SERFF Tracking #:	BCVT-131497882	State Tracking #:
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Company Tracking #:

State:	VermontGMCB	Filing Company:	BCBSVT
TOI/Sub-TOI:	H16G Group Health - Major Medical/H16G.001C	Any Size Group - Other	
Product Name:	2019 Vermont Individual and Small Group Rate Filing		
Project Name/Number:	/		

# Filing at a Glance

Company:	BCBSVT
Product Name:	2019 Vermont Individual and Small Group Rate Filing
State:	VermontGMCB
TOI:	H16G Group Health - Major Medical
Sub-TOI:	H16G.001C Any Size Group - Other
Filing Type:	GMCB Rate
Date Submitted:	05/11/2018
SERFF Tr Num:	BCVT-131497882
SERFF Status:	Submitted to State
State Tr Num:	
State Status:	
Co Tr Num:	
Implementation	On Approval
Date Requested:	
Author(s):	Jude Daye, Martine Brisson-Lemieux
Reviewer(s):	
Disposition Date:	
Disposition Status:	
Implementation Date:	
State Filing Description:	

SERFF Tracking #	BCVT-131497882	State Tracking #:
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Company Tracking #:

State:	VermontGMCB	Filing Company:	BCBSVT
TOI/Sub-TOI:	H16G Group Health - Major Medical/H16G.001C Any Size Group - Other		
Product Name:	2019 Vermont Individual and Small Group Rate Filing		
Project Name/Number:	/		

# **General Information**

Project Name:	Status of Filing in Domicile:
Project Number:	Date Approved in Domicile:
Requested Filing Mode: Review & Approval	Domicile Status Comments:
Explanation for Combination/Other:	Market Type: Group
Submission Type: New Submission	Group Market Size: Small
Group Market Type: Employer, Other	Explanation for Other Group Market Type:
Overall Rate Impact:	Filing Status Changed: 05/11/2018
	State Status Changed:
Deemer Date:	Created By: Jude Daye
Submitted By: Jude Daye	Corresponding Filing Tracking Number:
	PPACA: Non-Grandfathered Immed Mkt Reforms
PPACA Notes: null	
Exchange Intentions:	To be sold on Vermont Health Connect or directly to consumers effective 01/01/2019.

Filing Description: May 11, 2018

Agatha Kessler Health Policy Director Green Mountain Care Board 144 State Street Montpelier, Vermont 05620

Subject:Blue Cross and Blue Shield of Vermont - NAIC # 53295 2019 Vermont Individual and Small Group Rate Filing

Dear Ms. Kessler:

Attached for the Green Mountain Care Board's review and approval is Blue Cross and Blue Shield of Vermont's 2019 Vermont Individual and Small Group Rate Filing.

The average increase for plans other than Silver Level Exchange plans – that is, the average increase that will actually be experienced by Vermont individuals and small businesses – is 5.3 percent.

Increases for specific plans range from 3.5 percent to 6.8 percent, except for the Catastrophic plan, which is increasing by 1.2 percent. Silver Level Exchange plans will increase an average of 16.0 percent, with increases for specific plans ranging from 14.6 percent to 18.9 percent. Across all plans, the average increase is 7.5 percent.

Please let me know if we can answer any questions or provide further information during your review.

Sincerely,

Ruth Greene

VermontGMCB				
		Filing Company:	BCBSVT	
H16G Group Heal	lth - Major Medical/H16G.0	01C Any Size Group - Other		
2019 Vermont Individual and Small Group Rate Filing				
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MCB /GMCB T BSVT				
	2019 Vermont Ind / MCB /GMCB T	2019 Vermont Individual and Small Group Ra / MCB /GMCB T	исв /GMCB Т	2019 Vermont Individual and Small Group Rate Filing / MCB /GMCB T

# **Company and Contact**

# Filing Contact Information

Filing Company Information

Jude Daye, Executive Assistant	dayej@bcbsvt.com
445 Industrial Lane	802-371-3244 [Phone]
Montpelier, VT 05601	

BCBSVT	CoCode: 53295	State of Domicile: Vermont
PO BOX 186	Group Code:	Company Type: Hospital
Montpelier, VT 05601	Group Name:	Service Corp
(802) 371-3450 ext. [Phone]	FEIN Number: 03-0277307	State ID Number:

# **Filing Fees**

Fee Required?	Yes
Fee Amount:	\$150.00
Retaliatory?	No
Fee Explanation:	

SERFF Tracking #:	BCVT-131497882	State Tracking #:		Company Tracking #:	
State:	VermontGMCB		Filing Company:	BCBSVT	
TOI/Sub-TOI:	H16G Group Healt	h - Major Medical/H16G.001C Any	/ Size Group - Other		
Product Name:	2019 Vermont Indi	vidual and Small Group Rate Filing	g		
Project Name/Number:	/				

# **Rate Information**

# Rate data applies to filing.

Filing Method:	Experience Rated
Rate Change Type:	Increase
Overall Percentage of Last Rate Revision:	9.210%
Effective Date of Last Rate Revision:	01/01/2018
Filing Method of Last Filing:	Experience Rated
SERFF Tracking Number of Last Filing:	BCVT-131037743

# **Company Rate Information**

Company Name:	Company Rate Change:	Overall % Indicated Change:	Overall % Rate Impact:	Written Premium Change for this Program:	Number of Policy Holders Affected for this Program:	Premium for	Maximum % Change (where req'd)	Minimum % Change : (where req'd):
BCBSVT	Increase	7.483%	7.483%	\$26,021,143	52,591	\$347,729,947	18.874%	1.247%

SERFF Tracking #:	BCVT-131497882	State Tracking #:	c	Company Tracking #:
State:	VermontGMCB		Filing Company:	BCBSVT
TOI/Sub-TOI:	H16G Group He	H16G Group Health - Major Medical/H16G.001C Any Size Group - Other		
Product Name:	2019 Vermont li	ermont Individual and Small Group Rate Filing		
Project Name/Numb	er: /	/		

# **Rate Review Detail**

#### COMPANY:

Company Name:	BCBSVT
HHS Issuer Id:	13627

### **PRODUCTS:**

Product Name	HIOS Product ID	HIOS Submission ID	Number of Covered Lives
BCBSVT EPO (Individual)	13627VT034		8876
BCBSVT EPO (Small Group)	13627VT032		9783
BCBSVT EPO Blue Rewards (Individual)	13627VT038		2215
BCBSVT EPO Blue Rewards (Small Group)	13627VT036		987
BCBSVT EPO Blue Rewards CDHP (Individual)	13627VT039		1875
BCBSVT EPO Blue Rewards CDHP (Small Group)	13627VT037		4304
BCBSVT EPO CDHP (Individual)	13627VT035		1922
BCBSVT EPO CDHP (Small Group)	13627VT033		1907

Trend Factors:

### FORMS:

New Policy Forms:	N/A
Affected Forms:	N/A
Other Affected Forms:	N/A

### **REQUESTED RATE CHANGE INFORMATION:**

Change Period:	Annual
Member Months:	819,824
Benefit Change:	Increase
Percent Change Requested:	Min: 1.247 Max: 18.874 Avg: 7.483

#### **PRIOR RATE:**

Total Earned Premium:	347,729,947.00
Total Incurred Claims:	310,100,594.00
Annual \$:	Min: 244.08 Max: 671.15 Avg: 539.98

### **REQUESTED RATE:**

Projected Earned Premium:	373,751,090.00
Projected Incurred Claims:	333,270,119.00
Annual \$:	Min: 248.56 Max: 717.12 Avg: 580.39

SERFF Tracking #:	BCVT-131497882	State Tracking #:	С	Company Tracking #:	
State:	VermontGMCB		Filing Company:	BCBSVT	
TOI/Sub-TOI:	H16G Group Healt	h - Major Medical/H16G.001C Any	Size Group - Other		
Product Name:	2019 Vermont Individual and Small Group Rate Filing				
Project Name/Number:	/				

# Supporting Document Schedules

Satisfied - Item:	Actuarial Memorandum
Comments:	
Attachment(s):	BCBSVT 2019 Vermont Individual and Small Group Rate Filing - Actuarial Memorandum.pdf
Item Status:	
Status Date:	
Bypassed - Item:	Actuarial Memorandum and Certifications
Bypass Reason:	Part III Actuarial Memorandum is the same as the Actuarial Memorandum in the previous section.
Attachment(s):	
Item Status:	
Status Date:	
Bypassed - Item:	Civil Union Rating Requirements
Bypass Reason:	Not required.
Attachment(s):	
Item Status:	
Status Date:	
Satisfied - Item:	Consumer Disclosure Form
Comments:	
Attachment(s):	BCBSVT 2019 VISG Filing - Plain Language Summary.pdf
Item Status:	
Status Date:	
Satisfied - Item:	Filing Compliance Certification
Comments:	
Attachment(s):	Filing Compliance Certification.pdf
Item Status:	
Status Date:	
Bypassed - Item:	Third Party Filing Authorization
Bypass Reason:	BCBSVT does not use a Third Party to submit filings.
Attachment(s):	
Item Status:	
Status Date:	

SERFF Tracking #:	BCVT-131497882	State Tracking #:	Company Tracking #:	
State:	VermontGMCB		Filing Company: BCBSVT	
Ol/Sub-TOI:	H16G Group Health - Major Medical/H16G.001C Any		ize Group - Other	
roduct Name:	2019 Vermont In	Vermont Individual and Small Group Rate Filing		
Project Name/Number:	/			
Satisfied - Item:	U	nified Rate Review Template		
Comments:				
Attachment(s):	U	nified_Rate_Review_Template nified_Rate_Review_Template nifiedRateReviewSubmission_I	e_BCBSVT_2019.xlsm e_BCBSVT_2019.pdf BCBSVT_2019_2018051014240.xml	
Item Status:				
Status Date:				
Satisfied - Item:	E	xhibits		
Comments:				
Attachment(s):	B	CBSVT 2019 Vermont Individu CBSVT 2019 Vermont Individu	al and Small Group Rate Filing - Exhibits.pdf al and Small Group Rate Filing - Exhibits.xlsx	
Item Status:				
Status Date:				
Satisfied - Item:	A	ttachments A, B & C		
Comments:				
Attachment(s):	A	ttachment A - Standard Plan A ttachment B - Blue Rewards A ttachment C - Memorandum fro	V Certification - 2019.pdf V Certification - 2019.pdf om Senior Management for CTR.pdf	
Item Status:				
Status Date:				
Satisfied - Item:	R	ate Data Templates		
Comments:		·		
Attachment(s):	R	ateTablesPY19_BCBSVT.pdf ateTablesPY19_BCBSVT.xls ateTablePY19_BCBSVT.xml		
Item Status:				
Status Date:				
Satisfied - Item:	A	ctuarial Data Set		
Comments:				
Attachment(s):	A	ctuarial Memo Dataset (2019 is ctuarial Memo Dataset (2019 is	ssues) - BCBSVT.pdf ssues) - BCBSVT.xlsx	
Item Status:		· · · · ·		
Status Date:				

SERFF Tracking #:	BCVT-131497882	State Tracking #:	C	Company Tracking #:
State:	VermontGMCB		Filing Company:	BCBSVT
TOI/Sub-TOI:	H16G Group Health	- Major Medical/H16G.001C Any S	Size Group - Other	
Product Name:	2019 Vermont Individual and Small Group Rate Filing			
Project Name/Number:	/			

Attachment Unified\_Rate\_Review\_Template\_BCBSVT\_2019.xlsm is not a PDF document and cannot be reproduced here.

Attachment UnifiedRateReviewSubmission\_BCBSVT\_2019\_2018051014240.xml is not a PDF document and cannot be reproduced here.

Attachment BCBSVT 2019 Vermont Individual and Small Group Rate Filing - Exhibits.xlsx is not a PDF document and cannot be reproduced here.

Attachment RateTablesPY19\_BCBSVT.xls is not a PDF document and cannot be reproduced here.

Attachment RateTablePY19\_BCBSVT.xml is not a PDF document and cannot be reproduced here.

Attachment Actuarial Memo Dataset (2019 issues) - BCBSVT.xlsx is not a PDF document and cannot be reproduced here.

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### 1. GENERAL INFORMATION

#### 1.1. Company Identifying Information

Company Legal Name: Blue Cross and Blue Shield of Vermont State: Vermont HIOS Issuer ID: 13627 Market: Combined Effective Date: January 1, 2019

#### 1.2. Company Contact Information

Primary Contact Name: Paul A. Schultz, FSA, MAAA Primary Contact Telephone Number: 1-(802)-371-3763 Primary Contact Email Address: schultzp@bcbsvt.com

#### 1.3. Scope and Purpose

The purpose of this rate filing is to provide the rates and a description of the rate development for the ACA-compliant plans for the Vermont Individual and Small Group merged market that Blue Cross and Blue Shield of Vermont (BCBSVT) proposes to offer for the 2019 benefit year. This rate filing applies to plans both On-Exchange and Off-Exchange.

This filing is intended to comply with the following laws:

- Vermont State Law 8 V.S.A. § 4062
- Vermont State Law 8 V.S.A. § 4512
- Vermont State Law 33 V.S.A. § 1806
- Vermont State Law 33 V.S.A § 1811
- Vermont State Law 33 V.S.A. § 1812.
- DFR Order establishing tier rate structure and multipliers (Docket No. 13-002-I)
- Vermont Agency of Human Services Health Benefits Eligibility and Enrollment Rule, Parts 1 and 2
- Green Mountain Care Board, Rule 2.000
- Federal Regulation 45 C.F.R. Part 147
- Federal Regulation 45 C.F.R. Part 153
- Federal Regulation 45 C.F.R. Part 154
- Federal Regulation 45 C.F.R. Part 155
- Federal Regulation 45 C.F.R. Part 156
- Federal Regulation 45 C.F.R. Part 158
- Federal Regulation 26 IRC § 223

### 1.4. Proposed Rate Increase(s)

The average increase for plans other than Silver Level Exchange plans - that is, the average increase that will actually be experienced by Vermont individuals and small businesses - is 5.3 percent.

Increases for specific plans range from 3.5 percent to 6.8 percent, except for the Catastrophic plan, which is increasing by 1.2 percent. Silver Level Exchange plans will increase an average of 16.0 percent, with increases for specific plans ranging from 14.6 percent to 18.9 percent. Across all plans, the average increase is 7.5 percent.

### 1.5. <u>Reason for Rate Increase(s)</u>

The starting point of any renewal rate analysis is an assessment of actual to expected experience results. The basis for this rate filing is calendar year 2017 experience. While the claims experience matched the expectation embedded within the 2018 filing, our current estimate of 2017 risk adjustment is significantly better than expected, leading to a 1.3 percent decrease in 2019 rates.

Medical and pharmacy trend had by far the largest impact on rates. The 2018 filing included assumptions for trend from 2017 to 2018, including a medical utilization trend that was reduced to 1.0 percent from the 2.0 percent filed by BCBSVT and considered by the GMCB's consulting actuary to be the best estimate. The 2019 filing reexamines these assumptions. Restating the expected trend from 2017 to 2018 had a 1.3 percent impact on rates:

2017 to 2018 Trend Component	Approved 2018	Filed 2019	2019 Rate Impact
Medical Utilization	1.0%	2.0%	0.8%
Medical Unit Cost	2.6%	2.6%	-0.1%
Pharmacy	8.9%	13.3%	0.7%
Dental	10.3%	7.2%	0.0%
Vision	0.0%	0.0%	0.0%
Total			1.3%

The two largest impacts are the restoration of medical utilization trend to 2.0 percent and the significant increase in pharmacy trend, driven by specialty pharmaceutical utilization. See section 3.4.7 for a detailed discussion of trend assumptions.

An additional year of projected trend applies from 2018 to 2019. The overall anticipated increase in rates due to the additional year of projection is 6.0 percent:

2018 to 2019 Trend Component	Filed 2019	2019 Rate Impact
Medical Utilization	2.0%	1.5%
Medical Unit Cost	2.7%	2.1%
Pharmacy	13.3%	2.3%
Dental	7.2%	0.0%
Vision	0.0%	0.0%
Total		6.0%

Population changes have a 1.4 percent impact on rates, driven by an observed increase in average claims costs due to the loss of healthy members that is not expected to be fully offset by an increase in risk adjustment receivable, along with a 0.5 percent increase for the ongoing aging of the single risk pool.

Benefit changes made by the Department of Vermont Health Access for standard plans and by BSCBSVT for non-standard plans almost exactly offset the impacts of benefit leverage. Altogether, factors related to plan design, actuarial value and induced utilization marginally decreased rates by 0.3 percent.

