



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphhealthcare.com](http://mvphhealthcare.com)

May 24, 2022

Ms. Traci Hughes, FSA, MAAA  
Lewis & Ellis, Inc.  
700 Central Expressway South, Suite 550  
Allen, TX 75013

Re: 2023 Vermont Exchange Rate Filing – Small Group  
SERFF Tracking #: MVPH-133238198

Dear Ms. Hughes:

This letter is in response to your correspondence received 05/17/22 regarding the above-mentioned rate filing. The responses to your questions are provided below.

1. Please provide detailed quantitative and qualitative support for the medical unit cost trend assumption separately for Vermont providers that are governed by the GMCB and all other providers. The support for the providers governed by GMCB should reconcile to the most recently approved budget changes

(<https://gmcbboard.vermont.gov/sites/gmcb/files/documents/B22%20Approved%20Budget%20Submissions%20with%20NPR%20and%20wghtd%20ave%20rate%20graphs%20revised%2020210929%20v2.pdf>)

and include an explanation and support for any differences. The support for all other providers should include the data and any adjustments that were made to the data to determine the best estimate of unit cost changes.

Response:

### **Facility Trends**

The starting point for MVP's facility trends in this rate filing is facility claims processed for all Vermont small group members for the calendar year 2021.

For facilities under GMCB jurisdiction, MVP is using the approved rate increases as summarized on page 18 in the above referenced document, with the following exceptions:

#### **Central Vermont Medical Center (CVMC)**

The Green Mountain Care Board approved a 2.7% mid-year budget increase for fiscal year 2022, after approving 6.0% originally for CVMC. This increase was applied to the second half of 2022, so MVP is reflecting 7.4% in 2022 and 6.0% in 2023 for both IP and OP.



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphhealthcare.com](http://mvphhealthcare.com)

### **Rutland Regional**

In Appendix 2 to Rutland Regional's budget submission the standard requested changes were 4.0% for IP, 4.2% for OP, and -0.3% PHY, for a total commercial increase of 3.6%. This submission was approved as submitted and therefore MVP is reflecting 4.0% for IP and 4.2% for OP.

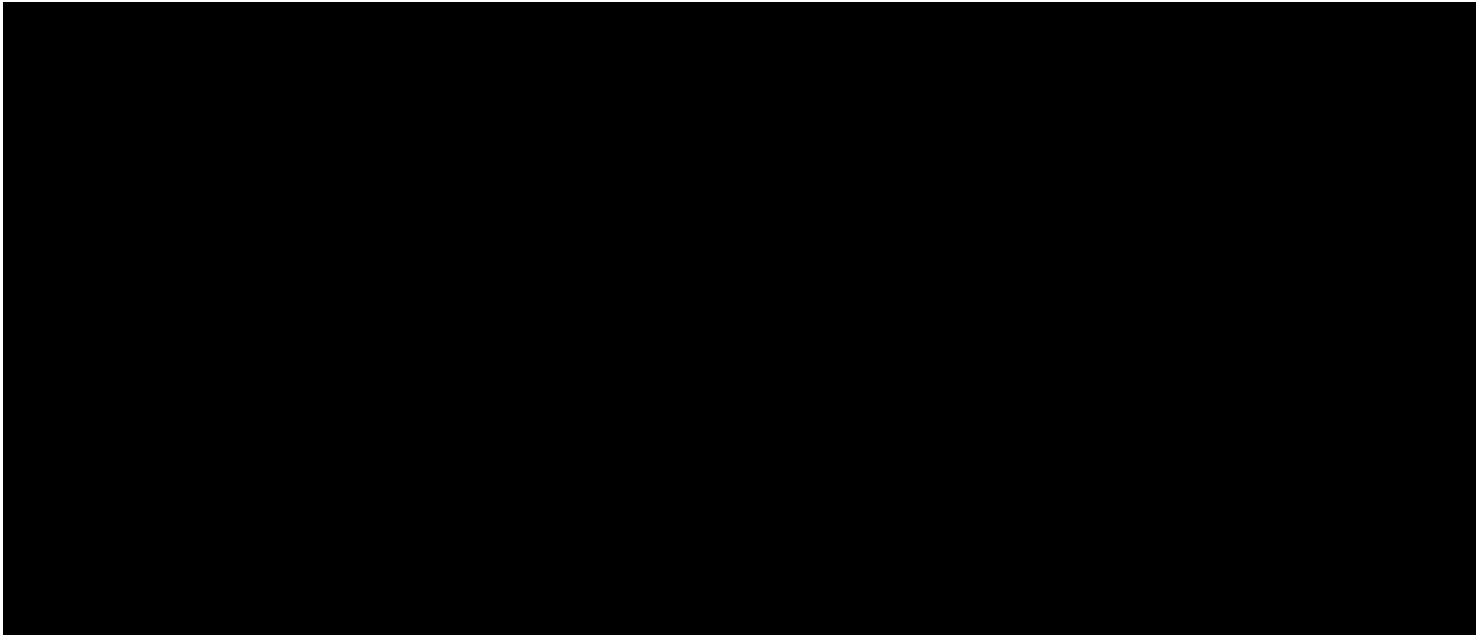
### **Springfield Hospital**

In Appendix 2 to Springfield Hospital's budget submission the standard requested changes were -2.2% for IP and 11.0% for OP, for a total commercial increase of 8.3%. This submission was approved as submitted and therefore MVP is reflecting -2.2% for IP and 11.0% for OP.

### **University of Vermont Medical Center (UVMC)**

The Green Mountain Care Board approved a 2.5% mid-year budget increase for fiscal year 2022, after approving 6.05% originally for UVMC. This increase was applied to the second half of 2022, so MVP is reflecting 7.4% in 2022 and 6.05% in 2023 for both IP and OP.

The trends for facilities under the GMCB's jurisdiction are 6.3% IP / 5.9% OP for 2022/2021 and 5.4% IP / 5.2% OP for 2023/2022.



Overall facility trends are calculated using a weighted average based on 2021 utilization and are 6.2% IP / 5.8% OP for 2022/2021 and 5.7% IP / 5.2% OP for 2023/2022. Please see the tab "Facility Trends" in the attached Excel workbook for the quantitative derivation of the trends.

### **Physician Trends**

MVP has a few different contracting partners for physician claims in Vermont, including medical groups in VT/ NH/NY, individual physicians participating in MVP's network, and physicians outside of MVP's network. The following



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphealthcare.com](http://mvphealthcare.com)

physician groups are under the GMCB's jurisdiction: UVMHC, Porter, Rutland and CVMC. Those trends match the approved GMCB rate increases for 2022, with the same exceptions previously explained. 2023 trends are assumed to be equal to 2022 trends for Porter and Rutland.

The individual trends are weighted together using 2021 experience for all Vermont individual members (in a similar fashion to the facility trends). The resulting physician trend is 3.7% for 2022/2021 and 2.8% for 2023/2022. Please see the "Physician Trends" tab in the attached Excel workbook for a quantitative derivation of this calculation.

2. We acknowledge the following from page 6 of the Actuarial Memorandum, "MVP analyzed historical utilization patterns for the ACA-compliant business to determine whether there has been a utilization trend pattern in the recent past. Because of the rapid membership growth in this block in the past several years and COVID-19, the utilization trends produced by the model were not considered reliable." Please provide the analysis of the historical utilization patterns. This analysis should include quantitative and qualitative components.

