%	7,468	52.1%
Total Non-Scored Enrollees	71	1.0%	53	7.9%	58	0.9%	182	1.3%
Total Scored Enrollment	7,161	99.0%	617	92.1%	6,368	99.1%	14,146	98.7%
Risk Scores								
Mean Risk Score	1.1342		0.8862		1.1297		1.1214	

Demographic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Intercept	0.0414	7,161	100.0%	617	100.0%	6,368	100.0%	14,146	100.0%
Less than 1	0.1618	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age 1 to 4	(0.1913)	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 5 to 14	(0.1328)	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Female age 5 to 14	(0.0572)	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Male age 15 to 24	-	335	4.7%	77	12.5%	177	2.8%	589	4.2%
Female age 15 to 24	0.0426	212	3.0%	24	3.9%	95	1.5%	331	2.3%
Male age 25 to 44	0.1625	1,118	15.6%	186	30.1%	1,208	19.0%	2,512	17.8%
Female age 25 to 44	0.0710	1,253	17.5%	91	14.7%	915	14.4%	2,259	16.0%
Male age 45 to 64	(0.0372)	1,752	24.5%	144	23.3%	1,774	27.9%	3,670	25.9%
Female age 45 to 64	(0.0951)	2,491	34.8%	95	15.4%	2,199	34.5%	4,785	33.8%
Age 65 and over	0.0337	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Age Subtotal		7,161	100.0%	617	100.0%	6,368	100.0%	14,146	100.0%

Diagnostic Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Cardiovascular									
Very high	1.6156	40	0.6%	1	0.2%	26	0.4%	67	0.5%
Medium	0.5163	416	5.8%	28	4.5%	336	5.3%	780	5.5%
Low	0.1741	788	11.0%	44	7.1%	747	11.7%	1,579	11.2%
Extra low	0.0541	1,705	23.8%	78	12.6%	1,636	25.7%	3,419	24.2%
Psychiatric									
High	0.9773	663	9.3%	69	11.2%	630	9.9%	1,362	9.6%
Medium	0.6186	832	11.6%	55	8.9%	671	10.5%	1,558	11.0%
Medium Low	0.2803	2,231	31.2%	128	20.7%	1,937	30.4%	4,296	30.4%
Low	0.1595	437	6.1%	23	3.7%	424	6.7%	884	6.2%
Skeletal									
Medium	0.1859	429	6.0%	26	4.2%	461	7.2%	916	6.5%
Low	0.1120	597	8.3%	24	3.9%	504	7.9%	1,125	8.0%
Very low	0.0674	501	7.0%	27	4.4%	553	8.7%	1,081	7.6%
Central Nervous System									
High	1.6959	55	0.8%	3	0.5%	44	0.7%	102	0.7%
Medium	0.6899	194	2.7%	13	2.1%	205	3.2%	412	2.9%
Low	0.3613	933	13.0%	45	7.3%	842	13.2%	1,820	12.9%
Pulmonary									
Very high	1.8388	87	1.2%	7	1.1%	74	1.2%	168	1.2%
High	0.9202	18	0.3%	-	0.0%	8	0.1%	26	0.2%
Medium	0.5137	229	3.2%	13	2.1%	210	3.3%	452	3.2%
Low	0.0996	1,840	25.7%	87	14.1%	1,658	26.0%	3,585	25.3%
Gastrointestinal									
High	0.6546	79	1.1%	3	0.5%	75	1.2%	157	1.1%
Medium	0.3920	464	6.5%	30	4.9%	428	6.7%	922	6.5%
Low	0.1144	1,529	21.4%	54	8.8%	1,371	21.5%	2,954	20.9%
Diabetes									
Type 1 high	0.5211	24	0.3%	3	0.5%	16	0.3%	43	0.3%
Type 1 medium	0.5047	99	1.4%	9	1.5%	95	1.5%	203	1.4%
Type 2 medium	0.1756	509	7.1%	13	2.1%	402	6.3%	924	6.5%
Type 2 low	0.1274	839	11.7%	35	5.7%	717	11.3%	1,591	11.2%
Skin									
High	0.8896	40	0.6%	6	1.0%	45	0.7%	91	0.6%
Low	0.4681	96	1.3%	4	0.6%	84	1.3%	184	1.3%
Very low	0.0953	571	8.0%	35	5.7%	590	9.3%	1,196	8.5%