Administrative charges and other fees increase premiums by 1.0 percent. The main contributor to this total is a 0.6 percent increase in premiums due to BCBSVT administrative costs, which nonetheless continue to be less than seven percent of total premium.

Restoration of the contribution to reserves to its necessary level adds 1.5 percent to rates.

The Tax Reform legislation passed in late 2017 eliminated federal income tax requirement for the BCBSVT legal entity starting with the 2018 tax year. These savings have been fully passed through to customers via a reduction in premium rates through two mechanisms: the contribution to reserves was decreased by 0.5 percent and the estimate for the federal insurer fee was reduced by 0.6 percent because it was no longer necessary to account for the disadvantageous tax impact of the fee. The premium savings due to Tax Reform totals 1.1 percent.

Two changes at the federal level had a nearly offsetting rate impact. The federal insurer fee was suspended for 2019. Because this tax was in force in 2018, this leads to a 2.0 percent reduction in 2019 rates. However, recent federal legislation also eliminated the penalty associated with the individual mandate. As a result, it is expected that a number of healthy individuals will choose to forgo coverage and leave the single risk pool. This is expected to exert an upward pressure of 2.2 percent on premium rates.

BCBSVT has embarked on numerous efforts to mitigate premium increases. In addition to passing 100 percent of federal income tax savings to consumers, BCBSVT has continued to work closely

with its pharmacy benefit manager to improve network pricing and maximize rebates. These pharmacy initiatives have similar impacts totaling a 2.3 percent decrease in premium. Additionally, BCBSVT is working closely with our network providers and OneCare Vermont to maximize our collaborative clinical reach focusing on reducing the overall medical costs. We expect these efforts to exert a downward pressure of just over one percent on medical utilization trend, driving a 0.8 percent rate reduction. Altogether, BCBSVT rate mitigation is leading to a reduction of rates of 4.2 percent, or a projected \$15.7 million.

# 1.6. <u>Historical Financial Results</u>

BCBSVT has been offering QHP products since the start of the program in 2014. Prior to offering QHPs, BCBSVT offered Individual and Small Group products. All Vermonters that were previously purchasing Individual and Small Group products were required to move to a QHP in 2014. The State allowed individuals and small groups to remain in their 2013 products through the first quarter of 2014. All financial information below includes only the QHP experience in 2014.

	CY 2014	CY 2015	CY 2016	CY 2017	Cumulative
Member Months	638,492	768,293	835,541	820,156	3,062,482
Filed Contribution to Reserve	1.0%	1.0%	2.0%	2.0%	1.6%
Approved Contribution to Reserve*	-0.1%	1.0%	0.8%	1.0%	0.7%
Actual Contribution to Reserve	1.0%	-1.4%	-3.2%	-0.5%	-1.2%

\*Includes explicit cuts to CTR as well as reductions to actuarial factors that were beyond those recommended by the Board's contracted actuary.

The actual contribution to reserve was calculated by restating financial results to include the impacts of Transitional Reinsurance, Risk Adjustment and other prior year events in the year they were incurred, rather than the year when they were booked.

The contribution to reserve necessary to have maintained the December 31, 2013 level of Risk Based Capital (RBC) over this four year period solely for increases in claims was 1.6 percent per year.

# 1.7. <u>Health Care Reform</u>

### All Payer Model

The All Payer Model agreement between the State and CMS began a formal pilot year program on January 1, 2017. The pilot year served as a test year for a Medicaid risk contract with OneCare Vermont, LLC ("OneCare"), an Accountable Care Organization ("ACO"). Additionally, the 2017 statewide medical spend experience serves as a baseline year for measurement of performance of the five-year agreement officially beginning in 2018. Under this new model, Medicare, Medicaid, and Commercial payers all enter into risk sharing agreements with the ACO, focusing on transitioning to value based reimbursement methodologies. All beneficiaries keep their current benefit and provider choice — there are no network or benefit restrictions. Through deployment of new care models, the All Payer Model requires that the ACO strive to reduce cost and meet three health improvement goals: improved access to primary care, reduced deaths from suicide and drug overdose, and reduced prevalence and morbidity of chronic disease.

BCSBVT is a proponent of health care payment reform and the goals of the All Payer Model. In preparation for the All Payer Model, BCBSVT continued testing a shared savings ACO program in 2017. BCBSVT did not experience savings during 2017 through the shared savings program, but the pilot period served to establish the necessary operations and communications work between BCBSVT and OneCare Vermont (OneCare).

In 2018, BCBSVT entered into its first shared-risk/shared-savings ACO program with OneCare. The BCBSVT ACO program is aligned with Medicaid's program and the All Payer Model agreement. Importantly, the agreement between BCBSVT and OneCare aligns the ACO expected spend target with GMCB approved premiums. If actual medical spend is higher or lower than medical component of the premium, the ACO will share in 50 percent of the savings or risk to a maximum of 6 percent.

BCBSVT's agreement with OneCare is an annual agreement with three additional one-year option years. In expectation of a 2019 program, BCBSVT is working closely with our network providers and OneCare to maximize our collaborative clinical reach focusing on reducing overall medical costs. Savings across the entire single risk pool for this initiative has been reflected in this filing (see section 3.4.7.1). It would be inappropriate to include an expectation of additional savings due to ACO operations, as this would undermine the alignment of target to premium. Any actual savings generated by BCBSVT risk contracts will be reflected through experience in future rate filings.

### Cost Share Reduction Funding and the Vermont Silver Solution

As part of the Affordable Care Act, the federal Cost Share Reductions (CSR) program is available to benefit low income Vermonters. The CSRs reduce out-of-pocket expenses through lower deductibles, copayments and out-of-pocket maximums if the member enrolls in a Silver Level Plan. These plans, which must meet specific metal actuarial values (AVs), have historically been available at the same premium as the non-CSR Silver plans. The federal government administered the program directly through the carrier, rather than the beneficiary, and used monthly advance payments with an annual reconciliation process to reimburse issuers for the difference between claims incurred by enrollees and the estimated payments.

On October 12, 2017, the federal government stopped funding plans for the claims incurred within the CSR program. Vermont carriers were not permitted to resubmit rates to recoup the CSR benefits expected to be utilized by members for 2018.

In preparation for the ongoing lack of federal CSR funding, Vermont passed Act 88<sup>1</sup>, an act allowing silver-level nonqualified health benefit plans to be offered outside the Vermont Health Benefit Exchange (sometimes referred to as the "Silver Solution"). This Act allows issuers to "load" Silver plans by including the estimated CSR cost into the premium for Silver Level Exchange Plans and offer non-loaded off exchange "Reflective Silver Plans." This strategy, used by the majority of states, takes advantage of the federal advanced premium tax credit program to offset the loss of CSR funding and protect all Vermont Exchange enrollees.

#### Vermont State Legislature

The rates submitted reflect current law coverage, benefits and cost sharing amounts in place for 2019. The Vermont legislature is currently in session, and there are a number of bills being considered that could impact the 2019 rates described in this filing. If any of these bills pass and become effective for the 2019 plan year, BCBSVT expressly reserves the right to amend these submitted rates to reflect any changes required by new law.

#### Other Marketplace Issues

The federal government has taken steps to introduce alternatives to ACA-compliant plans into the individual and small group markets. These alternatives, most notably Association Health Plans and Short Term Limited Duration plans, could significantly disrupt the single risk pool.

Federal and state regulation is still pending for these alternatives. While their availability in 2019 remains uncertain, various actuarial studies suggest that these plans could have a detrimental impact on rates for the ACA-compliant plans. We have chosen not to adjust 2019 rates for the emergence of these alternative plans, as the absence of regulation makes their potential impact on the single risk pool unclear. Depending on the timing and content of expected regulation, it is more likely that these plans will have an impact on the single risk pool beginning in 2020.

<sup>&</sup>lt;sup>1</sup> https://legislature.vermont.gov/assets/Documents/2018/Docs/ACTS/ACT088/ACT088%20As%20Enacted.pdf

# 2. <u>PROPOSED BENEFITS</u>

### 2.1. Description of Benefits

BCBSVT will be offering two types (Standard and Non-Standard) of plans to the Individual and Small Group market in 2019. These plans include coverage for all Essential Health Benefits (EHBs). All plans are on the Exclusive Provider Organization (EPO) network and offer members access to a nationwide network of providers, including 92 percent of the providers in Vermont.

<u>BCBSVT Standard Plans</u>: BCBSVT is providing rates for the Standard Plans with benefits as approved by the Green Mountain Care Board, which are outlined in Exhibit 1A - "State of Vermont Standard Plan Designs." The form filings for these products can be found under BCVT-131415918 for Non-CDHP plans and BCVT-131416317 for CDHP Plans.

<u>BCBSVT Blue Rewards (Non-Standard) Plans:</u> BCBSVT is providing rates for two health and wellness-based non-standard products that we have named Blue Rewards and Blue Rewards CDHP. Please see Exhibit 1B - "Blue Rewards (Non-Standard) Plan Designs" for details on the benefit structure. The form filings for these products can be found under BCVT-131416286 for Non-CDHP plans and BCVT-131416310 for CDHP Plans. BCBSVT Blue Rewards plans also offer a wellness program with incentives up to \$300 per year for each adult member for completing a health assessment, having a physical exam, participating in a workshop or challenge, or having a routine eye or dental exam or clinically appropriate screening. BCBSVT is introducing a new Blue Rewards Silver CDHP plan effective January 1, 2019.

### **Reflective Silver Plans**

As described in section 1.7, pursuant to Act 88, BCBSVT will be offering silver plans off-exchange only for the 2019 plan year. These plans will be "reflective" of the on-Exchange plans and only have a \$5 copayment, 5% coinsurance or \$25 deductible difference from the on-Exchange plan.

### Uniform Compliance

All of the renewing benefits are in compliance with 45 CFR §147.106. Specifically, all renewing benefits continue to be offered on BCBSVT's Exclusive Provider Organization (EPO) network and continue to cover the same service area. Some cost sharing levels were modified to maintain the same metal tier levels. Each product covers the same benefits as covered for plan year 2018.

### 2.2. AV Metal Values

Standard plans are designed by the State of Vermont and offered by all issuers of QHPs. Please see *Attachment A - Standard Plans AV Certification - 2019* for the certification provided by the State.

Blue Rewards (Non-Standard) plans are designed by BCBSVT. The metal values included in the Unified Rate Review Template (URRT) were calculated using an alternate methodology, as allowed by 45 CFR §156.135. Multiple benefit designs offered in BCBSVT's Non-Standard plans are not supported by the AV Calculator. Please see Attachment B - Blue Rewards (Non-Standard) Plans AV Certification - 2019, for the actuarial certification, which includes the process used to develop the AV Metal Values.

# **3.** EXPERIENCE RATING

### 3.1. Experience Period Premium and Claims

The experience period used is 2017 experience of Blue Cross and Blue Shield of Vermont (BCBSVT) Individual and Small Group markets. This population will be referred to as the Single Risk Pool.

We used claims incurred January 1, 2017 through December 31, 2017 and paid through March 31, 2018. Both the paid claims and the allowed charges were completed using BCBSVT's monthly reserving models that underlie the financial statement reserves (best estimates before margin). These methods are subject to review by independent auditors and examination by Vermont Department of Financial Regulation (DFR). For the purpose of calculating completion factors, the reserving method categorizes claims by reporting/payment process (Local, BlueCard, Pharmacy, Medicare Supplement, etc.). Completion factors are calculated separately for each category. We also included an estimate of IBNR for the outstanding pharmacy rebates.

The paid claims and allowed charges come directly from claim records in BCBSVT's data warehouse. For Fee-for-Service claims, we combined plan payment with member cost sharing to calculate the allowed charges. For claims under a capitation arrangement, we combined capitation paid to the provider with the member cost sharing to generate allowed charges.

The table below shows details underlying the Incurred Claims and Allowed Claims (from URRT, Section I of Worksheet 1) for the Experience Period.

	Incurred Claims	Allowed Claims
Claims incurred and paid through December 31, 2017	\$372,876,941	\$456,629,973
Estimate of IBNR as of March 31, 2018 for Claims	\$1,558,026	\$1,825,602
Estimate of IBNR as of March 31, 2018 for Pharmacy Rebates	(\$2,345,740)	(\$2,345,740)
Total Claims	\$372,089,227	\$456,109,835
Member Months	819,824	819,824
Total Per Member Per Month (PMPM)	\$453.86	\$556.35

The experience period total allowed charges PMPM are \$556.35.

In the experience period, the earned premium was \$408,055,901. BCBSVT will not be required to pay Minimum Loss Ratio (MLR) rebates for the 2017 calendar year.

### 3.2. <u>Benefit Categories</u>

Medical claims are initially categorized into two categories based on the type of claim form the provider submitted: UB-04/CMS 1450 (Facility Inpatient/Outpatient) or HCFA/CMS 1500 (Professional/Other). Facility claims are then divided into the Inpatient and Outpatient categories in Worksheet 1, Section II of the URRT by the place of service listed on the UB-04 claim form.

Professional and Other medical claims are subdivided based on whether the provider is a medical professional or medical supplier as submitted on the HCFA 1500 claim form.

The prescription drug benefit category was populated for claims processed through our pharmacy benefit manager.

The capitation benefit category was populated with claims that run through our internal capitation system. The capitation category uses "Benefit Period" as a utilization description and the units represent the number of capitations in a given year.

### 3.3. Index Rate

The Index Rate is equal to the experience period allowed charges for EHB. As shown in section 3.1, the total allowed charges per member per month in the experience is \$556.35. In 2017, BCBSVT removed an exclusion for routine circumcision (see section 3.8.3 for details). Those services are not considered EHB and must be removed from the experience to calculate the Index Rate.

	РМРМ
Allowed Claims in section 1 of worksheet 1 of URRT	\$556.35
Allowed Claims for Non-EHB	\$0.08
Experience Index Rate	\$556.27

The experience index rate for 2017 is \$556.27.

To calculate the Projected Period Index Rate, we first excluded pharmacy rebates, BlueCard fees, and payments to the Blueprint program. These claims are not dependent on benefits and are not subject to the projection factors described in the following sections. They will be added back into the Projected Period Index Rate (as described in section 3.4.6.).

BCBSVT has access to the detailed claims information underlying capitated claims. Since capitated payments are routinely adjusted to target 100 percent of FFS claims, using the FFS equivalent represents the expected payment better than does the capitation.

These adjustments are included in the "Other" factor in the section 2 of worksheet 1 of the URRT.

	Total Dollars	РМРМ
Allowed Claims in section 1 of worksheet 1 of URRT	\$456,109,835	\$556.35
Remove BlueCard Fees	(\$1,612,162)	(\$1.97)
Remove Pharmacy Rebates	\$10,456,519	\$12.75
Remove Payments to Blueprint Program	(\$3,086,284)	(\$3.76)
Replace Capitation with FFS equivalent	\$565,236	\$0.69
Line A of Exhibit 5	\$462,433,145	\$564.06

# 3.4. <u>Projection Factors</u>

The 2017 Tax Cuts and Jobs eliminated the penalty associated with the individual mandate for plan years 2019 and beyond. The elimination of the penalty is expected to impact both enrollment and claims cost as some healthy members will choose to forgo insurance. The removal of the penalty impacts our membership projection (section 3.4.2.), morbidity of the population insured (section 3.4.3.) and the administrative costs (section 3.8.5.1). The premium impact totals 2.2 percent, which is within the best estimate range suggested by a study published jointly by the GMCB and DFR<sup>2</sup>. We will describe each of the impact separately.

# 3.4.1. Change in the Definition of Small Group

As of the first renewal date on or after January 1, 2016, the Vermont definition of Small Group changed to include groups with 51-100 employees. All small groups in the experience period were already part of the single risk pool, therefore the factor  $(1+b_1 \text{ on Exhibit 5})$  to adjust for the change in the definition of Small Group is 1.000.

### 3.4.2. Membership Projections

As of March 2018, BCBSVT had 53,664 members enrolled in the single risk pool, either individually through Vermont Health Connect or directly as individuals or small group employees.

We used this information as the starting point to project the 2019 enrollment and the distribution by plan, including movement between plans and into the new proposed plans.

An adjustment was made to the starting point enrollment for the expected membership losses due to the elimination of the individual mandate. We assumed that all members that receive a premium subsidy as well as all members that are enrolled through their small group employer will remain in the market. That leaves the individual members that do not receive a premium subsidy as the population that could consider dropping their insurance due to the elimination of the mandate. We believe within this population those who do not use their benefit or only have preventive care services will leave the market. Over the last three calendar years we observed an average of 11.8 percent of member months in this sub-population (or 2 percent of the overall population) fall into the category of using no benefits or preventive care only benefits. Applying

<sup>&</sup>lt;sup>2</sup> <u>http://gmcboard.vermont.gov/sites/gmcb/files/Individual%20Mandate-%20impact%20in%20Vermont.pdf</u>

this factor to our 2019 starting point results in an expected loss of 1,073 members, or a 2019 projected enrollment of 52,591.