Response: MVP used the triple exponential smoothing forecasting method for analyzing historical utilization patterns and projecting them to the rating period. MVP has experienced rapid membership growth in this block of business in the recent past, which may influence the results of historical trend methodologies. The utilization data is aggregated into rolling 12-month time periods at the service category level and adjusted for age/gender based on the Milliman age/gender table. The data inputs as well as the model outputs for the service categories can be seen on tabs "Question #2 Inpatient", "Question #2 Outpatient", and "Question #2 Physician" in the provided excel workbook (Support for L&E Small Objection #2\_SERFF). The results of the blended distribution can be seen in tab "Question #2 Aggregate" in the provided excel workbook (Support for L&E Small Objection #2\_SERFF). MVP has determined that the range of utilization trends forecasted by the model is too large to have confidence in the result.

3. Please elaborate on why the Company decided to remove pooling for claims in excess of \$100,000. This should include quantitative and qualitative components.

Response:

Historically, MVP has removed claims in excess of \$100,000 from the claim projection and replaced them with a pooling charge to account for volatility in high-cost claims. The annual average cost of claims exceeding \$100,000 relative to claims less than \$100,000 for the eligible population has increased significantly over the past few years. MVP does not expect the claim percentage to decrease in the future and is reflecting high-cost claims from the



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
mvphhealthcare.com

experience period. MVP is reducing claim expense for CMS high cost risk pool recoveries as well as corporate reinsurance which is intended to serve as a form of pooling. Please see the following table for the high-cost claim percentage by year:

Time Period	High Cost Claim %
CY2019	12.5%
CY2020	15.6%
CY2021	17.2%

4. Please provide quantitative and further qualitative support for the utilization, unit cost, and deductible leveraging Rx trends in Exhibit 2b. Further, please demonstrate how the trends in Exhibit 2b reconcile to the Rx Trend Summary in Exhibit 2a.

Response: MVP is provided with pharmacy trend estimates by its Pharmacy Benefit Manager, CVSHealth. These trends are run for all of MVP's Vermont fully insured membership (ACA and Large Group) and use historical utilization and unit cost data for those populations. This historical data is combined with CVSHealth estimates of changes in utilization, unit cost and generic dispensing rates to calculate their best estimate of Gross PMPM claim cost trends for 2022 and 2023. MVP also applies its best estimate of contract changes between the experience period and the rating period to the unit cost information using a trend model provided by CVSHealth. Please see the attached exhibit (CONFIDENTIAL MVP\_Vermont\_4Q2021\_CSTM\_02142022) which provides CVSHealth's best estimate of trends as of the time of the filing.

The individual cost components (unit cost and utilization by Generic/Brand/Specialty) are included in the Rx Trend Summary in Exhibit 2a for 2022 and 2023. The trends are annualized and match those on Exhibit 2b. The individual cost components are calculated as follows:

**Generic:** Unit Cost trend is represented by Generic Non-Specialty Cost/Day trend which is found in cell L46 on Page 1 (2022) and Page 2 (2023) of the attached. Generic Non-Specialty Gross Cost PMPM Trend can be found in cell J46 on Page 3 (2022) and Page 4 (2023) of the attached. Utilization is then calculated by taking Gross Cost PMPM Trend divided by the unit cost trend.

**Brand:** Unit Cost trend is represented by Brand Non-Specialty Cost/Day trend which is found in cell M46 on Page 1 (2022) and Page 2 (2023) of the attached. Brand Non-Specialty Gross Cost PMPM Trend can be found in cell F46 on Page 3 (2022) and Page 4 (2023) of the attached. Utilization is then calculated by taking Gross Cost PMPM Trend divided by the unit cost trend. The impact of brand drugs moving to generic is implicitly covered under the cost/day trend under this methodology. This reflects the utilization of the current drug being re-weighted from the brand bucket to the generic bucket.

**Specialty:** Utilization trend is represented by Specialty Utilization trend which is found in cell N47 on Page 1 (2022) and Page 2 (2023) of the attached. Specialty Gross Cost PMPM can be found in cell G47 on Page 1 (2022) and Page 2 (2023) of the attached. Specialty unit cost trend is then calculated by taking Gross Cost PMPM Trend divided by the utilization trend.



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphealthcare.com](http://mvphealthcare.com)

CVSHealth buckets non-Specialty drugs by the first 2 characters of the GPI and Specialty drugs using their proprietary Rx Navigator methodology. The individual contribution of these buckets to Gross Cost PMPM trend can be found in column I of Page 1 (2022) and Page 2 (2023) of the attached. The Other bucket for non-Specialty claims includes all GPI categories not explicitly listed and the other bucket for Specialty claims include all conditions not explicitly listed.

MVP uses the trend factors calculated above and applies them to the experience period cost per script and scripts per 1,000 members to compute an annual paid trend. Scripts per 1,000 is trended using the utilization trends, while the allowed cost per script and coinsurance cost per script amounts are trended using the unit cost trends. Copay per script amounts are not trended and the deductible per script amounts are trended using the paid leveraging factor.

All of these trended items are then converted to a PMPM using the formula ( projected cost per script \* projected scripts per 1,000 members / 12,000 ) and the projected paid claims PMPM is calculated as the difference between the projected allowed claims PMPM and the sum of the cost sharing PMPM amounts. The total (24 month) paid trend (gross of rebate changes) is then calculated as the projected paid claims PMPM divided by the experience period paid claims PMPM. The paid claims net of pharmacy rebates is calculated as the projected net paid claims PMPM divided by the experience period net paid claims PMPM.

The amounts paid under the deductible by members in the experience period are converted to a per script basis. This per script amount is then trended and converted to a projected PMPM as explained above. The trend factor used for this line item is equivalent to the annualized trend factor for claims under the deductible on the medical side, the derivation of which can be found in the response to Question #7.

5. Please provide the historical annual Rx trends observed from 2017-2021, as well as the actual-to-expected ratio for the Rx trend in each year.

Response: Please see the following table for this trend analysis. Trends are taken from the most recent rate filing where a trend occurred (for instance, the 2018 to 2019 expected trend is taken from the 2020 VT Exchange filing).

While reviewing the table, it is important to note that this is a risk-adjusted population, and MVP's membership and demographic mix have changed considerably over the period being measured. Therefore, reviewing the actual-to-expected trends in isolation does not indicate the impact of these trends on MVP's financial performance.

The trends provided by the PBM are calculated based on a static population at the time trends are produced. MVP's membership has grown from about 17% of the market in 2017 to 50% of the market in 2021, and MVP's risk adjustment payment as a percentage of premium has also increased during the same period. These year over year population and risk morbidity changes impact the mix of drugs members are purchasing which can skew actual trends. Also note that actuals and expected in the table below reflect both small and individual data since our PBM provides us with one trend for Vermont.



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
mvphhealthcare.com

**Comparison of Actual to Expected Pharmacy Allowed Trend,  
2017 to 2021, VT Exchange**

Year	Actual	Expected	Difference
2021/2020	13.7%	5.3%	8.0%
2020/2019	21.7%	5.8%	15.0%
2019/2018	2.5%	7.4%	-4.6%
2018/2017	5.1%	12.4%	-6.5%
2017/2016	5.2%	11.1%	-5.3%

6. Please demonstrate how the Medical Trend Summary in Exhibit 2a reconciles to the Year 1 and Year 2 Trends on Wkst 1 of the URRT.

Response: The Medical Trend Summary on Exhibit 2a displays the unit cost and utilization trends by benefit category for the years 2022 and 2023. These correspond to Year 1 and Year 2, respectively, on Wkst 1 of the URRT for the first four benefit categories. The Year 1 and Year 2 trends are annualized for Capitation and Prescription Drug and are therefore equivalent for each category. The Capitation unit cost trend reflects the expected change between the capitated and non-FFS claim expense between the experience period and the projection period. The Prescription Drug unit cost and utilization trend reflect the Total trends on Exhibit 2b of the rate filing.