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	Neighborhood Health Plan			Tufts Health Plan		UnitedHealthcare		All MCOs	
Diagnostic Categories (cont.)	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Renal									
Extra high	3.5543	42	0.6%	2	0.3%	30	0.5%	74	0.5%
Very high	0.7553	284	4.0%	17	2.8%	232	3.6%	533	3.8%
Medium	0.4776	21	0.3%	3	0.5%	22	0.3%	46	0.3%
Low	0.4776	426	5.9%	17	2.8%	382	6.0%	825	5.8%
Substance Abuse									
Low	0.2411	1,171	16.4%	109	17.7%	1,271	20.0%	2,551	18.0%
Very low	0.0351	440	6.1%	34	5.5%	433	6.8%	907	6.4%
Cancer									
Very High	2.3329	42	0.6%	1	0.2%	33	0.5%	76	0.5%
High	0.9362	100	1.4%	6	1.0%	87	1.4%	193	1.4%
Medium	0.3864	35	0.5%	4	0.6%	32	0.5%	71	0.5%
Low	0.1954	111	1.6%	5	0.8%	99	1.6%	215	1.5%
Development Disability									
Medium	1.4046	36	0.5%	1	0.2%	31	0.5%	68	0.5%
Low	1.1685	511	7.1%	35	5.7%	378	5.9%	924	6.5%
Genital									
Extra low	-	352	4.9%	19	3.1%	296	4.6%	667	4.7%
Metabolic									
High	0.4077	97	1.4%	10	1.6%	94	1.5%	201	1.4%
Medium	0.2935	357	5.0%	21	3.4%	281	4.4%	659	4.7%
Very low	0.1918	416	5.8%	25	4.1%	339	5.3%	780	5.5%
Pregnancy									
Complete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Incomplete	-	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Eye									
Low	0.2453	101	1.4%	3	0.5%	77	1.2%	181	1.3%
Very low	0.0769	554	7.7%	7	1.1%	410	6.4%	971	6.9%
Cerebrovascular									
Low	0.1871	119	1.7%	7	1.1%	103	1.6%	229	1.6%
Infectious Disease									
AIDS high	1.5215	126	1.8%	4	0.6%	119	1.9%	249	1.8%
Infectious high	1.3583	4	0.1%	1	0.2%	5	0.1%	10	0.1%
HIV medium	0.5284	16	0.2%	1	0.2%	18	0.3%	35	0.2%
Infectious medium	0.4773	117	1.6%	12	1.9%	105	1.6%	234	1.7%
Infectious low	0.2272	369	5.2%	26	4.2%	350	5.5%	745	5.3%
Hematological									
Extra high	13.9806	3	0.0%	-	0.0%	4	0.1%	7	0.0%
Very high	1.3448	16	0.2%	1	0.2%	13	0.2%	30	0.2%
Medium	0.5685	107	1.5%	8	1.3%	94	1.5%	209	1.5%
Low	0.2915	151	2.1%	11	1.8%	125	2.0%	287	2.0%

Pharmacy NDC Categories	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Anti-coagulants	0.5032	156	2.2%	13	2.1%	144	2.3%	313	2.2%
Cardiac	0.3942	750	10.5%	46	7.5%	643	10.1%	1,439	10.2%
Depression/Psychosis/Bipolar	0.3050	784	10.9%	60	9.7%	733	11.5%	1,577	11.1%
Diabetes	0.1962	129	1.8%	16	2.6%	105	1.6%	250	1.8%
ESRD / Renal	1.1722	3	0.0%	-	0.0%	4	0.1%	7	0.0%
Hemophilia/von Willebrands	14.2568	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Hepatitis	0.4606	46	0.6%	2	0.3%	50	0.8%	98	0.7%
HIV	0.5251	27	0.4%	1	0.2%	19	0.3%	47	0.3%
Infections, high	1.3754	21	0.3%	-	0.0%	20	0.3%	41	0.3%
Inflammatory /Autoimmune	0.2245	26	0.4%	2	0.3%	19	0.3%	47	0.3%
Malignancies	0.4097	89	1.2%	9	1.5%	86	1.4%	184	1.3%
Multiple Sclerosis	0.6747	5	0.1%	1	0.2%	6	0.1%	12	0.1%
Parkinsons / Tremor	0.4912	218	3.0%	17	2.8%	230	3.6%	465	3.3%
Seizure disorders	0.1696	117	1.6%	6	1.0%	62	1.0%	185	1.3%
Tuberculosis	0.2056	6	0.1%	-	0.0%	5	0.1%	11	0.1%

Child Interaction Factors	Custom Weights	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored	Enrollees	% of Scored
Children's CARVH	1.5911	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's CARM	0.3305	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULVH	1.9627	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's PULH	0.6572	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's GIH	1.2540	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's METH	0.7983	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HIVM	0.5069	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's INFM	0.4635	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's HEMEH	8.8005	-	0.0%	-	0.0%	-	0.0%	-	0.0%

Notes:
 1. Total Enrollment reflects all members fully eligible as of January 2021, including those who were not scored.
 2. Scored Enrollment reflects members fully eligible as of January 2021 who had at least six months of enrollment during the SFY 2020 time period.
 3. Members transitioning from Rhody Health Options to Rhody Health Partners in October 2018 are not included in this prevalence summary.



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