Experience has shown us that over time we will see movement to less expensive plans due to rate increases in the market. We expect this will result in movement from Gold to Silver and to some extent from Silver to Bronze.

As described in section 1.7, Vermont is now offering Off-Exchange silver plans (also called Reflective plans). Members that are not eligible for subsidies are expected to move from the On-Exchange Silver plans to the Reflective plans.

BCBSVT filed a Blue Rewards Silver CDHP benefit design as part of the form filing submitted to DFR in March. This plan is very similar to plans that were very popular in Small Group prior to 2014. We assumed that some members in either the Blue Rewards Gold CDHP or in other Silver plans would enroll in the new Blue Rewards Silver CDHP.

Based on these factors, our best estimate for the 2019 BCBSVT Individual and Small Group population by plan and market can be found on Exhibit 2A.

The total member months expected to be covered by this filing is 643,968.

This projected membership was also used to adjust our Index Rate for demographics, morbidity, benefit changes, and other allowable adjustments described below.

### 3.4.3. Changes in the Morbidity of the Population Insured

Our experience period is based on calendar year 2017. Using March 2018 enrollment, we grouped members into broad categories of Active and Canceled. Canceled members can be further divided into two categories: voluntary cancelation and cancelation due to death. Voluntary cancelations can be further broken down by aging out, cancellations from normal group turnover, and individual cancellations. Individuals aging out are captured in our demographic adjustment (see section 3.4.5). In past filings, we assumed that group turnover leads to the hiring of similarly-situated individuals and therefore, we only adjusted for the impact of individual cancellations. In 2018, we experienced far larger than typical cancelations in the Small Group segment. To reflect this, we are also adjusting for Small Group members leaving BCBSVT. If all members in a group canceled, we are excluding them under the assumption that the entire group moved to a different carrier. If members that canceled were part of a group that is still with BCBSVT, we assumed that group turnover will lead to the hiring of similarly-situated individuals; therefore, an adjustment is not needed for such members.

We split the experience claims costs based on these categories in order to compare the different populations. We adjusted the allowed charges from the experience period to reflect the average claims cost of members who did not voluntarily terminate or are part of a small group still enrolled with BCBSVT prior to the end of calendar year 2017.

	Voluntary Cancelation in the Individual Market	Members in Groups that are no longer with BCBSVT	All Other Members	Total
Experience Period Allowed	\$37,911,937	\$39,657,452	\$384,863,755	\$462,433,145
Member Months	68,283	84,643	666,898	\$819,824
РМРМ	\$555.22	\$468.53	\$577.10	\$564.06

The factor  $(1+b_9 \text{ on Exhibit 5})$  to adjust for the change in pool morbidity is 577.10/564.06 = 1.0231.

We also adjusted the projected allowed charges  $(1+b_3 \text{ on Exhibit 5})$  for the impact of members that were new to the single risk pool in 2018. We assumed that these members would have claims levels similar to members enrolled the same line of business in 2017. The impact of the Newly Insured is 1.0005, as shown on Exhibit 2B.

The claims impact of eliminating the individual mandate penalty  $(1+b_7 \text{ on Exhibit 5})$  represents the increase in the allowed charge PMPM when the expected low cost individuals leave the market. As discussed in section 3.4.2, approximately 2 percent of member months came from members that had no claims or had preventive care only claims within the individual market not receiving premium assistance. This leaves the BCBSVT pool with 2 percent less member volume with very nearly the same expected total claims. Therefore an adjustment of 1.02 has been used as the claims impact of eliminating the individual mandate.

# 3.4.4. Changes in Benefits

The impact of benefit changes  $(1+c_1 \text{ line on Exhibit 5})$ , represents the anticipated change in the average utilization of services due to the change in average cost sharing in the projection period compared to the experience period. To calculate this factor, we first calculated the PMPM allowed charges by metal level. To ensure that high claims were not skewing the relationship between metals, we removed claims above \$500,000 and replaced these by the average PMPM for claims above that threshold. We then compared the PMPM by metal to the average to get allowed charge relativities. Using the experience member months and the projected membership by metal, we calculated an average allowed charge relativity for each and compared the two averages to calculate the impact of changes in benefits. The impact of the movement between benefits is 1.0075, as shown on Exhibit 2C.

# 3.4.5. Changes in Demographics

To develop the change in demographic factor (factor  $1+c_3$  on Exhibit 5), we used the age-gender factors from the SOA's report Health Care Cost - From Birth to Death<sup>3</sup>. In previous filings, we applied these factors to both the experience membership and the projected membership and compared the average factors. In 2018, we experienced a higher than historical shift in the

<sup>&</sup>lt;sup>3</sup> <u>https://www.soa.org/Research/Research-Projects/Health/research-health-care-birth-death.aspx</u>

demographics of the single risk pool. This has already be accounted for in the 1+b<sub>9</sub> factor (section 3.4.3). To avoid double-counting for this shift but to also reflect the expected future aging of the population, we used the three year average increase in age-gender factor for the period from 2014 through 2017 as our projected annual increase due to changes in demographics.

Year	Average Age- Gender Factor	Annual Increase
2014	1.2476	
2015	1.2512	1.0028
2016	1.2575	1.0051
2017	1.2666	1.0072
2018	1.2880	1.0169

The demographic adjustment  $(1+c_3 \text{ on Exhibit 5})$  is 1.0101, which reflects two years of aging from the experience period to the projection period at the average annual increase from 2014 to 2017.

### 3.4.6. Other Adjustments

The buildup of the Projected Index Rate also includes a factor to reflect new pharmacy contracts, a factor to reflect the impact of selection on allowed costs, a factor to reflect the impact of the elimination of the individual mandate, and adjustments for non-system claims<sup>4</sup>.

### Changes in Provider Network (1+c2)

Since the experience period claims and the projection period claims are both on the EPO network, the factor for the change in provider networks (factor  $1+c_2$  on Exhibit 5) is 1.000

### Changes in Pharmacy Contracts (1+c5)

BCBSVT established a new contract with its pharmacy benefit manager, ESI, with discount improvements effective January 1, 2018, that will impact the projected pharmacy allowed charges. To calculate this factor, we applied the contracted discounts and dispensing fees for each type of drug (Generic, Brand and Specialty) to calendar year 2017 claims for both the experience period and the projected period contract provisions. The contract adjustment factor for each type of drug, calculated by taking the ratio of the projected pharmacy claims under each contract, was applied to the projected pharmacy claims (see Exhibit 3G for details). The adjusted projected pharmacy claims were then added to the projected medical claims to calculate the overall impact of the contract changes, as shown on Exhibit 3H. The total impact of the change in pharmacy contracts is 0.9875, as shown on line  $1+c_5$  of Exhibit 5.

#### Impact of Selection (1+c<sub>6</sub>)

Subscribers will make financial decisions that are right for them. Typically, this manifests itself in healthier subscribers selecting low-cost plans while less healthy subscribers select richer benefits. While we do not reflect selection in the plan-level adjustments, as per the

<sup>&</sup>lt;sup>4</sup> Non-system claims are payments that are not processed through the claims adjudication system.

instructions, it can be demonstrated that total premium will be understated without adjusting the index rate to spread the impact of selection across all plans (see Exhibit 2D). This is due to the plan share of allowed costs being greater for richer plan designs, which demonstrably experience antiselection in excess of benefit richness adjustments. The top section of Exhibit 2D shows the build-up of paid claims from allowed charges using actual plan-level adjustments described in Section 3.8 of this Memorandum. The bottom section of the same exhibit demonstrates the impact on total paid claims of using benefit richness adjustments that instead reflect actual 2017 single risk pool experience. The ratio of weighted average projected paid claims calculated via each of these two approaches produces a factor that must be included in the index rate so that application of the various plan-level adjustments results in the correct total paid claims across all plans. The total impact of selection is 1.0132, as shown in Exhibit 2D.

#### Impact of VHC Adjustments (1+b<sub>8</sub>)

VHC has made significant strides in improving the accuracy of their membership data. The observed impact on 2016 data for retro cancellations and 2017 data for claims without membership is immaterial, and we do not expect further improvements. The total factor on line  $1+b_8$  of Exhibit 5 is therefore 1.000.

#### Non-System Claims (e1 - e7)

Other costs were added in the buildup of the Projected Index Rate to account for non-system claims (Items  $e_1$ - $e_5$  on Exhibit 5). As previous explained in section 3.3, these non-system claims are claims that are independent from the benefits.

• Pharmacy Rebates (e<sub>1</sub>):

The experience period pharmacy rebates are estimated to be \$12.75 PMPM. This number is a combination of actual rebates and estimates using our contractual rebate guarantee since we have not yet received the details underlying the rebate payment for part of the 2017 calendar year. Pharmacy rebates are expected to trend at the same rate as Brand Drugs. As shown on Exhibit 3G, the projected cost trend for Brand drugs is 12.3 percent, which brings projected pharmacy rebates to \$16.09 PMPM prior to adjusting for the new formulary BCBSVT started using on January 1, 2018.

As of January 1, 2018, BCBSVT moved this line of business from its current formulary to ESI's National Preferred Formulary. With this new formulary, we expect rebates to increase significantly. To estimate the increase in rebates, ESI provided a projected rebate amount for each brand drug. Using our experience brand drug scripts, we calculated the projected total amount of additional rebates. These additional rebates of \$1.94 PMPM were then trended using the Brand cost trend of 12.3 percent for a total of \$2.44 PMPM. The total projected rebates are therefore \$18.53 PMPM.

• Blueprint Payments (e<sub>2</sub>):

BCBSVT participates in the Vermont Blueprint for Health<sup>5</sup> program. The Vermont Blueprint for Health Manual, effective January 1, 2016, details the funding for both portions of the program: Community Health Teams (CHT) and Patient Centered Medical Homes (PCMH). We do not expect the funding for either CHT or PCMH to change in 2019. Therefore, we assumed that the experienced PMPM of \$3.76 would continue to 2019.

<sup>&</sup>lt;sup>5</sup> <u>http://blueprintforhealth.vermont.gov/</u>

- Interplan Teleprocessing System (ITS) (e<sub>3</sub>):
- The BlueCard® Program gives BCBSVT members healthcare coverage wherever they go across the country and around the world. The fees associated with this program are independent of the amount of the claims and therefore solely dependent on utilization of BlueCard participating providers. As described below, we believe that the medical annual utilization trend, before the impact of the cost containment strategy, is 2.0 percent; therefore, these fees are expected to increase at 2.0 percent. The experience period fees (\$1.97 PMPM) are projected to grow to \$2.05 PMPM in 2019.
- Vermont Vaccine Purchasing Program Payments (e<sub>4</sub>):
- The Vermont Vaccine Purchasing Program<sup>6</sup> offers health care providers state-supplied vaccines at no charge by collecting payments from health plans, insurers and other payers. This assessment is now based on a PMPM charge, which is a change from the previous year when it was based on claims. We applied the 2018 rates of \$8.15 per child and \$0.72 per adult to the experience period membership. On March 23, 2018, the Vermont Vaccine Purchasing Program released a memo explaining that they ended the fiscal year 2017 with an unobligated balance much higher than anticipated. On April 5, 2018, they amended the remaining 2018 rates<sup>7</sup> to be \$0.01 PMPM and noted that "For planning purposes, we would like payers to be aware that the 2019 assessment rate is expected to remain somewhat below normal. The 2019 assessment rate will be set in the fall of 2018." We estimate that the 2019 rates will be 60 percent of the original 2018 rates. The average PMPM for the experience period of \$1.65, was multiplied by 0.60 to calculate the projected period PMPM of \$0.99.
- Net Cost of Reinsurance (e<sub>5</sub>):

BCBSVT uses reinsurance to protect itself against very high claims. Included in the Projected Index Rate is the net cost (reinsurance premium less expected reinsurance claims) of reinsurance. This PMPM cost of \$1.36 was calculated in BCBSVT Large Group Rating Program Filing (SERFF #BCVT-131424513).

• OneCare Coordination Fee (e<sub>6</sub>):

BCBSVT is paying OneCare VT a PMPM care coordination fee for attributed BCBSVT members to directly support ACO providers, including community providers, as they deploy new care models. This model mirrors the investment Medicaid has made in the ACO provider network and supports the comprehensive care models being tested within the ACO program. The monthly PMPM for members attributed to OneCare is \$3.25. This fee will be included as a claims expense in the risk sharing calculation that is subject to a 50 percent shared risk/savings. As of March 2018, 37.4 percent of the Single Risk Pool was attributed to OneCare. The projected PMPM is therefore  $0.61 = 0.5 \times 0.374$ .

 ESI Additional Administration Fees (e7): ESI offers additional services to BCBSVT for clinical management programs. These programs include prior authorizations, step therapy, quantity reviews, copay reviews, and pharmacy vaccination programs, as well as ESI's RationalMed<sup>SM</sup> program, which protects patients against

<sup>&</sup>lt;sup>6</sup> <u>http://www.vtvaccine.org/</u>

<sup>&</sup>lt;sup>7</sup><u>http://www.vtvaccine.org/vtvaccine.nsf/documents/2018AssessmentRateChangeNoticeAndLetterFromTheCommissioner.html/\$File/2018%20VVPP%20Committee%20Recommendation%20letter%20and%20Notice%20of%20Assessment.pdf</u>

potentially harmful drug interactions. The total PMPM in the experience period was \$0.56 PMPM for these services, and is projected to be the same in 2019 since the contractual rates will remain the same.

# 3.4.7. Trend Factors (cost/utilization):

The source of the data is BCBSVT's data warehouse, except where noted below. To ensure accuracy of claims information, the data used has been reconciled against internal reserving, enrollment, and other financial reports. Claims incurred between January 1, 2015 and December 31, 2017, completed through March 31, 2018, were used in the analysis. Completion factors, based on best estimates from financial reporting before margin for conservatism, are applied to estimate the ultimate incurred claims for each period shown in the exhibits.

The data includes claims from the Single Risk Pool and the non-QHP experience for groups with 51-100 employees that joined the Single Risk Pool in 2016, when Vermont changed the definition of Small Group to include groups with 51-100 employees. Over the past few years, we have experienced membership retroactivity, primarily associated with members enrolled through VHC. This retroactivity causes some claims to no longer be associated with active membership. The data excludes claims that are no longer associated with active enrollment.

### 3.4.7.1. Medical Trend Development

Using the historical contracted reimbursement schedules, we calculated network factors that represent the various contracts. Using these factors, we can modify the claims to reflect only one contract. From there, we can observe the historical cost increases using all claims information.

Medical trend is composed of three pieces: cost, utilization and intensity. In our analysis, we combine utilization and intensity within the utilization metric and analyze the unit cost separately. Historical experience is normalized for contract changes and then analyzed to derive a utilization trend in the absence of unit cost changes. Future unit cost trends are developed on a discrete basis, using the most recent round of contract negotiations as a starting point. The overall trend is the product of these two components.

# Unit Cost

Unit cost trends were largely derived from observations of recent contracting and provider budgetary changes. During calendar year 2017, about 53 percent of total medical claims dollars occurred at Vermont facilities and providers impacted by the hospital budget review process of the GMCB. The starting point of our calculation assumes that the GMCB will approve hospital budgets for October 1, 2018 and October 1, 2019 that support identical commercial increases as those approved for October 1, 2017, with the exception of hospitals that publicly announced<sup>8</sup> a different intended commercial rate increase. Based upon those assumptions, the provider contracting and actuarial departments worked together to assess the impact such an increase would have on contract negotiations specific to the EPO network used for Qualified Health Plans.

<sup>&</sup>lt;sup>8</sup> <u>http://gmcboard.vermont.gov/sites/gmcb/files/A17N99%20NARR.pdf</u>

Similarly, we assumed for other providers within the BCBSVT service area that overall 2018 and 2018 budget increases would be identical to those implemented during calendar 2017, with the exception that if we have learned more recent information from our early negotiations with providers, the more recent information is reflected. Again, the provider contracting and actuarial departments worked closely together to assess the impact these increases would have on contract negotiations specific to the EPO network used for Qualified Health Plans.

Finally, unit cost increases for providers outside the BCBSVT service area were derived from the Fall 2017 Blue Trend Survey, which is a proprietary and confidential dissemination of the Blue Cross and Blue Shield Association.