7. Provide quantitative support for the 1.046 trend factor applied to the claims for the deductible in Exhibit 2a.

Response: To value the impact of trend on claims under the deductible level, MVP utilized the probability distribution function table from its benefit relativity model that corresponds to all medical and pharmacy claims (except for preventive services covered in full). The average cost per claim band was calculated both with and without the total allowed claim trend from the filing, and the “deductible value” is calculated as:

[ Sum product of average claim band and frequency for bands below the deductible] PLUS [ Deductible level times probability of claims above the deductible].

The deductible trend is then calculated as the change in the “deductible value” from the experience period to the rating period.

The total deductible trend is calculated as:

[Sum product of the deductible trend for a plan based on its single deductible level and that plans experience period membership] Divided by [Total experience period membership]

The quantitative derivation of the trend factor has been determined to be confidential and has been provided under separate cover.

8. Please provide quantitative and qualitative support for the Benefit Actuarial Value and Induced Demand reflected in Index Rate in Exhibit 7.



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
mvphhealthcare.com

Response: Please see the tab “Question #8” in the attached Excel document (Support for L&E Small Objection #2\_SERFF) for a quantitative derivation of the experience period average Benefit Relativity and Induced Demand factor. The relativities for all plans are calculated using the same benefit relativity model that is used to price the 2023 plans, and the induced demand factor is calculated using a similar methodology as the rate filing.

9. Please provide an exhibit showing the member months by plan and actuarial value for 2021, 2022 and the projection for 2023.

Response: Please see the tab “Question #9” in the attached Excel file (Support for L&E Small Objection #2\_SERFF) for this exhibit.

10. Please complete the table below:

Response:

Month	Small Group Contracts	Small Group Members
February 2017	2,731	4,618
February 2018	8,465	14,355
February 2019	9,696	16,396
February 2020	12,306	20,843

11. Please provide the national study performed by Wakely Consulting Group for the impact of the National High Cost Reinsurance Pool.

Response: This response has been determined to be confidential and will be provided under separate cover.

12. For each month from January 2018 through March 2022, please provide the total allowed costs, member months, and any normalization factors appropriate to normalize for changes in unit costs, population age factors, and induced utilization.

Response: Please see the tab “Question #12” in the attached Excel document which provides this information. The age normalization reflects the age curve created by HHS and the induced demand normalization factors reflect the induced demand slope MVP uses to price (which complies with HHS guidelines). The unit cost normalization reflects the best estimate of unit cost trends from the most recent filing that a trend was presented (i.e. 2019/2018 trend is from the 2020 Exchange filing, as opposed to the 2019 Exchange filing).

MVP would like to note that any changes to allowed claims for a risk-adjusted population should include a review of risk adjustment payments and receipts. MVP’s risk adjustment payments as a percentage of allowed claims have increased over this period and this will serve to deflate allowed trends above and beyond analysis of a static population.

13. Please provide the bad debt as a percentage of premium over each of the last 3 years.



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphhealthcare.com](http://mvphhealthcare.com)

Response: Please see the tab "Question #13" in the attached Excel document for historical actual bad debt information for years 2019 to 2021.

14. Please provide further qualitative and quantitative support for the adjustment on lines 12-16 of Exhibit 3. This should include a derivation of the calculated impact, disclosure of all assumptions made, as well as support and/or sources used as a basis for assumptions made.

Response:

*Line 12- Adjustment for Waived Cost Share Due to COVID-19*

MVP is removing \$4.89 PMPM to account for cost sharing related to the COVID-19 pandemic including treatment, visits, testing and telehealth that was waived during the experience period. It is expected that the cost sharing will shift back to the members in 2023. Please see the tab "Question #14 Waived Cost Share" in the attached Excel document for further support. There was no cost share on any COVID-19 related claims in 2021, so a cost share factor based on historical utilization was developed and applied to the COVID services. For telehealth, cost share was turned back on 8/1/21 and the reduction to 2021 claims represents the difference in cost on a PMPM basis between all of 2021 and 202108-202112 to get to a level that claims would have been if cost share were taken the whole year.

*Line 13- Adjustment for COVID Services*

MVP analyzed the total expense in the experience period associated with COVID treatment, visits, and testing. After consultation with MVP's medical team, we decided to assume a 30% reduction in Covid cost in the projection period, resulting in the removal of \$4.77 PMPM. The total claim expense for 2021 for Covid-19 services was \$15.90 PMPM. The assumption of 30% was derived from conversations with medical doctors and emerging claims.

*Line 14- Adjustment for COVID Vaccines*

MVP is using the CMS projection of 2023 vaccines as 52% utilization, 1.4 shots per member and \$104 per shot, or \$6.31 PMPM. This represents an increase over our 2021 experience, which was \$2.63 allowed PMPM for this block of business. This results in the additional \$3.68 PMPM. This can be found at [Announcement of Calendar Year \(CY\) 2023 Medicare Advantage \(MA\) Capitation Rates and Part C and Part D Payment Policies \(cms.gov\)](https://www.cms.gov/medicare/medicare-eligibility/2023-medicare-advantage-ma-capitation-rates-and-part-c-and-part-d-payment-policies) on page 27.

*Line 15- Adjustment for Insulin Cap*

The amount of member cost-share greater than \$100 per 30 day supply was calculated for our VT small group and individual blocks of business. The average of this PMPM value for the past 3 years is \$0.06. Please see the tab "Question #14 Insulin" in the attached Excel document for the derivation of the calculated impact.

*Line 16- Adjustment for High Cost Claimant in 2021 Above National Threshold*

MVP had a member with incurred claims in the experience period above \$2 million. We removed 60% of the amount over \$1 million, which is \$2.48 PMPM.

15. Please provide a derivation of the 'Paid to Allowed Ratio Normalization' adjustment of -0.7%. Further, please reconcile how this adjustment ties to the pricing Exhibit(s) provided in file "VT 2023 Exchange Rate Filing





625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphhealthcare.com](http://mvphhealthcare.com)

SMALL\_SERFF.xlsx”.

Response: The experience period allowed PMPM is \$622.11, which can be seen on Wkst 1 of the URRT. The experience period incurred PMPM, which is used in the rate filing, is \$516.31 (line 11 of Exhibit 3). The paid to allowed ratio adjustment is calculated as:

[Experience Period Paid PMPM (line 11 of Exhibit 3)] Divided by [Benefit Relativity \* Induced Demand Reflected in Index Rate (cell G8 of Exhibit 7)] Divided by [Experience Period Allowed PMPM]

This calculation results in a paid to allowed ratio normalization adjustment of -1.0%. This differs from the -0.7% due to adjustments on Exhibit 3 impacting paid dollars but not allowed dollars.

This adjustment has no relevance to the rate filing as MVP develops premiums based on incurred claims, not allowed claims. Therefore, the actual paid to allowed ratio does not impact the premium rates.

16. We are aware of an updated actuarial certification from Wakely for the 2023 Standard Plans due to IRS-release final H.S.A. limits for 2023. Please either confirm that the noted revisions are included in the submitted rate filing or list each revision and provide the calculation of the resulting rate impact. If the latter, do not provide fully revised documentation (URRT, Act Memo, Exhibits, etc.) at this time.

Response: There are a few revisions to both standard and non-standard plans that were not included in the submitted rate filing and are listed below. Please see the tab “Question #16” in the attached Excel document for the resulting premium impact for each plan.

The Rx OOPM benefit changed from \$1,450 to \$1,500 for the following plans:

- VT Plus Gold 3 HDHP
- VT Plus Silver 2 HDHP
- VT Plus Reflective Silver 2 HDHP
- VT Silver 4 HDHP
- VT Reflective Silver 4 HDHP
- VT Bronze 3 HDHP

17. Please provide the administrative costs PMPM as reported in the Supplemental Health Care Exhibit from 2016-2021.

Response: Please see the table below.