Annual Reimbursement Changes due to Budget Increases and Contracting Season	Percent of Total Allowed Medical Claims in Experience	Cost Trend from 2017 to 2018	Cost Trend from 2018 to 2019	Total Annual Cost Trend
Vermont facilities and providers impacted by GMCB's Hospital Budget Review	53.2%	2.3%	2.1%	2.2%
Other facilities and providers	46.8%	2.9%	3.5%	3.2%
Total	100.0%	2.6%	2.7%	2.7%

The results of the analysis are summarized in the below chart:

# Utilization & Intensity

Historical utilization trend patterns were examined by first normalizing for unit cost increases. Contract changes for the entirety of the experience period were measured explicitly for each facility within our service area, as well as the three largest physician groups.

Increases were measured for fee schedules and other chargemasters by applying each schedule to a market basket of services. The market basket was defined by using Current Procedural Terminology (CPT) codes & CPT modifier combinations that were present in each of the effective periods the schedules covered. Using the same experience period data used throughout the trend analysis, total allowed costs for the selected combinations of CPT and CPT modifier were compared under each schedule to estimate the percentage increase. For contracts under Diagnosis Related Group (DRG) arrangements, we compared the charge for the 1.000 DRG service for each period. Finally, for services under a discount of charge arrangement, we used the contracted chargemaster increase provided by our Provider Contracting department.

This accounted for about 84 percent of allowed claims dollars during the experience period. Costs for other claims are primarily for out-of-area services. Contracting changes for these claims were derived from the Fall 2017 Blue Trend Survey, which is a proprietary and confidential dissemination of the Blue Cross and Blue Shield Association.

Claims were normalized to the December 2017 contract at each unique provider by applying a factor equal to the product of the impact of each contracting change from the experience month through December 2017. The derived trend for other claims was assumed to be continuous. Please see Exhibit 3A for an illustration of this approach.

Shown on page 1 of Exhibit 3B is the resulting array of allowed PMPM claims costs, before and after normalization for contract changes. Inpatient and Outpatient claims were grouped together since we have observed a shift from Inpatient to Outpatient.

Utilization is influenced by the richness of a product and, when benefits get richer over time, the utilization will increase. To adjust for this phenomenon, we calculated the average induced utilization factor based on the actuarial values of the plans in the experience and adjusted each month to reflect the benefits in place in December 2017.

Utilization is also influenced by age. Using SOA's report Health Care Cost - From Birth to Death factors, we calculated the average age-gender factors for the members included in the development. We adjusted each month in to reflect the age-gender factor evident in December 2017.

Since early 2014, BCBSVT implemented many new programs to combat fraud, waste and abuse (FWA). As shown in the table below, the return of FWA programs has increased drastically in the past four years for ACA-Compliant Individual and Small Group business.

Calendar Year	Percent of claims recovered as part of FWA programs
2014	0.09%
2015	0.75%
2016	1.05%
2017	1.10%

This increase in recoveries is skewing the trend calculation downward. We have therefore adjusted the claims to reflect 2017 recovery rates. We expect that the percentage of claims recovered through these programs will remain at approximately one percent of total allowed claims through 2019. We have accordingly not adjusted the trend for future improvements in FWA efforts.

Given that our standard methodology produced atypically high utilization trends, we removed all claims from members who exceeded \$250,000 in allowed medical claims a calendar year. As the utilization component includes intensity, an increase in high cost claimants can disproportionately impact the year-over-over and regression calculations. Exhibit 3B, Page 4 shows the resulting array of allowed PMPM claims costs after this adjustment.

Using the array of PMPM claims costs, adjusted for contract, benefits, aging, FWA programs and high claimants, shown on Exhibit 3B, Pages 5 to 11, we performed 24-month regression, 36-month regression and time series calculations. Certain time series methods, such as those

assuming no trend or those for which there is not sufficient historical data<sup>9</sup>, are not included, as these are inappropriate for use in trend development and/or for the data available.

We have selected an overall utilization trend of 2.0 percent.

We approached our trend utilization selection two different ways. First, we looked at facility and professional claims separately and then at all claims combined.

When observing facility and professional separately, we believe that 1.0 percent for facility and 4.0 percent for professional are reasonable trend selections. When taking a weighted average of those trends, the total utilization trend calculates to 1.945 percent.

For facility claims, the two year trend was 1.0 percent after removing claimants in excess of \$250,000. The regressions and Holt-Winters and Damped Trend Seasonal time series all range between 0.0 percent and 1.2 percent. The regression results, which in past years have been the basis of our trend selections, are at the high end of that range. We believe that a 1.0 percent trend is the best representation of future increases in facility claims utilization and intensity. Increasing utilization and intensity of facility services is corroborated by hospital actual-to-budget narratives. The impact of low cost trend changes are counteracted to some extent by increasing utilization and intensity, which is acknowledged as a main driver of hospital budget overages.

Professional claims utilization has been ramping up over the last year. This is expected as care continues to be shifted to more appropriate setting. For example, we observed a 7.0 percent increase in professional mental health services, much of which is likely replacing inpatient and ER visits. The calendar year 2017 over calendar year 2016 PMPM was 4.0 percent and the average of the regressions and time series results averaged 4.1 percent. We have accordingly selected a professional utilization trend of 4.0 percent.

When selecting overall utilization trend, 2.0 percent is aligned with observations of year-overyear results, regressions and time series results performed on the overall PMPMs. The results of the regressions, Holt-Winters and Damped Trend Seasonal time series range from 1.3 percent to 2.3 percent with an average of 1.9 percent.

Finally, the resulting overall utilization trend derived from the selected facility and professional trends is 1.945 percent. This is very closely aligned with observations, regressions, and time series results for overall utilization trend, and virtually matches our selected overall utilization trend assumption of 2.0 percent. Because of the close synchronicity of our two methods, we believe 2.0 percent is an appropriate medical utilization trend.

The components of increasing utilization trend have been corroborated by our Chief Medical Officer. Primary drivers include pharmaceuticals dispensed in a medical setting, office visits and preventive services, and diagnostic services, including outpatient labs, x-rays and high-dollar imaging. Medical pharmaceutical claims are up some 14.3 percent year-over-year, driven by high-cost cancer, rheumatoid arthritis and immunodeficiency medications. Similar to retail

<sup>&</sup>lt;sup>9</sup> The seasonal additive, seasonal multiplicative, single moving average, and single exponential smoothing methods cannot be used since they assume zero trend. The double moving average method requires three times the amount of historical data as projection periods, and therefore should not be used for this analysis.

specialty drugs, innovation and utilization for these expensive therapies is not expected to subside in the near future. Office visits and preventive services increased by 3.6 percent and 7.5 percent respectively from 2016 to 2017. Primary drivers included professional mental health services, as noted above, and a significant increase in colonoscopy screenings, both of which we see as positive developments toward moving care to the most appropriate clinical setting and providing clinically appropriate preventive care that will reduce health care spend in the long term. Finally, diagnostic services were up nearly seven percent from 2016 to 2017, likely driven by the increase in office and preventive visits. We anticipate that each of these primary drivers of medical utilization trend will continue to escalate in the immediate future.

The selected 2.0 percent overall utilization trend is lower than the trend calculated by our standard methodology, but is in the range of trends produced by the time series analysis. A 2.0 percent utilization trend is consistent with our filing assumption from last year, and is lower than the utilization trend observed for other Vermont insured populations.

### Cost Containment Strategy

BCBSVT is working closely with our network providers and OneCare Vermont to maximize our collaborative clinical reach focusing on reducing the overall medical costs. Using many programs, we have two specific goals for 2019. We target reducing overall inpatient admissions by four percent by reducing readmissions, and we also target reducing emergency room visits by five percent. This will be achieved through enhanced collaborative care coordination support to our members with a goal of redirecting care to primary care providers when appropriate.

Using calendar year 2017 data, we estimated that 101 inpatient admissions with an average cost of \$30,300 would be replaced by office visits, outpatient labs and non-specialty scripts. The average replacement cost for all these services is \$3,400, with \$2,200 of that for medical claims. The additional expected scripts are added to the projected total days supply on Exhibit 3G (see section 3.4.7.2 for details). We estimated that 764 emergency visits with an average cost of \$1,741 would be replaced by a PCP visit with an average cost of \$107, for a total savings of \$1.25 million. The total projected savings of \$4.08 million create a reduction of medical claims of 1.1 percent. This reduces the medical utilization trend from 2018 to 2019 to 0.9 percent. Please see Exhibit 3C for details.

### **Overall Medical Trend**

After adjusting the utilization trend from 2018 to 2019 for the savings expected from the cost containment strategy, the overall medical trend assumption is 4.1 percent.

# 3.4.7.2. Pharmacy Trend Development

With the emergence of new and expensive specialty drugs, as well as the increasing shift to generics as more brand drugs come off patent, we analyzed the components of trend (cost and utilization) separately for Brands, Generics, and Specialty drugs. We have projected the generic dispensing rate (GDR) based on the brand drugs that are scheduled to lose patent in the next few years. Specialty drugs are very high cost drugs with low utilization. Because of their relative infrequency, it is more appropriate to look at the overall PMPM trends for these drugs rather than separate cost and utilization components. The overall pharmacy trend is then calculated by combining the separate projections.

#### Non-Specialty Drugs Utilization

Exhibit 3D provides the monthly and the 12-month rolling data, along with the corresponding year-over-year and exponential regression trends, for non-specialty drugs utilization. The number of days supply, rather than the number of scripts, is used to normalize for changes in the days supply per script (e.g. increased use of 90-day fills). Because there are several popular brand drugs that have become generic during the experience period, or will become generic during the projection period, we have combined the data for generic and brand drugs for the purpose of analyzing utilization patterns.

As described above, utilization trends should be adjusted for changes in benefits and aging. We adjusted each month to reflect benefit and aging adjustment. Using the array of PMPM after adjustments, we performed 24-month and 36-month regressions.

The regression results are higher than the most recent year over year results. We believe that they are skewed due to the significant seasonal increase in pharmacy utilization in the fourth quarter of each year. We therefore selected 2.1 percent, the calendar year 2017 PMPM over calendar year 2016 PMPM results, as the non-specialty drugs utilization trend.

This year, instead of projecting a Generic Dispensing Rate, we separated the drugs into seven categories:

- Generics: Drugs that have been generic since at least January 2015
- New Generics: Generic drugs that have been in the market for less than 36 months (January 2015 to December 2017)
- Brands going Generic: brands that are expected to become available in generic form in the projection period, based on a list from our pharmacy benefit manager
- Vaccines
- Over the Counter (OTC)
- Compounds
- All other Brands

As shown on Exhibit 3G, each category days supply is trended forward at the same rate of 2.1 percent.

As discussed in the previous section, BCBSVT is working closely with our network providers and OneCare Vermont towards reducing inpatient admissions. It is expected that avoided admissions would be replaced by office visits, labs and prescription drugs. We added the additional generic and brand days supply expected to result from this initiative to the experience days supply, then applied trend to the projection period.

#### Generic Cost Trend

To ensure that the generic cost trend is not skewed by the arrival of new generic drugs, we performed a 24-month regression on monthly Average Wholesale Price (AWP) per days supply on non-new generics only.

Brands that are going generic will be subject to the generic discounts. We do not expect that the AWP for these drugs will significantly change from the experience period due to the lack of

generic competition for the main drugs in this category. We adjusted the price to reflect the different experienced effective discounts between brands and generics.

Exhibit 3E, page 1, shows monthly cost per days supply and the 24 and 36-months regressions. We select the 24-month regression result of 3.5 percent for the generic cost trend.

#### Brand Cost Trend

To ensure that the brand cost trend is not skewed by brands going generic, vaccines, over the counter and compound drugs AWPs, we performed a 24-month regression on monthly AWP cost per days supply on the all other brand category only.

Over the counter drugs are not expected to follow the overall Brand cost trend. Based on historical data, we selected a 0.0 percent cost trend for OTC drugs.

Exhibit 3E, page 2, shows monthly cost per days supply and the 24 and 36-months regressions. We selected the 24-month regression result of 12.3 percent for the brand cost trend.

#### Specialty Drugs

The introduction of certain new specialty drugs requires an adjustment to the trend calculation for specialty drugs. The high cost and variable utilization of the drugs skews the specialty trend, making it lower than we believe is warranted. Other high-cost or high-utilization drugs have also entered the market recently, such as Orkambi, a treatment for cystic fibrosis with an annual cost of almost \$250,000, and PCSK9 inhibitors like Repatha, used to treat high cholesterol in patients with the genetic disease familial hypercholesterolemia (FH). To accurately capture the effect of these new drugs on specialty trend, we removed their claims from the experience to calculate a trend rate to apply to these non-excluded claims. We trended those claims forward at the calculated rate for 24 months, then added back in our projections of claims for the new treatments (Orkambi, Ocrevus, and PCSK9 inhibitors). We used the total restated projected claims to calculate a restated specialty trend.

In previous filings, we excluded hepatitis C claims and added them in discretely based on projected claimants. On January 1, 2018, BCBSVT expanded its prior approval criteria for hepatitis C drugs. Given the change in criteria, the methodology used in previous filings is no longer appropriate for projecting the number of claimants. Due to the difficulty in estimating claimants with the expanded criteria, hepatitis C claims were not excluded from the standard specialty regression in this filing. Given that hepatitis C drug claims are in the entire experience period used to develop the specialty trend, their inclusion does not unduly impact specialty trend.

In July 2015, we renewed our contract with our pharmacy benefit manager ESI and our discount off AWP for specialty drugs increased. We adjusted months prior to July 2017 to reflect the new contract.

For the same reasons stated in the medical trend section, we adjusted each month to reflect aging. Using the array of PMPM claims costs after adjustments, we performed 24-month regressions on monthly and rolling 12 data.

Exhibit 3F, Page 1 shows the calculation of specialty trend both for all specialty drugs and for specialty drugs excluding the new treatments described above. For our regressions, we chose 24

points of 12-month rolling data to capture the most recent history of drug costs. Rolling 12month regressions are more appropriate for specialty drugs because of the low-frequency, highcost nature of these drugs. Removing the large swings in specialty drug spend associated with the new treatments results in a 20.1 percent trend for the remaining specialty drugs.

PCSK9 inhibitors such as Repatha and Praluent are used to treat high cholesterol. BCBSVT's current policy is to approve PCSK9 inhibitors for the treatment of familial hypercholesterolemia (FH), a genetic disease characterized by very high levels of cholesterols in the blood. Current incidence studies suggest that 200 persons per 100,000 lives are diagnosed with FH after failure of one high-dose statin for 60 days. Another indication for these drugs is for patients who have had a heart attack and then failed two different high-dose statins for 60 days. Based on current membership, we project 19 members will use a PCSK9 inhibitor in 2019. With an annual cost of about \$13,975, the projected total is \$0.27 million.

Orkambi is a drug used in the treatment of cystic fibrosis. In particular, it is used to treat a specific mutation of the disease that is found in roughly 50 percent of cystic fibrosis patients. Orkambi is prescribed to patients age 12 and older. In previous filings, we assumed that 50 percent of our members diagnosed with cystic fibrosis who are at least age 12 would take Orkambi. Only six members in the experience period had claims for Orkambi. Given the length of time the drug has been available, we expect we will see no change in utilization. Orkambi has an annual cost of \$253,000, and we project that 6 members will continue to use it. The projected cost for those members is therefore \$1.5 million.

Ocrevus is a drug used in the treatment of multiple sclerosis (MS). We estimate 15 percent of our members currently taking medication for MS would move to Ocrevus. We therefore excluded 15 percent of the average annual cost of MS medications from specialty claims to reflect this shift, and added in the estimated cost of Ocrevus. No adjustment was made to the experience used to develop the non-exclusion specialty trend, since only a proportion of claims are removed.

To calculate the effective trend, we started with the pharmacy claims from the calendar year 2017 and removed the claims for PCSK9 inhibitors, Orkambi and MS medications. We then trended the remaining claims at a 20.1 percent rate for 24 months, added the incremental cost of PCSK9 inhibitors, Orkambi, and Ocreavus for a total restated projected claim amount. Using this method, the restated effective specialty drug trend is 20.3 percent. See Exhibit 3F, Page 3 for details.

### **Overall Pharmacy Trend**

Exhibit 3G summarizes the trends calculates our total allowed pharmacy trend as 13.3 percent. Note that changes in pharmacy contracts are discussed separately in section 3.4.6.

# 3.4.7.3. Vision and Dental Trend Development

### Dental Trend

The pediatric dental benefit was a new benefit provided by BCBSVT in 2014 as part of the Essential Health Benefits (EHB). The allowed PMPM trend has been high and continues to increase as members become more familiar with the benefit.

Calendar Year	РМРМ	Trend
2014	\$1.49	
2015	\$1.65	11.0%
2016	\$1.85	12.1%
2017	\$1.94	4.9%

We blended the 2017 and 2016 increases with a 2:1 ratio. The total projected trend is therefore 7.2 percent. For the purpose of the index rate build up, we split the total projected trend equally between cost and utilization.

### Vision Trend

The pediatric vision benefit was also introduced in 2014 as part of the EHB. Some groups had previous vision coverage but members previously in an individual product did not get vision benefits through BCBSVT. The allowed PMPMs have been very consistent since 2014 and we believe that they will continue to be consistent in the future. The total projected trend for pediatric vision is 0.0 percent.

Calendar Year	РМРМ
2014	\$0.11
2015	\$0.11
2016	\$0.10
2017	\$0.10

# 3.4.7.4. Overall Total Trend

To adjust the Experience Period Index Rate for the trend factors described above, we started with the experience period claims and applied cost and utilization to Medical, Pharmacy, Dental and Vision claims. The resulting factors  $(1+d_1 \text{ and } 1+d_2 \text{ on Exhibit 5})$  are calculated on Exhibit 3H.

# 3.5. <u>Credibility of Experience</u>

BCBSVT's experience period had 819,824 member months and is therefore fully credible.

# 3.6. <u>Credibility manual rate development</u>

Since BCBSVT's experience is fully credible, no manual rate was needed in the development of rates for the experience period claims.

# 3.6.1. Source and Appropriateness of Experience Data Used: Not Applicable

# 3.6.2. Adjustments Made to the Data: Not Applicable

# 3.6.3. Inclusion of Capitation Payments: Not Applicable

### 3.7. <u>Market Adjusted Index Rate</u>

The Market Adjusted Index Rate (line H of Exhibit 5) is \$646.29. This is calculated by adjusting the Projected Index Rate (line F of Exhibit 5, \$662.94) for allowable market-wide modifiers described below.

### 3.7.1. Projected Risk Adjustment Transfer PMPM:

On April 27, 2018, CMS published an Interim Summary Report on Risk Adjustment for the 2017 benefit year<sup>10</sup>. The BCBSVT data included in the report represents claims incurred in 2017 and paid through December 31, 2017. We received information from Lewis & Ellis on May 2, 2018 that MVP's interim submission included four quarters of data, which we have interpreted to mean that the data submissions are consistent between the two carriers. The final 2017 report will include supplemental diagnosis files and will also include the impact of claims runout. We estimated the impact of the BCBSVT supplemental diagnosis file and claims runout by comparing the original CMS-generated Risk Adjustment Transfer Elements Extract (RATEE) file used in the Interim Summary Report to the Plan Liability Risk Score (PLRS) factor within the RATEE report generated on May 1, 2018 by CMS with claims paid and supplemental diagnoses through April 18, 2018. The impact of claims runout and supplemental diagnoses for MVP was estimated based on the relationship of their final PLRS score in the 2016 Final Summary Report relative to the MVP PLRS in the 2016 Interim Summary Report<sup>11</sup>.

A large amount of membership disenrolled from BCBSVT during the 2018 annual enrollment period. Presumably, some portion of these members enrolled in an MVP individual or small group plan. Two adjustments were made to the estimated 2017 risk adjustment transfer to reflect the shift in membership in our projection of the 2018 risk adjustment transfer. We assumed that the members that were in BCBSVT in 2017 and are no longer with BCBSVT in 2018 have migrated to MVP, and will have the same risk scores in 2018 as they experienced in 2017. Also, the state average monthly premium factor was adjusted to reflect the changing market share between the two carriers.

The 2019 risk adjustment assumes that the market-wide PLRS and membership are the same in 2019 as in the adjusted 2018 projection. The 2019 projection assumes the market-wide premium PMPM will increase by a factor of 1.075, the average premium increase across all plans in this filing, which results in a 2019 risk adjustment transfer of \$8.62M or \$13.66 PMPM.

The approach to calculate the projected 2018 transfer was necessarily something of a blunt instrument due to the significant delay in the CMS release of the interim payment report. We did examine a number of more complex methodologies that produced results of a transfer to BCBSVT ranging from \$5.7 million to \$13.6 million. The methodology we selected for the filing produces an estimate near the midpoint of this range, and we therefore believe that the result is reasonable and appropriate.

<sup>&</sup>lt;sup>10</sup> https://www.cms.gov/CCIIO/Programs-and-Initiatives/Premium-Stabilization-Programs/Downloads/Interim-RA-Report-BY2017.pdf

<sup>&</sup>lt;sup>11</sup> Information received from Lewis & Ellis on April 25, 2017 indicated that the MVP data included in the 2016 interim report also included four quarters of data.

Since the Market Adjusted Index Rate is on an allowed claims basis, we adjusted the net projected risk adjustment payment by the average paid to allowed ratio (from Exhibit 6C).

As described in the Final Notice of Benefits and Payment Parameters for 2019 rule, the per capita risk adjustment user fee, used to fund the HHS-risk adjustment program, is \$1.80 per enrollee per year. See 83 Fed. Reg. 16930 (April 17, 2017).

The overall market-wide adjustment (line  $g_1$  of Exhibit 5) for the risk adjustment program is -\$16.65 PMPM as shown on Exhibit 4.

### 3.7.2. Exchange User Fees

BCBSVT does not expect Vermont Health Connect to charge a user fee for 2019.

### 3.8. Plan Adjusted Index Rates

### 3.8.1. Plan Adjustment - Actuarial Value and Cost Sharing adjustment

This plan adjustment, as shown on Exhibit 6A, is informed by two factors:

- Benefit Richness Adjustment
- Paid to Allowed Ratio

The experience used to calculate the benefit richness adjustment and the paid to allowed ratio is our calendar year 2017 data trended to calendar year 2019 using the trend factors described in section 3.4.7. The model re-adjudicates claims by starting with the allowed charges and applying appropriate cost sharing for each service. For plans that have an aggregate deductible, subscribers that had a 2-person or family contract were pooled together to determine the impact of the family deductible and out-of-pocket on the paid to allowed ratio. The model generates the projected average paid claims for each benefit, which is used to calculate a paid to allowed ratio. The model is calibrated to 2017 experience, and is able to reproduce the experience paid to allowed ratio to within 0.1 percent.

### 3.8.1.1. Benefit Richness Adjustment

The Benefit Richness Adjustment is the counterpart of the Change in Benefit projection factor  $(1+c_1 \text{ line on Exhibit 5})$  described in Section 3.4.4. This factor represents the different projected utilization for each plan based solely on benefit design.

For this factor, we summarized the data described above by subscribers within each metal level and re-adjudicated the claims for each plan to calculate a subscriber level paid to allowed ratio. We then applied the HHS Induced Utilization formula ( $IU=AV^2-AV+1.24$ ) to the base paid to allowed ratio.

These factors were normalized using the projected membership to ensure that the total adjustment was 1.000. The plan level adjustment for benefit richness is calculated by applying the benefit richness adjustment by base benefit and applying a factor of 1.000 for non-system claims and market-wide adjustments. See Exhibit 6B for details.

## 3.8.1.2. Paid to Allowed Ratio

To calculate the paid to allowed ratio, we adjusted the starting allowed charges described in the previous section by the benefit richness adjustment and re-adjudicated the benefits for each plan across the entire single risk pool. The paid to allowed ratios include the impact of family deductibles and out of pocket maximums, and reflect the impact of federal Cost Sharing Reductions. They do not reflect the impact of Vermont cost sharing reductions, as this program continues to be funded by Vermont and is not part of the Silver Solution. We then added the additional EHB paid and allowed, and the non-system claims and market-wide adjustment amounts in both paid and allowed. Finally, we calculated the overall expected paid to allowed ratio. Please see details in Exhibit 6C.

In the URRT, the Paid to Allowed Average Factor is the weighted average expected claims cost, including non-EHB benefit and excluding market-wide adjustments (\$537.66) divided by projected allowed charges (\$663.04). As shown in Section 3 of Worksheet 1 of the URRT, the paid to allowed average factor is 81.1 percent.

### **3.8.2. Provider Network, Delivery System and Utilization Management adjustment:** Not Applicable

## 3.8.3. Adjustment for benefits in addition to the EHBs:

As of January 1, 2017, BCBSVT removed an exclusion for routine circumcision. Based on recent information from the American Academy of Pediatrics, there is new evidence that "the health benefits of newborn male circumcision outweigh the risks, but the benefits are not great enough to recommend universal newborn circumcision."<sup>12</sup> On the basis of this evidence, our Medical Directors have recommended that we add coverage for this procedure. Based on the experience period claims and expected trend, we estimate the additional cost to be \$0.10 PMPM of allowed charges. Applying the same paid to allowed ratio to this benefit as to the EHB benefit, we calculate an adjustment of 1.0002, as shown on Exhibit 6A.

## 3.8.4. Impact of specific eligibility categories for the catastrophic plan

This plan adjustment includes two components of the impact of the specific eligibility categories for the catastrophic plan. Both of these adjustments are based on the eligible population. The eligible population includes Vermont residents that are under age 30 and residents age 30 and over who are granted a hardship exemption by Vermont Health Connect. We used our current enrollment in the Catastrophic plan as a proxy for eligibility and adjusted the projected members that would qualify under the hardship rule to account for the increase in premiums. We project that 98.6 percent of the population eligible for this product will be under age 30.

To adjust for the eligible population, we first calculated the adjustment for the impact on the pricing actuarial value of the expected lower allowed charges of the group eligible to enroll in the catastrophic plan. This was calculated by splitting the experience used to calculate the Pricing Actuarial Value into two populations (Under and Over 30) and re-adjudicating for the catastrophic benefit. Using the projected eligible members as weights, we calculated that the overall expected allowed charges are 0.5656 of the total allowed charges. We then adjusted the

<sup>&</sup>lt;sup>12</sup> https://www.aap.org/en-us/about-the-aap/aap-press-room/pages/newborn-male-circumcision.aspx

paid to allowed ratio based on the weighted average paid to allowed ratio from both populations. This factor is 0.9214.

These factors were applied to the EHB portion of the Projected Period Index Rate. Because this adjustment doesn't impact the Non-System claims and Market Wide Adjustment, we calculated the Expected Claims cost and backed into the plan level adjustment for the impact of eligibility.

The total adjustment for the specific eligibility categories for the catastrophic plan is 0.4938. See Exhibit 6D for details.

## 3.8.5. Adjustment for distribution of the administrative costs

### 3.8.5.1. Administrative Expense Load:

BCBSVT Administrative Expense load was not initially calculated as a percent of premium adjustment. This adjustment is the sum of the following fees:

### **BCBSVT Base Administrative Charges**

To develop the Base Administrative Expenses PMPM, we used calendar year 2017 data from both individual and small group members. The starting PMPM for the base administrative charges is \$35.02 PMPM. The single risk pool population is comprised of individuals who can choose to enroll through the Vermont Health Connect (VHC) website or directly with BCBSVT, and small groups that enroll directly with BCBSVT. The experience period base administrative for individuals was \$39.83 PMPM compared to \$31.83 PMPM for members in small groups.

For this filing, we have removed expenses totaling \$0.32 PMPM that were incurred due to onetime, non-recurring events, as these fees are not expected to continue into the projection period.

The remaining charges (\$34.70 PMPM) are projected to 2019 using a 2.5 percent annual trend. This projection factor is intended to make reasonable but modest provision for increases in overall operating costs PMPM. We assume that personnel costs (wages and benefits) will increase by 3 percent annually, the budgeted wage increase for 2018, over the projection period. Other operating costs are assumed to remain flat. We have calculated that 83.5 percent of our administrative costs are for salaries and benefits. We are therefore increasing our projected administrative expenses by the weighted average of 2.5 percent per annum.

Administrative trend calculation		BCBSVT Totals	Percent of Total
Employee costs:	$A = a_1 + a_2$	\$44,807,919	<b>59.2</b> %
Salaries and taxes	a <sub>1</sub>	\$32,968,684	
Benefits	a <sub>2</sub>	\$11,839,235	
Purchased services	В	\$21,959,698	29.0%
Other operating costs	С	\$8,867,317	11.7%
Total Administrative Expenses	D=A+B+C	\$75,634,934	100.0%
BCBSVT Personnel Cost	E = A / (A + C)		83.5%
Projected Personnel Cost Increase	F		3.0%
Projected Administrative Cost Increase	G = (E x (1+F) +	· (1-E)) -1	2.5%

In 2018, BCBSVT experienced a large membership decrease. To calculate the impact of a smaller membership base, we calculated a total enterprise administrative charge PMPM and adjusted by the ratio of 2017 and projected 2019 membership. The latter was estimated as March 2018 enterprise membership less the 1,073 members assumed to drop coverage due to the elimination of the penalty associated with the individual mandate (see section 3.4.2.). We assumed that variable costs represent half of that increase, and therefore applied an increase of 3.4 percent to the base PMPM to account for the reduction in membership.

Calculation of impact of membership losses		Total BCBSVT Enterprise
Total CY 2017 Administrative Expenses	А	\$75,634,934
Total CY 2017 Member Months	В	2,424,372
СҮ 2017 РМРМ	C = A / B	31.20
Projected Member Months	D	2,268,552
Projected PMPM before adjustment for variable cost	E = A / D	\$33.34
Variable Cost PMPM	F = 0.5 x (E-C)	\$1.07
Projected PMPM after adjustment for variable cost	G = C + F	\$32.27
Increase in PMPM due to Membership Losses	H = G / C - 1	3.43%

To calculate the projected based administrative charges, we multiplied the experience PMPM, net of non-recurring expenses, by 2.5 percent for two years for trend and by 3.4 percent for the impact of membership losses.

Projected Administrative Charges Calculation		PMPM
Experience Base Administrative Charges	A	\$35.02
Exclusion of non-recurring expenses	В	(\$0.32)
Trend Projection (2 years)	С	1.0507
Impact of Membership losses	D	1.0343
Projected Base Administrative Charges (Exhibit 7A)	$E = (A-B) \times C \times D$	\$37.72

The projected base administrative charges PMPM of \$37.72 is 6.5 percent of premium.

## Charges for Outside Vendors

• CBA Dental and VSP Vision

These benefits are being administered by third party administrators. The administrative fees are charged for eligible members only. The ratio of eligible members to total members, based on the projected single risk pool split between adult and child, was applied to get the per member per month charge.

• Health Equity

All single risk pool members are eligible for HRA and/or HSA Integration service. For plans with an HSA-compatible benefit design, we offer a service to integrate with the mechanics of depositing monies into and paying for claims out of Health Savings Accounts (HSA). All plans are also eligible for this service with Health Reimbursement Accounts (HRA). To calculate these fees, we used the experience of members that are already enrolled in this program and compared it to all members enrolled in the single risk pool in the first quarter of 2018.

## • Blue Rewards Program

Under this program, BCBSVT will reward members with credits via a debit card for the following wellness activities:

- Completing an online health assessment
- Participate in the workshop or challenge
- Having a physical exam or appropriate screenings
- Having a routine eye or dental exam

Based on participation projection from the Marketing and Product department, we estimate that the cost of this program to be \$6.81 PMPM for Blue Rewards plans only.

The total of all administrative charges outlined in this section is 6.9 percent of premium. The details of the administrative charges are on Exhibit 7A.

## 3.8.5.2. Profit (or Contribution to Reserves) & Risk Margin:

### Contribution to Reserves

As directed by BCBSVT management, the filed rates include a 1.5 percent contribution to reserves (CTR). A contribution to reserves is required in order to maintain an adequate level of surplus. Surplus is a critical consumer protection that is required by the Vermont Department of Financial Regulation. In the event of unforeseen adverse events that may otherwise impact BCBSVT's ability to pay claims, surplus allows subscribers to receive needed care and providers to continue to receive payments.

A memo from BCBSVT senior management regarding the requested level of CTR can be found as Attachment C.

### Other Risk Margin

Under the ACA, enrollees who are receiving Advance Premium Tax Credits (APTC) have a threemonth grace period to pay premiums, while enrollees who are not receiving APTC have a onemonth grace period. For both these populations, the State requires the insurer to pay for claims incurred in the first month of the grace period even if premium is never collected. This uncollected premium is considered bad debt. To ensure that BCBSVT collects enough premium from the total pool to cover the 30-day grace periods, we need to include a risk margin for bad debt. We have added a margin of 0.10 percent, which is both the 4-year average and the actual 2017 amount of uncollected premium due to the grace periods.