625 State Street, PO Box 2207  
Schenectady, NY 12301-2207  
[mvphealthcare.com](http://mvphealthcare.com)

Combined VT AR42 and AR44	Year	SHCE Admin PMPM*
Individual	2016	\$43.81
Small Group	2016	\$38.07
Combined	2016	\$40.51
Individual	2017	\$38.54
Small Group	2017	\$40.72
Combined	2017	\$39.59
Individual	2018	\$42.78
Small Group	2018	\$39.29
Combined	2018	\$40.72
Individual	2019	\$41.04
Small Group	2019	\$38.84
Combined	2019	\$39.86
Individual	2020	\$35.40
Small Group	2020	\$33.65
Combined	2020	\$34.40
Individual	2021	\$51.71
Small Group	2021	\$44.49
Combined	2021	\$47.44

*\*Reflects lines 1.07, 6.6, 8.3, 10.1, and 10.4 of SHCE, Part 1*

If you have any questions or require any additional information, please contact me at [cpontiff@mvphealthcare.com](mailto:cpontiff@mvphealthcare.com).

Sincerely,

Christopher Pontiff, ASA, MAAA  
Senior Leader, Commercial Market Actuary  
MVP Health Care, Inc.

**Derivation of Inpatient Trends for VT Exchange, 2022-2023, by Provider**

Facility Name	Inpatient %	2022 IP Contract	2022 Trended IP %	2023 IP Contract	Notes
Brattleboro Memorial Hospital					GMCB Rate effective 10/01/21 Best estimate of contract negotiation
Brattleboro Retreat					
Central Vermont Physicians Medical Center					GMCB Rate effective 10/01/21
Copley Hospital					GMCB Rate effective 10/01/21
Gifford Medical Center					GMCB Rate effective 10/01/21
Grace Cottage Hospital					GMCB Rate effective 10/01/21
Green Mountain Surgery Center					GMCB Rate effective 10/01/21
Mt. Ascutney Hospital					GMCB Rate effective 10/01/21
North Country Hospital					GMCB Rate effective 10/01/21
Northeast Vermont Regional Hospital					GMCB Rate effective 10/01/21
Northwestern Medical Center					GMCB Rate effective 10/01/21
Porter Hospital					GMCB Rate effective 10/01/21
Rutland Regional					GMCB Rate effective 10/01/21
Southwestern Vermont Medical Center					GMCB Rate effective 10/01/21
Springfield Hospital					GMCB Rate effective 10/01/21
University of Vermont Medical Center					GMCB Rate effective 10/01/21 Best estimate of contract negotiation
Dartmouth-Hitchcock Medical Center (NH)					
New York Participating Hospitals					Blend of best estimates and effective contracts
Rental and Non-participating Hospitals					Blend of best estimates and effective contracts
<b>TOTAL, GMCB HOSPITALS</b>	<b>58.1%</b>	<b>6.3%</b>	<b>58.2%</b>	<b>5.4%</b>	
<b>TOTAL, ALL HOSPITALS</b>	<b>100.0%</b>	<b>6.2%</b>	<b>100.0%</b>	<b>5.7%</b>	

**Derivation of Outpatient Trends for VT Exchange, 2022-2023, by Provider**

Facility Name	Outpatient %	2022 OP Contract	2022 Trended IP %	2023 IP Contract	Notes
Brattleboro Memorial Hospital					GMCB Rate effective 10/01/21 Best estimate of contract negotiation
Brattleboro Retreat					
Central Vermont Physicians Medical Center					GMCB Rate effective 10/01/21
Copley Hospital					GMCB Rate effective 10/01/21
Gifford Medical Center					GMCB Rate effective 10/01/21
Grace Cottage Hospital					GMCB Rate effective 10/01/21
Green Mountain Surgery Center					GMCB Rate effective 10/01/21
Mt. Ascutney Hospital					GMCB Rate effective 10/01/21
North Country Hospital					GMCB Rate effective 10/01/21
Northeast Vermont Regional Hospital					GMCB Rate effective 10/01/21
Northwestern Medical Center					GMCB Rate effective 10/01/21
Porter Hospital					GMCB Rate effective 10/01/21
Rutland Regional					GMCB Rate effective 10/01/21
Southwestern Vermont Medical Center					GMCB Rate effective 10/01/21
Springfield Hospital					GMCB Rate effective 10/01/21
University of Vermont Medical Center					GMCB Rate effective 10/01/21 Best estimate of contract negotiation
Dartmouth-Hitchcock Medical Center (NH)					
New York Participating Hospitals					Blend of best estimates and effective contracts
Rental and Non-participating Hospitals					Blend of best estimates and effective contracts
<b>TOTAL, GMCB HOSPITALS</b>	<b>74.6%</b>	<b>5.9%</b>	<b>74.7%</b>	<b>5.2%</b>	
<b>TOTAL, ALL HOSPITALS</b>	<b>100.0%</b>	<b>5.8%</b>	<b>100.0%</b>	<b>5.2%</b>	

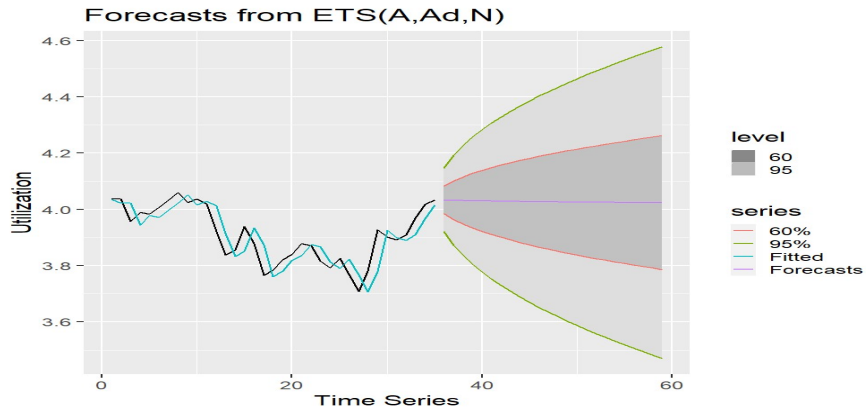
**Derivation of Physician Trends for VT Exchange, 2022-2023, by Provider**

Facility Name	Physician %	2022 PHY		2023 PHY
		Contract	2022 Trended PHY %	Contract
UVMHC				
Rutland Regional				
CVMC				
United Health Alliance				
Porter Hospital				
HealthFirst				
VT Community				
All Other Vermont				
VT PT-OT				
VT BH				
VT Chiro				
New Hampshire Participating				
Rental Network				
New York Participating				
Non-Participating/Negotiated/Other				
<b>TOTAL</b>	<b>100.0%</b>	<b>3.7%</b>	<b>100.0%</b>	<b>2.8%</b>