Bad Debt	Uncollected Premium	<b>Total Billed Premium</b>	Percent of Billed Premium
2014	\$646,000	\$255,227,839	0.25%
2015	\$800,840	\$334,014,191	0.24%
2016	\$207,098	\$386,247,850	0.05%
2017	\$415,186	\$408,055,901	0.10%
Total	\$2,069,124	\$1,383,545,781	0.10%

Details of Contribution to Reserve and Risk Margin for Bad Debt by product are on Exhibit 7B.

## 3.8.5.3. Taxes and Fees:

The proposed rates include on average 1.2 percent in taxes and fees. These taxes and fees are imposed by both the state and federal government.

### Green Mountain Care Board Billbacks

Based on information provided by the GMCB on April 11, 2018, BCBSVT estimates that the total GMCB billback to BCBSVT for 2019 will be \$1,238,000. Based on 2018 projected premium, the Vermont Individual and Small Group market will be allocated 83.84 percent of the total GMCB billback amount for BCBSVT. We assume that this percentage allocation will remain the same into 2019, leading to a projected 2019 Individual and Small Group billback of \$1,037,939. Using the projected membership of 631,092 member months, the 2019 calendar year PMPM for GMCB billback comes to \$1.92.

### Health Care Claims Tax

The Health Care Claims Tax (HCCT) levied by the State of Vermont totals 0.999 percent of claims. This consists of 0.8 percent of claims for the HCCA tax and 0.199 percent of claims for the VITL assessment.

### Patient-Centered Outcomes Research Institute Fee

This fee is part of the Affordable Care Act and applies to all plan years ended after September 30, 2012 and before October 1, 2019. Therefore, the fee does not apply to this filing.

### Federal Insurer Fee

The Federal Insurer Fee is intended to help pay for some provisions in the Affordable Care Act. This fee is only applicable to fully insured groups. Enacted on January 22, 2018, Section 4003 of Division D of H.R. 195 temporarily suspended the Federal Insurer Fee for 2019 only.

Details of the Taxes and Fees by product are on Exhibit 7C.

### 3.8.6. AV Pricing Values

As described in the 2019 Unified Rate Review Instructions, the AV Pricing Value "represents the cumulative effect of adjustments made by the issuer to move from the Market Adjusted Index Rate to the Plan Adjusted Index Rate". These adjustments are described in detail in preceding parts of Section 3.8. See Exhibit 7D for details by product.

### 3.8.7. Calibration

Age, Tobacco, and Geographic factors are not allowed in Vermont. Therefore no calibration is required.

### 3.8.8. Projected Loss Ratio

The MLR calculation will be performed at the combined market level with a minimum requirement of 80 percent. We project that the overall Loss Ratio, using the federally prescribed MLR methodology for the combined market, will be 91.8 percent. See Exhibit 8 for details.

### 3.9. Consumer Adjusted Premium Rate Development

The Consumer Adjusted Premium rates are displayed on Exhibit 9B. Since rate factors for age, tobacco and geography are not allowed in Vermont, the only adjustment is the application of rating tier factors. Vermont has predetermined the tier factors for plans for Individuals and Small Groups.

We observed that using the same contract conversion factor on all plans does not produce the same total premium when multiplying members and PMPM and when multiplying contracts and rates. This is due to not all plans having the same distribution in each tier and not all plans receiving the same annual rate increase.

To correct this, we are calculating the contract conversion factor in two steps. First, we calculate preliminary rates by tiers by using the simple ratio of average number of members to subscribers to calculate average tier factors for all plans except Catastrophic. We then compare the total premium from multiplying members by PMPM to the premium totaled by multiplying contracts by rates, and adjust the contract conversion factor to ensure that we collect the total required annual premium. We are calculating a contract conversion factor specifically for the catastrophic plan and one for all other plans.

Please see Exhibit 9A for details calculation of the contract conversion factor.

The Consumer Adjusted Premium Rates are shown on Exhibit 9B.

### 3.10. Small Group Plan Premium Rates

All Small Groups must renew on January 1, 2019 according to the combined market rules. BCBSVT will not file small group rates for Q2-Q4 2019.

## 4. ADDITIONAL INFORMATION

### 4.1. <u>Terminated Products</u>

BCBSVT will not be terminating any product prior to January 1, 2019.

### 4.2. Plan Type

Our plan type is EPO.

### 4.3. <u>Warning Alerts</u>

There are no warning alerts in the Unified Rate Review Template.

## 5. <u>RELIANCE AND ACTUARIAL CERTIFICATION</u>

### 5.1. <u>Reliance</u>

For the metallic AV values of the standard plans we relied upon the certification provided by Julie A. Peper, FSA, MAAA, Principal and Senior Consulting Actuary with Wakely Consulting. (Attachment A)

### 5.2. <u>Actuarial Certification</u>

The purpose of this rate filing is to provide the rates and a description of the rate development for the plans that Blue Cross and Blue Shield of Vermont (BCBSVT) is proposing to offer to the Vermont individual and small group market in 2019. These calculations are not intended to be used for any other purpose. This memorandum documents the methodology used to calculate the AV Metal Value for each Qualified Health Plan offered by BCBSVT in 2019, the appropriateness of the essential health benefit portion of premium upon which advanced payment of premium tax

credits (APTCs) are based, that the Index Rate is developed in accordance with federal regulations, and that the Index Rate along with allowable modifiers are used in the development of plan specific premium rates.

I, Paul A. Schultz, am a Fellow of the Society of Actuaries, a Member of the American Academy of Actuaries, meet the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States promulgated by the American Academy of Actuaries, and have the education and experience necessary to perform the work described herein.

In my opinion, the projected Index Rate is in compliance with all applicable State and Federal Statutes and Regulations (including 45 CFR 156.80 and 147.102), has been developed in compliance with the applicable Actuarial Standards of Practice, is reasonable in relation to the benefits provided and the population anticipated to be covered, and is neither excessive nor deficient. The calculations and results are appropriate for the purpose intended.

The Index Rate and only the allowable modifiers as described in 45 CFR 156.80(d)(1) and 45 CFR 156.80(d)(2) were used to generate plan level rates. The percent of total premium that represents essential health benefits included in Worksheet 2, Sections III and IV, was calculated in accordance with actuarial standards of practice.

I have relied upon the certification of AV Metal Value provided by the State for Standard Plans, and attached hereto. Metal AVs for Blue Rewards (Non-Standard) Plans were determined using the AV calculator, or in accordance with the requirements of 45 CFR 156.135(b)(3), as described in the attached actuarial certification.

Data used in this filing were reviewed for reasonableness, but no audit was performed.

The Part I Unified Rate Review Template does not demonstrate the process used by the issuer to develop the rates. Rather, it represents information required by Federal regulation to be provided in support of the review of rate increases, for certification of qualified health plans for federally facilitated exchanges, and for certification that the Index Rate is developed in accordance with Federal regulation, is used consistently, and is only adjusted by the allowable modifiers.

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Paul A. Schultz, F.S.A., M.A.A.A. Chief Actuary Blue Cross and Blue Shield of Vermont May 11, 2018

# BLUE CROSS BLUE SHIELD OF VERMONT 2019 VERMONT INDIVIDUAL AND SMALL GROUP RATE FILING PLAIN LANGUAGE SUMMARY

Blue Cross and Blue Shield of Vermont (BCBSVT) is committed to the health of Vermonters, outstanding member experiences and responsible cost management for all of the people whose lives we touch. By pooling the populations covered by our products, we protect individuals from the unaffordable and potentially ruinous costs associated with significant illnesses or injuries. Our products promote preventive care, health maintenance and health improvement, and we have in place strong care management programs that support members who require medical care and assure that they have access to high value care while avoiding unnecessary costs.

BCBSVT also works with providers to dampen cost increases through reimbursement strategies that include incentives to both provide and properly manage care. BCBSVT's vision is a transformed health care system in which every Vermonter has health care coverage, and receives timely, effective, affordable care. None of this work is possible unless BCBSVT remains financially strong, and that requires that we be allowed to charge rates that cover the cost of the health care of the populations we serve.

The purpose of this rate filing is to provide the rates and a description of the rate development for Vermont individual and small group plans that Blue Cross and Blue Shield of Vermont (BCBSVT) is proposing to offer effective January 1, 2019.

There are 32,570 contracts (53,664 members) currently enrolled in a BCBSVT Individual or Small Group plan impacted by this filing.

BCBSVT collaborated with stakeholders to propose, develop, and implement the Silver Solution, a strategy to offset the federal defunding of the cost-sharing reduction (CSR) program with additional federal advanced premium tax credits and avoid additional premium rate increases on Vermonters.

The average increase for plans other than Silver Level Exchange plans - that is, the average increase that will actually be experienced by Vermont individuals and small businesses - is 5.3 percent.

Increases for specific plans range from 3.5 percent to 6.8 percent, except for the Catastrophic plan, which is increasing by 1.2 percent. Silver Level Exchange plans will increase an average of 16.0 percent, with increases for specific plans ranging from 14.6 percent to 18.9 percent. Across all plans, the average increase is 7.5 percent.

Medical and pharmacy trend continues to be the largest driver of premium increases. Amounts providers are paid, Vermonters' use of services and more expensive services, and utilization of specialty medications and other retail pharmaceuticals all continue to escalate. These combine to drive a rate increase of 7.4 percent.

Two changes at the federal level had a nearly offsetting rate impact. The federal insurer fee was suspended for 2019, leading to a 2.0 percent reduction in 2019 rates. However, recent federal legislation also eliminated the penalty associated with the individual mandate. As a result, it is expected that a number of healthy individuals will choose to forgo coverage and leave the covered population. BCBSVT estimates that this will exert an upward pressure of 2.2 percent on premium rates, which is within the best estimate range of a study commissioned by Vermont regulators.

# BLUE CROSS BLUE SHIELD OF VERMONT 2019 VERMONT INDIVIDUAL AND SMALL GROUP RATE FILING PLAIN LANGUAGE SUMMARY

BCBSVT targets a contribution to reserves (CTR) that allows us to maintain an adequate level of surplus within an established, moderate target range. Surplus is a critical consumer protection that is required by the Vermont Department of Financial Regulation. The Green Mountain Care Board cut CTR in the 2018 filing to 0.5 percent, which is below the level necessary to contribute adequately to surplus. Restoration of CTR to adequate levels increases 2019 premiums by 1.5 percent.

Tax reform legislation passed in late 2017 eliminated federal income tax requirement for the BCBSVT legal entity starting with the 2018 tax year. These savings have been fully passed through to customers via a 1.1 percent reduction in premium.

BCBSVT has embarked on numerous efforts to mitigate premium increases. In addition to passing 100 percent of federal income tax savings to consumers, BCBSVT has continued to work closely with its pharmacy benefit manager to improve network pricing and maximize rebates. These pharmacy initiatives have roughly similar impacts totaling a 2.3 percent decrease in premium. Additionally, BCBSVT is working closely with our network providers and OneCare Vermont to maximize our collaborative clinical reach focusing on reducing the overall medical costs. We expect these efforts to exert a downward pressure of just over one percent on medical utilization trend, driving a 0.8 percent rate reduction.

Altogether, BCBSVT rate mitigation is leading to a reduction of rates of 4.2 percent, or a projected \$15.7 million. The average rate increase of 5.3 percent would have been 9.8 percent in the absence of BCBSVT intervention.

BCBSVT started selling plans in the Vermont Individual and Small Group Merged Market in January 2014. In its first four years, higher-than-expected costs have led to a cumulative loss of \$15 million on this line of business. BCBSVT has not included any additional contribution to member reserves to offset this loss. Neither have we requested a higher contribution to member reserves as recoupment for expected 2018 losses stemming from the federal defunding of the Cost Share Reductions program in late 2017.

BCBSVT understands the importance of adequately funding our health care system to keep it strong and accessible. Since the factors driving this rate increase are almost entirely driven by the cost and utilization of health care in Vermont, we believe that there is no way to further reduce these rates without underfunding the health care coverage on which Vermonters rely.

I HEREBY CERTIFY that I have reviewed the applicable filing requirements for this filing, and, to the best of my knowledge, the filing complies with all applicable statutory and regulatory provisions for the State of Vermont.

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Ruth Greene Vice President, Treasurer & CFO

05/11/2018

Date

A B C D	E	F	G	Н	I J	К	L	М	N O	Р	Q	R	S	τι	V L	х	
Unified Rate Review v4.3																	
Company Legal Name:		Blue Shield of V		VT													
HIOS Issuer ID:	13627		Market:	Combined													
Effective Date of Rate Change(s):	1/1/2019																
Market Level Calculations (Same for all Pl	ans)																
Section I: Experience period data																	
Experience Period:	1/1/2017	to	12/31/2017														
		Experience Period															
		Aggregate Amount	<u>PMPM</u>	% of Prem													
Premiums (net of MLR Rebate) in Experie	nce Period:	\$408,055,901	\$497.74	100.00%													
Incurred Claims in Experience Period Allowed Claims:		\$372,089,227 \$456,109,835	453.86 556.35	91.19% 111.78%													
Index Rate of Experience Period		-9450,105,855	\$556.27	111./0%													
Experience Period Member Months		819,824	,														
Section II: Allowed Claims, PMPM basis																	
		Experience	Period						12/31/2019	Mi	d-point to Mid	l-point, Experie	nce to Projection:	24 r	nonths	-	
	Adj't.         from Experience to         Annualized Trend           on Actual Experience Allowed         Projection Period         Factors         Projections, before credibility Adjustment         Credibility Manual																
	Utilization	Utilization per	Average		Pop'l risk				Utilization per	Average		Utilization	Average				
Benefit Category	Description	1,000	Cost/Service	PMPM	Morbidity	Other	Cost	Util	1,000	Cost/Service	PMPM	per 1,000	Cost/Service	PMPM			
Inpatient Hospital	Admits	52.72	\$21,793.61	\$95.74	1.031	1.000	1.027	1.021	56.69	\$22,968.50	\$108.51	0.00	\$0.00	\$0.00			
Outpatient Hospital	Services	3,755.32	698.05	218.45	1.031	1.000	1.027	1.021	4,038.45	735.85	247.64	0.00	0.00	0.00			
Professional Other Medical	Visits Visits	9,877.97 1,548.33	149.29 171.25	122.89 22.10	1.031 1.031	0.997 1.000	1.027 1.027	1.021 1.023	10,622.72 1,671.08	156.86 180.66	138.85 25.16	0.00	0.00 0.00	0.00 0.00			
Capitation	Benefit Period	17,803.04	5.50	8.15	1.031	0.625	1.027	1.023	19,145.30	3.62	5.78	0.00	0.00	0.00			
Prescription Drug	Prescriptions	14,578.96	73.28	89.03	1.031	1.147	1.110	1.028	15,880.86	103.60	137.10	0.00	0.00	0.00			
Total				\$556.35							\$663.04			\$0.00			
															After Credibility		
Section III: Projected Experience:				Projected Allowed	•		,				100.00%			0.00%	\$663.04		38,956
					Paid to Allow	-	-								0.811 \$537.66		12 007
					Projected Inc Projected Ris			eili & Kisk Au	jt, pivipivi						3537.00 <u>13.51</u>	\$339,3	26,053
					-	-		nsurance rec	overies, net of rein pr	em, PMPM					\$524.15		86,754
										-					0.00		<u>0</u>
					Projected AC	A reinsurance										\$330.7	
				Projected Incurred	-	A reinsurance	,.								\$524.15	Ş550,7	86,754
				Projected Incurred Administrative Exp	Claims	A reinsurance	,							6.93%	\$524.15 40.27		86,754 13,686
				,	Claims	A reinsurance	,							6.93% 1.60%		25,4	
				Administrative Exp	Claims	A reinsurance	,								40.27	25,4 5,8	13,686
				Administrative Exp Profit & Risk Load Taxes & Fees Single Risk Pool Gro	Claims ense Load oss Premium Avg									1.60%	40.27 9.30 <u>7.23</u> \$580.94	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 62,986
				Administrative Exp Profit & Risk Load Taxes & Fees	Claims ense Load oss Premium Avg ection Period	g. Rate, PMPM								1.60%	40.27 9.30 <u>7.23</u> \$580.94 \$662.94	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 62,986
				Administrative Exp Profit & Risk Load Taxes & Fees Single Risk Pool Gro	Claims ense Load oss Premium Avg ection Period % increase ov	g. Rate, PMPM Per Experience								1.60%	40.27 9.30 <u>7.23</u> \$580.94 \$662.94 16.72%	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 62,986
				Administrative Exp Profit & Risk Load Taxes & Fees Single Risk Pool Gro	Claims ense Load oss Premium Avg ection Period % increase ov % Increase, au	g. Rate, PMPM Per Experience								1.60%	40.27 9.30 <u>7.23</u> \$580.94 \$662.94	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 62,986
				Profit & Risk Load Taxes & Fees Single Risk Pool Gri Index Rate for Proj	Claims ense Load oss Premium Avg ection Period % increase ov % Increase, au	g. Rate, PMPM Per Experience							I	1.60%	40.27 9.30 <u>7.23</u> \$580.94 \$662.94 16.72%	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 <u>62,986</u> 29,499
				Profit & Risk Load Taxes & Fees Single Risk Pool Gri Index Rate for Proj	Claims ense Load oss Premium Avg ection Period % increase ov % Increase, au	g. Rate, PMPM Per Experience							I	1.60%	40.27 9.30 <u>7.23</u> \$580.94 \$662.94 16.72%	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 <u>62,986</u> 29,499
Information Not Releasable to the P		<b>ized by Law:</b> This info d to persons not auti	prmation has no	Administrative Exp Profit & Risk Load Taxes & Fees Single Risk Pool Gri Index Rate for Proj Projected Member	Claims ense Load oss Premium Avg ection Period % increase ov % Increase, a Months	g. Rate, PMPM rer Experience nnualized: y be privileged	Period				st not be		I	1.60%	40.27 9.30 <u>7.23</u> \$580.94 \$662.94 16.72%	25,4 5,8 <u>4,5</u> \$366,6	13,686 66,072 <u>62,986</u> 29,499

#### Product-Plan Data Collection

HIOS Iss	suer ID:	Blue Cross and Blue Shield of Vermont 13627	State: Market:	VT Combined
Effective	e Date of Rate Change(s):	1/1/2019		

roduct/Plan Level Calculations

Section I: General Product and Plan Information																			
Product			BCBSVT EPO (	Small Group)			BCBSV	T EPO CDHP (Small	Group)			BC	BSVT EPO (Individu	al)			BCBS	VT EPO CDHP (Indiv	vidual)
Product ID:			13627	VT032				13627VT033					13627VT034					13627VT035	
Metal:	Platinum	Gold	Silver	Silver	Bronze	Bronze	Silver	Silver	Bronze	Catastrophic	Platinum	Gold	Silver	Silver	Bronze	Bronze	Silver	Silver	Bronze
AV Metal Value	0.901	0.820	0.719	0.719	0.613	0.630	0.703	0.703	0.607	0.570	0.901	0.820	0.719	0.719	0.613	0.630	0.703	0.703	0.607
AV Pricing Value	1.110	0.950	0.894	0.802	0.699	0.721	0.904	0.825	0.715	0.385	1.110	0.950	0.894	0.802	0.699	0.721	0.904	0.825	0.715
Plan Category	Renewing	Renewing	Renewing	New	Renewing	Renewing	Renewing	New	Renewing	Renewing	Renewing	Renewing	Renewing	New	Renewing	Renewing	Renewing	New	Renewing
Plan Type:	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO
								BCBSVT Silver		BCBSVT Blue								BCBSVT Silver	
Plan Name	BCBSVT Platinum		BCBSVT Silver	BCBSVT Silver	BCBSVT Bronze	BCBSVT Bronze	BCBSVT Silver	Reflective CDHP	BCBSVT Bronze	Rewards	<b>BCBSVT Platinum</b>		BCBSVT Silver	BCBSVT Silver	BCBSVT Bronze	BCBSVT Bronze	BCBSVT Silver	Reflective CDHP	BCBSVT Bronze
	Plan	BCBSVT Gold Plan	Plan	Reflective Plan	Plan	Plan Integrated	CDHP Plan	Plan	CDHP Plan	Catastrophic Plan	Plan	BCBSVT Gold Plan	Plan	Reflective Plan	Plan	Plan Integrated	CDHP Plan	Plan	CDHP Plan
Plan ID (Standard Component ID):	13627VT0320001	13627VT0320002	13627VT0320003	13627VT0320006	13627VT0320004	13627VT0320005	13627VT0330001	13627VT0330003	13627VT0330002	13627VT0340001	13627VT0340002	13627VT0340003	13627VT0340004	13627VT0340007	13627VT0340005	13627VT0340006	13627VT0350001	13627VT0350003	13627VT0350002
Exchange Plan?	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Historical Rate Increase - Calendar Year - 2			4.8					6.91%					4.38%					7.06%	
Historical Rate Increase - Calendar Year - 1			5.8					9.58%					6.67%					9.69%	
Historical Rate Increase - Calendar Year 0			8.9					10.92%					8.35%					10.88%	
Effective Date of Proposed Rates	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019
Rate Change % (over prior filing)	6.82%	4.70%	15.33%	3.52%	3.66%	4.53%	14.56%	4.56%	5.13%	1.25%	6.82%	4.70%	15.33%	3.52%	3.66%	4.53%	14.56%	4.56%	
Cum'tive Rate Change % (over 12 mos prior)	6.82%	4.70%	15.33%	3.52%	3.66%	4.53%	14.56%	4.56%	5.13%	1.25%	6.82%	4.70%	15.33%	3.52%	3.66%	4.53%	14.56%	4.56%	5.13%
Proj'd Per Rate Change % (over Exper. Period)	15.98%	13.10%	23.17%	#DIV/0!	13.85%	#DIV/0!	25.87%	#DIV/0!	15.84%	15.13%	15.98%	13.10%	23.17%	#DIV/0!	13.85%	#DIV/0!	25.87%	#DIV/0!	15.84%
Product Rate Increase %			5.9	8%				5.12%					10.54%					12.15%	

Section II: Components of Premium Increase (PMPM Dollar Amount above Current Average Rate PMPM)

Plan ID (Standard Component ID):	Total	13627VT0320001					13627VT0320005	13627VT0330001		13627VT0330002	13627VT0340001		13627VT0340003	13627VT0340004	13627VT0340007	13627VT0340005				13627VT0350002
Inpatient	\$11.16	\$10.78	\$7.63	\$15.24	\$0.00	\$5.35	\$6.06	\$14.86	\$0.00	\$6.42	\$2.40	\$10.78	\$7.63	\$15.24	\$0.00	\$5.35	\$6.06	\$14.86	\$0.00	\$6.42
Outpatient	\$25.48	\$24.59	\$17.42	\$34.78	\$0.00	\$12.21	\$13.84	\$33.91	\$0.00	\$14.65	\$5.47	\$24.59	\$17.42	\$34.78	\$0.00	\$12.21	\$13.84	\$33.91	\$0.00	\$14.65
Professional	\$14.28	\$13.79	\$9.77	\$19.50	\$0.00	\$6.85	\$7.76	\$19.01	\$0.00	\$8.22	\$3.07	\$13.79	\$9.77	\$19.50	\$0.00	\$6.85	\$7.76	\$19.01	\$0.00	\$8.22
Prescription Drug	\$14.11	\$13.62	\$9.65	\$19.26	\$0.00	\$6.76	\$7.66	\$18.77	\$0.00	\$8.11	\$3.03	\$13.62	\$9.65	\$19.26	\$0.00	\$6.76	\$7.66	\$18.77	\$0.00	\$8.11
Other	\$2.59	\$2.50	\$1.77	\$3.53	\$0.00	\$1.24	\$1.41	\$3.45	\$0.00	\$1.49	\$0.56	\$2.50	\$1.77	\$3.53	\$0.00	\$1.24	\$1.41	\$3.45	\$0.00	\$1.49
Capitation	\$0.59	\$0.57	\$0.41	\$0.81	\$0.00	\$0.28	\$0.32	\$0.79	\$0.00	\$0.34	\$0.13	\$0.57	\$0.41	\$0.81	\$0.00	\$0.28	\$0.32	\$0.79	\$0.00	\$0.34
Administration	\$4.02	\$3.11	\$3.12	\$3.11	\$0.00	\$3.14	\$3.09	\$3.18	\$0.00	\$3.09	\$6.72	\$3.11	\$3.12	\$3.11	\$0.00	\$3.14	\$3.09	\$3.18	\$0.00	\$3.09
Taxes & Fees	-\$26.31	-\$29.76	-\$27.75	-\$25.06	\$0.00	-\$23.97	-\$24.19	-\$25.33	\$0.00	-\$24.00	-\$19.17	-\$29.76	-\$27.75	-\$25.06	\$0.00	-\$23.97	-\$24.19	-\$25.33	\$0.00	-\$24.00
Risk & Profit Charge	\$5.68		\$5.72	\$5.74	\$0.00	\$4.18	\$4.33	\$5.78	\$0.00	\$4.32	\$2.27	\$6.78	\$5.72	\$5.74	\$0.00	\$4.18	\$4.33	\$5.78	\$0.00	\$4.32
Total Rate Increase	\$51.60	\$45.97	\$27.73	\$76.91	\$0.00	\$16.04	\$20.29	\$74.42	\$0.00	\$22.63	\$4.48	\$45.97	\$27.73	\$76.91	\$0.00	\$16.04	\$20.29	\$74.42	\$0.00	\$22.63
Member Cost Share Increase	\$2.20	\$15.00	\$24.20	-\$26.99	\$174.01	\$33.74	\$207.89	-\$21.49	\$163.32	\$28.48	\$29.60	\$15.00	\$24.20	-\$26.99	\$174.01	\$33.74	\$207.89	-\$21.49	\$163.32	\$28.48
Average Current Rate PMPM	\$434.72	\$671.15	\$586.56	\$500.75	\$0.00	\$435.81	\$445.59	\$510.09	\$0.00	\$439.34	\$244.08	\$671.15	\$586.56	\$500.75	\$0.00	\$435.81	\$445.59	\$510.09	\$0.00	\$439.34
Projected Member Months	631,092	91,116	50,640	0	51,072	10,116	3,972	0	28,176	10,044	3,168	32,028	19,392	77,484	16,668	9,048	1,848	20,340	7,224	8,100

#### Section III: Experience Period Information

Warning Alert	Wsht 1 Total	Plan ID (Standard Component ID):	Total					13627VT0320004			13627VT0330003		13627VT0340001							13627VT0350001		
		Plan Adjusted Index Rate	\$497.85	\$618.31	\$543.16	\$469.00	\$0.00	\$396.90	\$0.00	\$464.40	\$0.00	\$398.81	\$215.90	\$618.31	\$543.16	\$469.00	\$0.00	\$396.90	\$0.00	\$464.40	\$0.00	\$398.81
OK	819,824	B Member Months	819,824	114,798	63,472	80,867	0	18,571	0	52,064	0	31,404	2,704	37,936	23,887	120,683	0	15,256	0	38,352	0	14,975
OK	\$408,055,901	E Total Premium (TP)	\$408,150,101	\$70,980,751	\$34,475,452	\$37,926,623	\$0	\$7,370,830	\$0	\$24,178,522	\$0	\$12,524,229	\$583,794	\$23,456,208	\$12,974,463	\$56,600,327	\$0	\$6,055,106	\$0	\$17,810,669	\$0	\$5,972,180
		per la companya de la																				
		EHB Percent of TP, [see instructions]	99.97%	99.98%	99.98%	99.97%	0.00%	99.97%	0.00%	99.97%	0.00%	99.97%	99.94%	99.98%	99.98%	99.97%	0.00%	99.97%	0.00%	99.97%	0.00%	99.97%
		state mandated benefits portion of TP that are																				
		e other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Other benefits portion of TP	0.03%	0.02%	0.02%	0.03%	100.00%	0.03%	100.00%	0.03%	100.00%	0.03%	0.06%	0.02%	0.02%	0.03%	100.00%	0.03%	100.00%	0.03%	100.00%	0.03%
OK	\$456,109,835	Total Allowed Claims (TAC)	\$456,109,835	\$80,937,421	\$34,187,240	\$31,764,433	\$0	\$9,858,351	\$0	\$19,963,259	\$0	\$9,265,624	\$344,305	\$45,616,885	\$15,525,285	\$72,494,727	\$0	\$4,984,789	\$0	\$20,606,270	\$0	\$4,394,517
		EHB Percent of TAC, [see instructions]	99.97%	99.98%	99.98%	99.97%	0.00%	99.97%	0.00%	99.97%	0.00%	99.97%	99.94%	99.98%	99.98%	99.97%	0.00%	99.97%	0.00%	99.97%	0.00%	99.97%
		5 state mandated benefits portion of TAC that are																				
		to other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Other benefits portion of TAC	0.03%	0.02%	0.02%	0.03%	100.00%	0.03%	100.00%	0.03%	100.00%	0.03%	0.06%	0.02%	0.02%	0.03%	100.00%	0.03%	100.00%	0.03%	100.00%	0.03%
		Allowed Claims which are not the issuer's																				
		g obligation:	\$84,020,607	\$5,779,107	\$5,124,173	\$8,228,592	\$0	\$2,315,675	\$0	\$5,366,815	\$0	\$3,426,707	\$174,659	\$2,730,583	\$2,453,899	\$17,436,648	\$0	\$1,646,659	\$0	\$4,995,668	\$0	\$1,648,355
		Portion of above payable by HHS's funds on behalf of insured person in dollars	\$8,747,843	50	\$0	50	50	\$0	\$0	\$0	50	\$0	\$0	50	50	\$5.943.784	50	50	\$0	\$1,179,104	50	50
		Portion of above pavable by HHS on behalf of	30,747,043	~~	υÇ	ŰÇ.	20	20	70	20	~	~	20	20	~	33,343,704	JU	20	~	54,21 5,204		~~
		insured person as %	10.41%	0.00%	0.00%	0.00%	#DIV/0!	0.00%	#DIV/01	0.00%	#DIV/01	0.00%	0.00%	0.00%	0.00%	34.09%	#DIV/01	0.00%	#DIV/01	23.60%	#DIV/01	0.00%
OK	\$372.089.227	Total Incurred claims, payable with issuer funds	\$372.089.227	\$75,158,314	\$29.063.066	\$23,535,841	SO	\$7.542.675	SO	\$14,596,444	SO	\$5,838,918	\$169,646	\$42,886,302	\$13.071.386	\$55.058.079	SO	\$3,338,130	50	\$15,610,601	SO	\$2,746,162
		Net Amt of Rein	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Risk Adjustment Transfer Amount	\$5,899,498,87	\$14,933,097,98	-\$1.072.300.00	-\$8,908,492.01	\$0.00	-\$\$71,485,33	\$0.00	·\$6.530.848.93	\$0.00	-\$4,765,775,94	-\$14.286.60	\$21,677,257,12	\$1.050.122.45	\$2,086,144,45	\$0.00	-\$1.648.146.02	\$0.00	-\$777.771.05	\$0.00	-\$2,132,672,21
OK	\$ 453.86	Incurred Claims PMPM	\$453.86	\$654.70	\$457.89	\$291.04	#DIV/0!	\$406.15	#DIV/01	\$280.36	#DIV/0!	\$185.93	\$62.74	\$1,130.49	\$547.22	\$456.22	#DIV/0!	\$218.81	#DIV/0!	\$407.03	#DIV/0!	\$183.38
OK	\$ 556.35	Allowed Claims PMPM	\$556.35	\$705.04	\$538.62	\$392.80	#DIV/0!	\$530.85	#DIV/01	\$383.44	#DIV/0!	\$295.05	\$127.33	\$1,202.47	\$649.95	\$600.70	#DIV/01	\$326.74	#DIV/0!	\$537.29	#DIV/0!	\$293.46
		EHB portion of Allowed Claims, PMPM	\$556.21	\$704.89	\$538.49	\$392.69	#DIV/0!	\$530.67	#DIV/01	\$383.33	#DIV/0!	\$294.95	\$127.26	\$1,202.22	\$649.79	\$600.54	#DIV/0!	\$326.64	#DIV/0!	\$537.14	#DIV/0!	\$293.36