Prediction Intervals for Utilization

Data set: VT IP

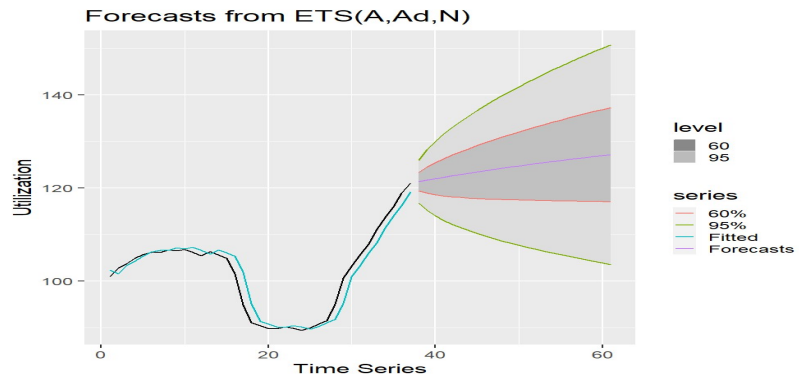
R12 Ending	Timeline	Values	Forecast	Lower Bound 60% Confidence	Upper Bound 60% Confidence	Lower Bound 95% Confidence	Upper Bound 95% Confidence
2018-12	1	4.039002427					
2019-01	2	4.037358797					
2019-02	3	3.957484447					
2019-03	4	3.990028931					
2019-04	5	3.98259539					
2019-05	6	4.006944661					
2019-06	7	4.032624268					
2019-07	8	4.060613914					
2019-08	9	4.023812116					
2019-09	10	4.037171374					
2019-10	11	4.019139312					
2019-11	12	3.920775016					
2019-12	13	3.838044879					
2020-01	14	3.856438872					
2020-02	15	3.939764799					
2020-03	16	3.879075502					
2020-04	17	3.765274087					
2020-05	18	3.784207556					
2020-06	19	3.822108947					
2020-07	20	3.839300297					
2020-08	21	3.87821274					
2020-09	22	3.870591613					
2020-10	23	3.816506449					
2020-11	24	3.792119448					
2020-12	25	3.825579342					
2021-01	26	3.769217089					
2021-02	27	3.709175588					
2021-03	28	3.781113102					
2021-04	29	3.928155661					
2021-05	30	3.902087066					
2021-06	31	3.891877986					
2021-07	32	3.910204769					
2021-08	33	3.968642916					
2021-09	34	4.017230451					
2021-10	35	4.034570462					
2021-11	36		4.03361527	3.985055864	4.082174677	3.920530329	4.146700212
2021-12	37		4.032735492	3.964058959	4.101412026	3.87280187	4.192669114
2022-01	38		4.031925173	3.947810271	4.116040075	3.836038744	4.227811602
2022-02	39		4.031178829	3.934047291	4.128310368	3.804979312	4.257378347
2022-03	40		4.03049141	3.921890791	4.139092028	3.777582747	4.283400073
2022-04	41		4.029858263	3.910887822	4.148828703	3.752800402	4.306916123
2022-05	42		4.029275103	3.900767807	4.157782399	3.730007854	4.328542352
2022-06	43		4.028737984	3.891353306	4.166122662	3.708797125	4.348678844
2022-07	44		4.028243271	3.882520182	4.173966361	3.688883954	4.367602589
2022-08	45		4.027787616	3.874177353	4.18139788	3.670060681	4.385514552
2022-09	46		4.027367936	3.866255507	4.188480364	3.65216999	4.402565881
2022-10	47		4.026981389	3.858700352	4.195262426	3.63508922	4.418873559
2022-11	48		4.026625361	3.851468357	4.201782364	3.618720469	4.434530252
2022-12	49		4.026297441	3.844523938	4.208070944	3.602984073	4.449610809
2023-01	50		4.025995411	3.837837535	4.214153286	3.587814142	4.464176679
2023-02	51		4.025717226	3.831384256	4.220050197	3.573155423	4.47827903
2023-03	52		4.025461004	3.825142889	4.22577912	3.558961021	4.491960988
2023-04	53		4.025225011	3.819095179	4.231354844	3.545190726	4.505259297
2023-05	54		4.02500765	3.813225272	4.236790029	3.531809739	4.518205561
2023-06	55		4.02480745	3.807519294	4.242095606	3.518787708	4.530827192
2023-07	56		4.024623056	3.80196502	4.247281091	3.506097961	4.543148151
2023-08	57		4.024453219	3.796551612	4.252354827	3.493716916	4.555189523
2023-09	58		4.024296792	3.791269407	4.257324176	3.4816236	4.566969983
2023-10	59		4.024152714	3.786109751	4.262195678	3.469799264	4.578506165



Prediction Intervals for Utilization

Data set: VT OP

R12 Ending	Timeline	Values	Forecast	Lower Bound 60% Confidence	Upper Bound 60% Confidence	Lower Bound 95% Confidence	Upper Bound 95% Confidence
2018-12	1	100.9894548					
2019-01	2	102.8374182					
2019-02	3	103.7384089					
2019-03	4	104.8640774					
2019-04	5	105.7435421					
2019-05	6	106.1242284					
2019-06	7	106.1592377					
2019-07	8	106.7010957					
2019-08	9	106.4870304					
2019-09	10	106.7793841					
2019-10	11	106.1666308					
2019-11	12	105.3988986					
2019-12	13	106.3060633					
2020-01	14	105.6506221					
2020-02	15	104.922553					
2020-03	16	101.5464533					
2020-04	17	94.82880524					
2020-05	18	91.04954777					
2020-06	19	90.45059248					
2020-07	20	89.82807292					
2020-08	21	89.76531426					
2020-09	22	90.11416985					
2020-10	23	89.84700558					
2020-11	24	89.41542064					
2020-12	25	90.00138137					
2021-01	26	90.76500377					
2021-02	27	91.5300971					
2021-03	28	94.99698345					
2021-04	29	100.6365153					
2021-05	30	103.2072626					
2021-06	31	105.7585536					
2021-07	32	107.9812645					
2021-08	33	111.1223287					
2021-09	34	113.6888311					
2021-10	35	115.9375019					
2021-11	36	118.9229834					
2021-12	37	121.0734453					
2022-01	38		121.3915084	119.4177098	123.3653069	116.7949346	125.9880821
2022-02	39		121.7032103	118.9050444	124.5013762	115.1868533	128.2195672
2022-03	40		122.0086781	118.5734234	125.4439327	114.0086715	130.0086847
2022-04	41		122.3080365	118.3319793	126.2840938	113.0486113	131.5674618
2022-05	42		122.6014078	118.1457003	127.0571154	112.2249748	132.9778409
2022-06	43		122.8889117	117.996744	127.7810794	111.4960521	134.2817713
2022-07	44		123.1706655	117.8745919	128.466739	110.8371917	135.5041393
2022-08	45		123.4467842	117.7724522	129.1211161	110.2324238	136.6611445
2022-09	46		123.7173805	117.6856561	129.7491048	109.6707262	137.7640348
2022-10	47		123.9825649	117.6108448	130.3542849	109.1441301	138.8209996
2022-11	48		124.2424456	117.5455168	130.9393743	108.6466666	139.8382251
2022-12	49		124.4971286	117.4877576	131.5064996	108.1737349	140.8205223
2023-01	50		124.746718	117.4360704	132.0573656	107.7217127	141.7717233
2023-02	51		124.9913156	117.3892639	132.5933674	107.2876896	142.6949417
2023-03	52		125.2310213	117.3463759	133.1156667	106.8692923	143.5927503
2023-04	53		125.4659328	117.3066201	133.6252456	106.4645597	144.467306
2023-05	54		125.6961461	117.2693472	134.1229451	106.0718522	145.32044
2023-06	55		125.9217552	117.2340166	134.6094938	105.6897861	146.1537242
2023-07	56		126.142852	117.2001747	135.0855293	105.3171828	146.9685212
2023-08	57		126.3595269	117.1674391	135.5516147	104.9530315	147.7660223
2023-09	58		126.5718683	117.1354852	136.0082515	104.596459	148.5472777
2023-10	59		126.7799629	117.1040367	136.4558891	104.2467067	149.3132191
2023-11	60		126.9838955	117.0728576	136.8949335	103.903112	150.064679
2023-12	61		127.1837496	117.0417457	137.3257534	103.5650936	150.8024055

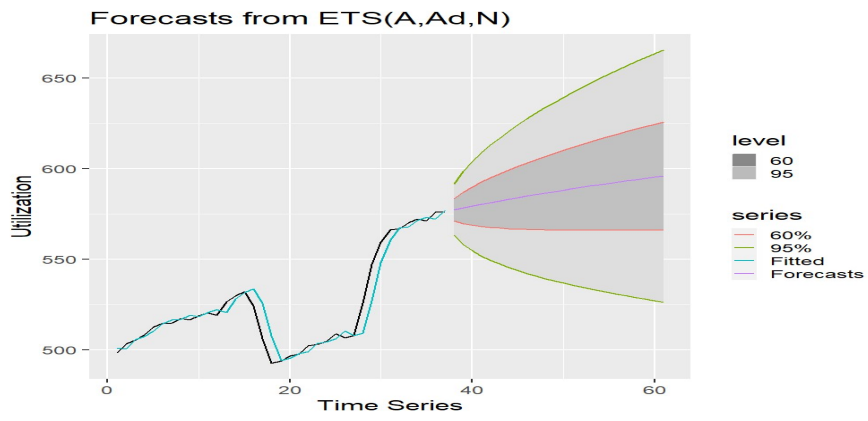




Prediction Intervals for Utilization

Data set: VT PHY

R12 Ending	Timeline	Values	Forecast	Lower Bound 60% Confidence	Upper Bound 60% Confidence	Lower Bound 95% Confidence	Upper Bound 95% Confidence
2018-12	1	498.3259587					
2019-01	2	503.3895033					
2019-02	3	505.2444731					
2019-03	4	508.1350502					
2019-04	5	512.3613092					
2019-05	6	514.566179					
2019-06	7	514.8325955					
2019-07	8	517.3243455					
2019-08	9	516.5618342					
2019-09	10	518.769972					
2019-10	11	520.4447448					
2019-11	12	519.0135607					
2019-12	13	526.4137879					
2020-01	14	529.89968					
2020-02	15	532.1038318					
2020-03	16	524.2769057					
2020-04	17	506.0561864					
2020-05	18	492.5380815					
2020-06	19	493.873174					
2020-07	20	496.5358048					
2020-08	21	497.591277					
2020-09	22	502.2135907					
2020-10	23	503.068221					
2020-11	24	504.6368189					
2020-12	25	509.008532					
2021-01	26	506.5316502					
2021-02	27	507.9418815					
2021-03	28	525.6844491					
2021-04	29	547.0940952					
2021-05	30	559.5105094					
2021-06	31	566.3250651					
2021-07	32	566.7759424					
2021-08	33	570.2425039					
2021-09	34	572.1554922					
2021-10	35	571.2686314					
2021-11	36	576.0582444					
2021-12	37	576.3510761					
2022-01	38		577.3732628	571.2700508	583.4764749	563.1601283	591.5863973
2022-02	39		578.3750056	569.7433372	587.006674	558.2736125	598.4763987
2022-03	40		579.3567134	568.7846102	589.9288166	554.7364439	603.9769828
2022-04	41		580.3187868	568.1105906	592.526983	551.8883909	608.7491827
2022-05	42		581.2616186	567.6117972	594.91144	549.473972	613.0492652
2022-06	43		582.1855936	567.2322682	597.1389189	547.3623525	617.0088346
2022-07	44		583.0910889	566.9389106	599.2432672	545.4759642	620.7062137
2022-08	45		583.9784742	566.7102876	601.2466607	543.7643941	624.1925543
2022-09	46		584.8481116	566.5316157	603.1646074	542.1927332	627.5034899
2022-10	47		585.7003561	566.3922232	605.008489	540.7356575	630.6650546
2022-11	48		586.5355555	566.2841341	606.786977	539.3741305	633.6969806
2022-12	49		587.3540509	566.2012231	608.5068787	538.0934346	636.6146672
2023-01	50		588.1561762	566.1386823	610.17367	536.8819292	639.4304232
2023-02	51		588.9422588	566.0926704	611.7918472	535.7302336	642.154284
2023-03	52		589.7126197	566.0600728	613.3651665	534.6306682	644.7945711
2023-04	53		590.4675732	566.0383331	614.8968132	533.5768619	647.3582844
2023-05	54		591.2074274	566.0253312	616.3895237	532.5634678	649.8513871
2023-06	55		591.9324845	566.0192935	617.8456756	531.5859544	652.2790147
2023-07	56		592.6430403	566.0187251	619.2673556	530.6404471	654.6456335
2023-08	57		593.3393849	566.0223583	620.6564115	529.7236084	656.9551614
2023-09	58		594.0218025	566.0291122	622.0144928	528.8325432	659.2110618
2023-10	59		594.6905716	566.0380609	623.3430822	527.9647255	661.4164177
2023-11	60		595.3459652	566.0484087	624.6435216	527.1179392	663.5739911
2023-12	61		595.9882508	566.0594694	625.9170321	526.2902308	665.6862707



Utilization	R12 Ending	Timeline	Values	Forecast	Lower Bound 60% Confidence	Upper Bound 60% Confidence	Lower Bound 95% Confidence	Upper Bound 95% Confidence		
IP	2021-10	35	4.035							
IP	2023-10	59		4.024	3.786	4.262	3.470	4.579		
OP	2021-12	37	121.073							
OP	2023-12	61		127.184	117.042	137.326	103.565	150.802		
PHY	2021-12	37	576.351							
PHY	2023-12	61		595.988	566.059	625.917	526.290	665.686		
<b>24 month Trends</b>										
Utilization	Mean	Standard Deviation	Weight							
IP	-0.26%	7.01%	21.96%							
OP	5.05%	9.95%	48.44%							
PHY	3.41%	6.17%	29.60%							
Blend	3.40%	5.38%								
<b>2-Year Trends</b>										
5th Percentile	10th Percentile	20th Percentile	30th Percentile	40th Percentile	50th Percentile	60th Percentile	70th Percentile	80th Percentile	90th Percentile	95th Percentile
-5.45%	-3.50%	-1.13%	0.57%	2.03%	3.40%	4.76%	6.22%	7.92%	10.29%	12.25%
-0.106101794	-0.068756335	-0.02251089	0.011530679	0.041079573	0.069082839	0.097457744	0.128227263	0.164777874	0.216431584	0.259932936



**Derivation of Experience Period Average AV and Induced Demand Factor**

Weighted Average  
AV \* ID

**0.8386**

Medical Coplan	Member Months	Pricing Model AV	Induced Demand Factor	AV * ID
VT Non-Standard Bronze 1 (2021)	2,398	0.602	1.001	0.602
VT Standard Bronze 2 (2021)	12,426	0.611	1.004	0.614
VT Standard Bronze 4 (2021)	1,397	0.636	1.012	0.644
VT Non-Standard Bronze 5 (2021)	1,289	0.620	1.007	0.624
VT Standard Gold 1 (2021)	40,675	0.805	1.087	0.876
VT Non-Standard Gold 2 (2021)	4,009	0.831	1.106	0.919
VT Standard Bronze 3 (2021)	26,402	0.617	1.006	0.620
VT Non-Standard Gold 3 (2021)	72,114	0.826	1.103	0.911
VT Standard Silver 4 (2021)	104	0.711	1.037	0.737
VT Standard Platinum 1 (2021)	40,880	0.922	1.150	1.060
VT Non-Standard Silver 1 (2021)	173	0.701	1.031	0.722
VT Non-Standard Silver 2 II (2021)	5,689	0.712	1.037	0.738
VT Standard Silver 4 II (2021)	18,435	0.711	1.037	0.737
VT Non-Standard Silver 1 II (2021)	15,892	0.701	1.031	0.722
VT Standard Silver 3 II (2021)	18,928	0.703	1.032	0.726

**Derivation of 2021 Average AV**

Medical Coplan	Member Months	Weighted Average AV	
		Pricing Model	AV
		0.7752	
VT Non-Standard Bronze 1 (2021)	2,398	0.602	
VT Standard Bronze 2 (2021)	12,426	0.611	
VT Standard Bronze 3 (2021)	26,402	0.617	
VT Standard Bronze 4 (2021)	1,397	0.636	
VT Non-Standard Bronze 5 (2021)	1,289	0.620	
VT Standard Gold 1 (2021)	40,675	0.805	
VT Non-Standard Gold 2 (2021)	4,009	0.831	
VT Non-Standard Gold 3 (2021)	72,114	0.826	
VT Non-Standard Silver 1 (2021)	173	0.701	
VT Non-Standard Silver 1 II (2021)	15,892	0.701	
VT Non-Standard Silver 2 (2021)	0	0.712	
VT Non-Standard Silver 2 II (2021)	5,689	0.712	
VT Standard Silver 3 (2021)	0	0.703	
VT Standard Silver 3 II (2021)	18,928	0.703	
VT Standard Silver 4 (2021)	104	0.711	
VT Standard Silver 4 II (2021)	18,435	0.711	
VT Standard Platinum 1 (2021)	40,880	0.922	

**Derivation of February 2022 Average AV**

Medical Coplan	Member Months	Weighted Average AV	
		Pricing Model	AV
		0.7712	
VT Non-Standard Bronze 1 (2022)	194	0.602	
VT Standard Bronze 2 (2022)	901	0.608	
VT Standard Bronze 3 (2022)	2,014	0.614	
VT Standard Bronze 4 (2022)	87	0.632	
VT Non-Standard Bronze 5 (2022)	111	0.620	
VT Standard Gold 1 (2022)	3,542	0.801	
VT Non-Standard Gold 2 (2022)	407	0.831	
VT Non-Standard Gold 3 (2022)	5,387	0.818	
VT Non-Standard Silver 1 (2022)	51	0.691	
VT Non-Standard Silver 1 II (2022)	1,402	0.691	
VT Non-Standard Silver 2 (2022)	0	0.712	
VT Non-Standard Silver 2 II (2022)	624	0.712	
VT Standard Silver 3 (2022)	0	0.698	
VT Standard Silver 3 II (2022)	1,418	0.698	
VT Standard Silver 4 (2022)	25	0.708	
VT Standard Silver 4 II (2022)	1,451	0.707	
VT Standard Platinum 1 (2022)	3,286	0.922	

**Derivation of Projected 2023 Average AV**

Medical Coplan	Member Months	Weighted Average AV	
		Pricing Model	AV
		0.7689	
VT Non-Standard Bronze 1 (2023)	194	0.602	
VT Standard Bronze 2 (2023)	901	0.604	
VT Standard Bronze 3 (2023)	2,014	0.613	
VT Standard Bronze 4 (2023)	87	0.630	
VT Non-Standard Bronze 5 (2023)	111	0.607	
VT Standard Gold 1 (2023)	3,542	0.798	
VT Non-Standard Gold 2 (2023)	407	0.827	
VT Non-Standard Gold 3 (2023)	5,387	0.818	
VT Non-Standard Silver 1 (2023)	51	0.687	
VT Non-Standard Silver 1 II (2023)	1,402	0.687	
VT Non-Standard Silver 2 (2023)	0	0.706	
VT Non-Standard Silver 2 II (2023)	624	0.705	
VT Standard Silver 3 (2023)	0	0.693	
VT Standard Silver 3 II (2023)	1,418	0.693	
VT Standard Silver 4 (2023)	25	0.703	
VT Standard Silver 4 II (2023)	1,451	0.703	
VT Standard Platinum 1 (2023)	3,286	0.921	

Month	Member Months	Medical Allowed PMPM	Pharmacy Allowed PMPM	Dental Allowed PMPM	Age Fx	ID Fx	Medical Unit Cost Fx	Rx Unit Cost Fx	Normalized Medical Allowed PMPM	Normalized Pharmacy Allowed PMPM	Normalized Dental Allowed PMPM	Normalized Total Allowed PMPM
201801	14336	\$391.66	\$60.33	\$1.35	1.599	1.065	1	1	\$391.66	\$60.33	\$1.35	\$453.35
201802	14349	\$381.94	\$56.45	\$1.50	1.600	1.065	1	1	\$381.53	\$56.39	\$1.50	\$439.42
201803	14369	\$366.38	\$68.41	\$1.72	1.601	1.065	1	1	\$365.86	\$68.32	\$1.72	\$435.89
201804	14359	\$417.10	\$77.45	\$1.05	1.602	1.065	1	1	\$416.36	\$77.31	\$1.04	\$494.71
201805	14353	\$450.75	\$82.42	\$1.30	1.604	1.065	1	1	\$449.36	\$82.16	\$1.30	\$532.82
201806	14397	\$383.58	\$70.16	\$1.37	1.605	1.065	1	1	\$382.04	\$69.87	\$1.37	\$453.28
201807	14408	\$357.07	\$79.16	\$1.38	1.603	1.065	1	1	\$356.13	\$78.95	\$1.37	\$436.45
201808	14446	\$409.24	\$81.00	\$1.43	1.604	1.065	1	1	\$408.03	\$80.76	\$1.43	\$490.22
201809	14477	\$367.68	\$78.21	\$0.90	1.603	1.065	1	1	\$366.72	\$78.00	\$0.90	\$445.62
201810	14432	\$450.96	\$87.15	\$1.11	1.605	1.065	1	1	\$449.20	\$86.81	\$1.11	\$537.12
201811	14377	\$433.85	\$76.77	\$1.38	1.605	1.065	1	1	\$432.21	\$76.48	\$1.38	\$510.07
201812	14448	\$401.03	\$82.99	\$1.58	1.605	1.066	1	1	\$399.48	\$82.67	\$1.58	\$483.73
201901	15941	\$412.18	\$69.45	\$1.11	1.601	1.077	1.037	1.052	\$392.84	\$65.24	\$1.06	\$459.14
201902	15916	\$379.11	\$73.00	\$0.95	1.600	1.077	1.037	1.052	\$361.35	\$68.58	\$0.91	\$430.84
201903	15916	\$455.26	\$78.41	\$1.54	1.602	1.077	1.037	1.052	\$433.35	\$73.56	\$1.47	\$508.37
201904	15909	\$428.20	\$86.77	\$1.21	1.606	1.077	1.037	1.052	\$406.50	\$81.19	\$1.15	\$488.85
201905	15876	\$410.51	\$80.17	\$1.71	1.606	1.077	1.037	1.052	\$389.68	\$75.01	\$1.62	\$466.31
201906	15824	\$373.65	\$75.26	\$2.78	1.607	1.077	1.037	1.052	\$354.52	\$70.38	\$2.64	\$427.54
201907	15862	\$387.41	\$80.44	\$2.28	1.609	1.077	1.037	1.052	\$367.28	\$75.16	\$2.17	\$444.61
201908	15866	\$413.54	\$80.57	\$1.29	1.611	1.077	1.037	1.052	\$391.44	\$75.17	\$1.22	\$467.83
201909	15871	\$414.28	\$77.67	\$1.26	1.611	1.077	1.037	1.052	\$392.22	\$72.48	\$1.19	\$465.89
201910	15884	\$434.60	\$78.39	\$1.38	1.612	1.077	1.037	1.052	\$411.11	\$73.08	\$1.31	\$485.50
201911	15878	\$420.78	\$80.36	\$2.05	1.614	1.077	1.037	1.052	\$397.60	\$74.84	\$1.94	\$474.38
201912	15924	\$411.52	\$92.38	\$1.92	1.614	1.077	1.037	1.052	\$388.82	\$86.03	\$1.82	\$476.67
202001	20826	\$432.25	\$74.39	\$1.98	1.607	1.079	1.075	1.093	\$394.81	\$66.83	\$1.80	\$463.44
202002	20831	\$400.37	\$82.35	\$1.17	1.608	1.079	1.075	1.093	\$365.53	\$73.95	\$1.07	\$440.55
202003	20766	\$330.51	\$98.68	\$0.96	1.610	1.080	1.075	1.093	\$301.37	\$88.50	\$0.88	\$390.75
202004	20638	\$225.27	\$99.97	\$0.02	1.609	1.080	1.075	1.093	\$205.42	\$89.66	\$0.02	\$295.10
202005	20562	\$337.20	\$90.21	\$0.19	1.611	1.080	1.075	1.093	\$307.15	\$80.82	\$0.17	\$388.13
202006	20651	\$404.85	\$101.23	\$1.78	1.611	1.080	1.075	1.093	\$368.60	\$90.65	\$1.62	\$460.88
202007	20529	\$470.91	\$98.91	\$2.47	1.612	1.080	1.075	1.093	\$428.53	\$88.52	\$2.25	\$519.30
202008	20508	\$414.53	\$99.14	\$1.28	1.614	1.080	1.075	1.093	\$376.78	\$88.63	\$1.16	\$466.56
202009	20521	\$445.73	\$93.70	\$1.21	1.616	1.080	1.075	1.093	\$404.54	\$83.64	\$1.10	\$489.28
202010	20577	\$457.26	\$98.24	\$1.94	1.618	1.080	1.075	1.093	\$414.77	\$87.65	\$1.76	\$504.17
202011	20694	\$403.74	\$98.49	\$1.24	1.617	1.080	1.075	1.093	\$366.44	\$87.92	\$1.12	\$455.48
202012	20618	\$430.38	\$115.76	\$2.04	1.619	1.080	1.075	1.093	\$389.98	\$103.17	\$1.84	\$495.00
202101	21795	\$467.75	\$86.20	\$1.43	1.617	1.077	1.130	1.195	\$405.10	\$70.59	\$1.24	\$476.93
202102	21855	\$468.92	\$102.76	\$1.85	1.617	1.077	1.130	1.195	\$406.21	\$84.18	\$1.60	\$491.99
202103	21817	\$537.08	\$113.78	\$1.75	1.619	1.077	1.130	1.195	\$464.70	\$93.09	\$1.51	\$559.30
202104	21757	\$526.51	\$104.64	\$1.53	1.619	1.077	1.130	1.195	\$455.32	\$85.57	\$1.32	\$542.21
202105	21667	\$494.39	\$103.55	\$1.90	1.622	1.077	1.130	1.195	\$426.85	\$84.54	\$1.64	\$513.03
202106	21723	\$537.42	\$106.97	\$1.89	1.622	1.077	1.130	1.195	\$463.86	\$87.31	\$1.63	\$552.80
202107	21773	\$486.18	\$114.11	\$1.68	1.622	1.077	1.130	1.195	\$419.69	\$93.14	\$1.45	\$514.28
202108	21799	\$494.27	\$112.80	\$2.44	1.621	1.077	1.130	1.195	\$426.97	\$92.14	\$2.10	\$521.21
202109	21752	\$640.08	\$115.30	\$0.89	1.622	1.077	1.130	1.195	\$552.47	\$94.10	\$0.77	\$647.34
202110	21723	\$551.23	\$116.68	\$1.78	1.623	1.077	1.130	1.195	\$475.70	\$95.21	\$1.54	\$572.44
202111	21625	\$577.69	\$117.50	\$1.59	1.622	1.077	1.130	1.195	\$498.60	\$95.89	\$1.38	\$595.87
202112	21525	\$577.48	\$120.81	\$2.90	1.623	1.077	1.130	1.195	\$498.40	\$98.60	\$2.50	\$599.50
202201	20922	\$585.81	\$110.57	\$2.20	1.625	1.073	1.189	1.288	\$481.12	\$83.87	\$1.81	\$566.80
202202	20900	\$580.63	\$119.26	\$1.06	1.626	1.073	1.189	1.288	\$476.63	\$90.41	\$0.87	\$567.91

<b>Historical Bad Debt as % of Premium, 2019 to 2021</b>
----------------------------------------------------------

**Small Group**

<b>Year</b>	<b>Bad Debt</b>	<b>Premium</b>	<b>Bad Debt as % Premium</b>
2019	\$63,355	\$86,305,106	0.07%
2020	\$22,565	\$124,574,050	0.02%
2021	\$29,262	\$131,663,413	0.02%
Total	\$115,182	\$342,542,569	0.03%



<b>Adjustments to Make to Experience Period Data due to Cost Share Changes</b>	
<b>(Remove Dollars)/Add Dollars</b>	<b>VT AR44 Individual</b>
<b>Treatment</b>	<b>(\$0.49)</b>
<b>Visits</b>	<b>(\$0.75)</b>
<b>Testing</b>	<b>(\$1.20)</b>
<b>Telehealth</b>	<b>(\$2.45)</b>
<b>Total Adjustment</b>	<b>(\$4.89)</b>

**Calendar Year 2021 VT SG/INDV Insulin Summary**

Metal	Preferred			Non-Preferred	
	Member Months	Member Cost-Share	Amount of Member Cost-Share > \$100 per 30 Day Supply	Member Cost-Share	Amount of Member Cost-Share > \$100 per 30 Day Supply
P	50,349	\$55,046	\$0	\$1,475	\$0
G	158,059	\$54,592	\$0	\$508	\$0
S	128,746	\$66,290	\$11,454	\$227	\$0
B	103,694	\$33,264	\$5,205	\$518	\$0
<b>Total</b>	<b>440,848</b>	<b>\$209,192</b>	<b>\$16,659</b>	<b>\$2,727</b>	<b>\$0</b>

Member Cost-Share >\$100 PMPM	\$0.04
Member Cost-Share >\$100 PMPM	\$0.06
Member Cost-Share >\$100 PMPM	\$0.10
<b>3 Year Average</b>	<b>\$0.06</b>

**Calendar Year 2020 VT SG/INDV Insulin Summary**

Metal	Preferred			Non-Preferred	
	Member Months	Member Cost-Share	Amount of Member Cost-Share > \$100 per 30 Day Supply	Member Cost-Share	Amount of Member Cost-Share > \$100 per 30 Day Supply
P	43,570	\$48,176	\$0	\$2,175	\$0
G	153,936	\$41,485	\$0	\$100	\$0
S	132,785	\$59,988	\$10,201	\$758	\$8
B	101,422	\$37,484	\$13,247	\$2,080	\$1,195
<b>Total</b>	<b>431,713</b>	<b>\$187,132</b>	<b>\$23,448</b>	<b>\$5,113</b>	<b>\$1,203</b>

**Calendar Year 2019 VT SG/INDV Insulin Summary**

Metal	Preferred			Non-Preferred	
	Member Months	Member Cost-Share	Amount of Member Cost-Share > \$100 per 30 Day Supply	Member Cost-Share	Amount of Member Cost-Share > \$100 per 30 Day Supply
P	30,815	\$32,448	\$0	\$1,877	\$1,117
G	115,812	\$45,139	\$3,659	\$1,285	\$969
S	119,709	\$56,441	\$13,350	\$475	\$36
B	93,091	\$33,694	\$14,803	\$706	\$406
<b>Total</b>	<b>359,427</b>	<b>\$167,722</b>	<b>\$31,812</b>	<b>\$4,342</b>	<b>\$2,528</b>

**2023 Plan Changes due to IRS Changes**

<b>Plan</b>	<b>Old Single Rate</b>	<b>New Single Rate</b>	<b>Premium Change</b>
VT Plus Gold 3 HDHP	\$818.53	\$817.95	-0.07%
VT Plus Silver 2 HDHP	\$676.12	\$675.75	-0.05%
VT Plus Reflective Silver 2 HDHP	\$675.25	\$674.76	-0.07%
VT Silver 4 HDHP	\$671.80	\$671.43	-0.06%
VT Reflective Silver 4 HDHP	\$671.80	\$671.43	-0.06%
VT Bronze 3 HDHP	\$578.43	\$578.12	-0.05%