#### Section IV: Projected (12 months following effective date)

Warning Alert	Wsht 1 Total		Total						13627VT0320005				13627VT0340001					13627VT0340005	13627VT0340006			3627VT0350002
		c Plan Adjusted Index Rate	\$580.86	\$717.12	\$614.29	\$577.67	\$518.52	\$451.86	\$465.87	\$584.52	\$533.50	\$461.98	\$248.56		\$614.29	\$577.67	\$518.52	\$451.86	\$465.87	\$584.52	\$533.50	\$461.98
OK	631,092	율 Member Months	631,092	91,116	50,640		51,072	10,116	3,972	-	28,176	10,044			19,392	77,484	16,668	9,048	1,848	20,340	7,224	8,100
OK	\$366,629,499	E Total Premium (TP)	\$366,573,054	\$65,340,858	\$31,107,622	\$0	\$26,481,628	\$4,570,988	\$1,850,447	\$0	\$15,031,831	\$4,640,121	\$787,448	\$22,967,832	\$11,912,303	\$44,759,927	\$8,642,618	\$4,088,404	\$860,933	\$11,889,115	\$3,853,987	\$3,742,033
		ę																				
		EHB Percent of TP, [see instructions]	99.98%	99.98%	99.98%	99.98%	99.97%	99.97%	99.97%	99.98%	99.98%	99.97%	99.95%	99.98%	99.98%	99.98%	99.97%	99.97%	99.97%	99.98%	99.98%	99.97%
		state mandated benefits portion of TP that are																				
		other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		C Other benefits portion of TP	0.02%	0.02%	0.02%	0.02%	0.03%	0.03%	0.03%	0.02%	0.02%	0.03%	0.05%	0.02%	0.02%	0.02%	0.03%	0.03%	0.03%	0.02%	0.02%	0.03%
OK	418,438,956	Total Allowed Claims (TAC)	\$418,438,956	\$60,413,512	\$33,576,323	\$0	\$33,862,756	\$6,707,308	\$2,633,593	\$0	\$18,681,802	\$6,659,569	\$2,100,509	\$21,235,831	\$12,857,663	\$51,374,956	\$11,051,543	\$5,999,182	\$1,225,297	\$13,486,224	\$4,789,798	\$5,370,620
		EHB Percent of TAC, [see instructions]	99.98%	99.98%	99.98%	100.00%	99.98%	99.98%	99.98%	100.00%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%
		state mandated benefits portion of TAC that are																				
		other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Cther benefits portion of TAC	0.02%	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
		2																				
		Allowed Claims which are not the issuer's obligation	\$84,768,108	\$5,754,348	\$5,942,682	\$0	\$8,886,857	\$2,195,684	\$825,754	\$0	\$4,601,766	\$2,101,541	\$368,598	\$2,022,699	\$2,275,681	\$9,025,183	\$2,900,339	\$1,963,874	\$384,188	\$2,315,078	\$1,179,840	\$1,694,791
		Portion of above payable by HHS's funds on																				
		behalf of insured person, in dollars	\$6,944,218	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,048,436	\$0	\$0	\$0	\$933,057	\$0	\$0
		Portion of above payable by HHS on behalf of																				
		insured person, as %	8.19%	0.00%	0.00%	#DIV/0!	0.00%	0.00%	0.00%	#DIV/0!	0.00%	0.00%	0.00%	0.00%	0.00%	44.86%	0.00%	0.00%	0.00%	40.30%	0.00%	0.00%
		Total Incurred claims, payable with issuer funds	\$333,670,848	\$54,659,163	\$27,633,640	\$0	\$24,975,899	\$4,511,624	\$1,807,839	\$0	\$14,080,036	\$4,558,028	\$1,731,912	\$19,213,131	\$10,581,982	\$42,349,774	\$8,151,204	\$4,035,308	\$841,109	\$11,171,146	\$3,609,958	\$3,675,829
#DIV/0!		Net Amt of Rein	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Risk Adjustment Transfer Amount	\$8,794,436	\$9,051,661	-\$456,206	\$0	-\$5,711,365	-\$919,686	-\$361,111	\$0	-\$3,150,913	-\$913,141	-\$91,159	\$17,941,583	\$1,931,074	\$623,988	\$134,229	-\$1,680,358	-\$343,203	\$163,801	\$58,176	-\$1,504,299
		Incurred Claims PMPM	\$528.72	\$599.89	\$545.69	#DIV/0!	\$489.03	\$445.99	\$455.15	#DIV/0!	\$499.72	\$453.81			\$545.69	\$546.56	\$489.03	\$445.99	\$455.15	\$549.22	\$499.72	\$453.81
OK	\$ 663.04	Allowed Claims PMPM	\$663.04	\$663.04	\$663.04	#DIV/0!	\$663.04	\$663.04	\$663.04	#DIV/0!	\$663.04	\$663.04			\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04
		EHB portion of Allowed Claims, PMPM	\$662.91	\$662.91	\$662.91	#DIV/0!	\$662.91	\$662.91	\$662.91	#DIV/0!	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91

#### Product-Plan Data Collection

# Company Legal Name: HIOS Issuer ID: Effective Date of Rate Change(s):

#### ct/Plan Level Calculations

Section I: General Product and Plan Information																	
Product		8	BCBSVT EPO Blue Re	wards (Small Group	2)	BCB	SVT EPO CDHP Blue	Rewards (Small Gr	oup)		BCBSVT EPO Blue R	ewards (Individual)		BCI	BSVT EPO CDHP Blu	e Rewards (Individu	ual)
Product ID:	1		13627	VT036			1362	VT037			13627	VT038			13627	VT039	
Metal:		Gold	Silver	Silver	Bronze	Gold	Silver	Silver	Bronze	Gold	Silver	Silver	Bronze	Gold	Silver	Silver	Bronze
AV Metal Value		0.761	0.685	0.685	0.612	0.761	0.718	0.718	0.620	0.761	0.685	0.685	0.612	0.761	0.718	0.718	0.620
AV Pricing Value		0.927	0.902	0.801	0.703	0.882	0.888	0.798	0.710	0.927	0.902	0.801	0.703	0.882	0.888	0.798	0.710
Plan Category		Renewing	Renewing	New	Renewing	Renewing	New	New	Renewing	Renewing	Renewing	New	Renewing	Renewing	New	New	Renewing
Plan Type:		EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO	EPO
		BCBSVT Blue	BCBSVT Blue	BCBSVT Blue		BCBSVT Blue	BCBSVT Blue	Rewards Silver	BCBSVT Blue	BCBSVT Blue	BCBSVT Blue	BCBSVT Blue		BCBSVT Blue	BCBSVT Blue	Rewards Silver	BCBSVT Blue
Plan Name		Rewards Gold	Rewards Silver	Rewards Silver	Blue Rewards	Rewards Gold	Rewards Silver	CDHP Reflective	<b>Rewards Bronze</b>	Rewards Gold	Rewards Silver	Rewards Silver	Blue Rewards	Rewards Gold	Rewards Silver	CDHP Reflective	Rewards Bronze
		Plan	Plan	Reflective Plan	Bronze Plan	CDHP Plan	CDHP Plan	Plan	CDHP Plan	Plan	Plan	Reflective Plan	Bronze Plan	CDHP Plan	CDHP Plan	Plan	CDHP Plan
Plan ID (Standard Component ID):		13627VT0360001	13627VT0360002	13627VT0360004	13627VT0360003	13627VT0370001	13627VT0370002	13627VT0370004	13627VT0370003	13627VT0380001	13627VT0380002	13627VT0380004	13627VT0380003	13627VT0390001	13627VT0390002	13627VT0390004	13627VT0390003
Exchange Plan?		Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Historical Rate Increase - Calendar Year - 2			8.0	16%			1.3	'0%			8.5	1%			6.3	8%	
Historical Rate Increase - Calendar Year - 1				3%			9.3				9.0	8%			9.1	2%	
Historical Rate Increase - Calendar Year 0				12%			9.9	12%			8.4				10.3		
Effective Date of Proposed Rates		1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019
Rate Change % (over prior filing)		5.91%	18.87%	5.48%	5.03%	5.10%	0.00%	8.42%	6.07%	5.91%	18.87%	5.48%	5.03%	5.10%	0.00%	8.42%	6.07%
Cum'tive Rate Change % (over 12 mos prior)		5.91%	18.87%	5.48%	5.03%	5.10%	0.00%	8.42%	6.07%	5.91%	18.87%	5.48%	5.03%	5.10%	0.00%	8.42%	6.07%
Proj'd Per Rate Change % (over Exper. Period)		14.27%	27.77%	#DIV/0!	#DIV/0!	14.43%	#DIV/01	#DIV/0!	16.31%	14.27%	27.77%	#DIV/0!	#DIV/0!	14.43%	#DIV/0!	#DIV/0!	16.31%
Product Rate Increase %			5.é	6%			5.1	3%			15.	13%			5.5	4%	-

Section II: Components of Premium Increase (PMPM Dollar Amount at

Plan ID (Standard Component ID):	Total	13627VT0360001	13627VT0360002	13627VT0360004	13627VT0360003	13627VT0370001	13627VT0370002	13627VT0370004	13627VT0370003	13627VT0380001	13627VT0380002	13627VT0380004	13627VT0380003	13627VT0390001	13627VT0390002	13627VT0390004	13627VT0390003
Inpatient	\$11.16	\$7.92	\$17.15	\$0.00	\$5.69	\$6.94	\$18.05	\$0.00	\$6.43	\$7.92	\$17.15	\$0.00	\$5.69	\$6.94	\$18.05	\$0.00	\$6.43
Outpatient	\$25.48	\$18.08	\$39.14	\$0.00	\$12.99	\$15.83	\$41.19	\$0.00	\$14.68	\$18.08	\$39.14	\$0.00	\$12.99	\$15.83	\$41.19	\$0.00	\$14.68
Professional	\$14.28	\$10.14	\$21.94	\$0.00	\$7.28	\$8.88	\$23.10	\$0.00	\$8.23	\$10.14	\$21.94	\$0.00	\$7.28	\$8.88	\$23.10	\$0.00	\$8.23
Prescription Drug	\$14.11	\$10.01	\$21.67	\$0.00	\$7.19	\$8.76	\$22.81	\$0.00	\$8.13	\$10.01	\$21.67	\$0.00	\$7.19	\$8.76	\$22.81	\$0.00	\$8.13
Other	\$2.59	\$1.84	\$3.98	\$0.00	\$1.32	\$1.61	\$4.18	\$0.00	\$1.49	\$1.84	\$3.98	\$0.00	\$1.32	\$1.61	\$4.18	\$0.00	\$1.49
Capitation	\$0.59	\$0.42	\$0.91	\$0.00	\$0.30	\$0.37	\$0.96	\$0.00	\$0.34	\$0.42	\$0.91	\$0.00	\$0.30	\$0.37	\$0.96	\$0.00	\$0.34
Administration	\$4.02	\$6.71	\$6.72	\$0.00	\$6.72	\$6.69	\$6.48	\$0.00	\$6.56	\$6.71	\$6.72	\$0.00	\$6.72	\$6.69	\$6.48	\$0.00	\$6.56
Taxes & Fees	-\$26.31	-\$27.19	-\$24.68	\$0.00	-\$23.87	-\$26.64	-\$24.23	\$0.00	-\$23.82	-\$27.19	-\$24.68	\$0.00	-\$23.87	-\$26.64	-\$24.23	\$0.00	-\$23.82
Risk & Profit Charge	\$5.68		\$5.90	\$0.00	\$4.24	\$5.32	\$5.85	\$0.00	\$4.31	\$5.63	\$5.90	\$0.00	\$4.24	\$5.32	\$5.85	\$0.00	\$4.31
Total Rate Increase	\$51.60	\$33.55	\$92.73	\$0.00	\$21.87	\$27.76	\$98.39	\$0.00	\$26.35	\$33.55	\$92.73	\$0.00	\$21.87	\$27.76	\$98.39	\$0.00	\$26.35
Member Cost Share Increase	\$2.20	\$23.53	-\$37.10	\$178.10	\$33.22	\$26.41	-\$37.77	\$178.52	\$29.03	\$23.53	-\$37.10	\$178.10	\$33.22	\$26.41	-\$37.77	\$178.52	\$29.03
Average Current Rate PMPM	\$434.72	\$565.53	\$490.52	\$0.00	\$432.70	\$542.12	\$475.62	\$0.00	\$432.51	\$565.53	\$490.52	\$0.00	\$432.70	\$542.12	\$475.62	\$0.00	\$432.51
Projected Member Months	631,092	8,904	0	6,312	4,440	66,492	0	18,204	14,148	5,064	26,544	3,456	2,736	11,496	8,208	2,088	12,564

Section III: Experience Period Information
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Warning Alert	Wsht 1 Total	Plan ID (Standard Component ID):	Total	13627VT0360001								13627VT0380001		13627VT0380004		13627VT0390001	13627VT0390002		
		Plan Adjusted Index Rate	\$497.85	\$524.26	\$456.48	\$0.00	\$0.00	\$498.01	\$0.00	\$0.00	\$394.51	\$524.26	\$456.48	\$0.00	\$0.00	\$498.01	\$0.00	\$0.00	\$394.51
OK	819,824	E Member Months	819,824	12,918	10,328	0	0	92,913	0	0	16,164	6,074	40,043	0	0	11,801	0	0	14,614
OK	\$408,055,901	E Total Premium (TP)	\$408,150,101	\$6,772,391	\$4,714,525	\$0	\$0	\$46,271,603	\$0	\$0	\$6,376,860	\$3,184,355	\$18,278,829	\$0	\$0	\$5,877,016	\$0	\$0	\$5,765,369
		ę.																	
		EHB Percent of TP, [see instructions]	99.97%	99.98%	99.97%	0.00%	0.00%	99.97%	0.00%	0.00%	99.97%	99.98%	99.97%	0.00%	0.00%	99.97%	0.00%	0.00%	99.97%
		state mandated benefits portion of TP that are																	
		other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Other benefits portion of TP	0.03%	0.02%	0.03%	100.00%	100.00%	0.03%	100.00%	100.00%	0.03%	0.02%	0.03%	100.00%	100.00%	0.03%	100.00%	100.00%	0.03%
OK	\$456,109,835	Total Allowed Claims (TAC)	\$456,109,835	\$5,292,892	\$3,258,186	\$0	\$0	\$54,418,570	\$0	\$0	\$6,754,709	\$3,811,492	\$18,262,365	\$0	\$0	\$10,647,332	\$0	\$0	\$3,721,184
		EHB Percent of TAC, [see instructions]	99.97%	99.98%	99.97%	0.00%	0.00%	99.97%	0.00%	0.00%	99.97%	99.98%	99.97%	0.00%	0.00%	99.97%	0.00%	0.00%	99.97%
		5 state mandated benefits portion of TAC that are																	
		other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Other benefits portion of TAC	0.03%	0.02%	0.03%	100.00%	100.00%	0.03%	100.00%	100.00%	0.03%	0.02%	0.03%	100.00%	100.00%	0.03%	100.00%	100.00%	0.03%
		Allowed Claims which are not the issuer's																	
		g obligation:	\$84,020,607	\$1,042,930	\$998,194	\$0	\$0	\$10,080,390	\$0	\$0	\$2,359,945	\$628,293	\$4,535,122	\$0	\$0	\$1,494,088	\$0	\$0	\$1,554,104
		Portion of above payable by HHS's funds on behalf of insured person, in dollars	\$8,747,843	4.0	40		so						\$1.624.955	40		40		40	
		Portion of above pavable by HHS on behalf of	\$8,747,843	20	ŞU	ŞU	ŞU	\$U	ŞU	\$0	ŞU	20	\$1,624,955	ŞU	ŞU	ŞU	\$0	ŞU	90
		insured person, as %	10.41%	0.00%	0.00%	#DIV/0!	#DIV/0!	0.00%	#DIV/01	#DIV/01	0.00%	0.00%	35.83%	#DIV/0!	#DIV/01	0.00%	#DIV/01	#DIV/0!	0.00%
OK	\$372.089.227	Total Incurred claims, pavable with issuer funds	\$372.089.227	\$4,249,961	\$2,259,992	\$0.50 SO	S0	\$44,338,180	\$0	\$0	\$4,394,763	\$3,183,199	\$13,727,243	S0	solution So	\$9.153.244	\$0	\$0,070.	\$2.167.081
			00.0,000,000	4.12.101002	12,200,002			4.100001202		<b>*</b> *	4.925.9.00	40/200/200	<i>v</i> =0 <i>j</i> , =, <i>j</i> = .0			00,000,000	<b>*</b> *	44	44/101/001
		Net Amt of Rein	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Bisk Adjustment Transfer Amount	\$5,899,498,87	-\$1,411,007,56	-\$1.269.117.74	\$0.00			\$0.00	\$0.00	-\$304.054.20		-\$4,056,121,48	\$0.00	\$0.00		\$0.00		
			45,655,156.61		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	44.00			44.44	40.00		421,002.20	4 1/000/000 10	40.00		4.444.44			44,101,010
OK	\$ 453.86	Incurred Claims PMPM	\$453.86	\$329.00	\$218.82	#DIV/0!	#DIV/0!	\$477.20	#DIV/01	#DIV/0!	\$271.89	\$524.07	\$342.81	#DIV/0!	#DIV/0!	\$775.63	#DIV/01	#DIV/0!	\$148.29
OK	\$ 556.35	Allowed Claims PMPM	\$556.35	\$409.73	\$315.47	#DIV/0!	#DIV/0!	\$585.69	#DIV/01	#DIV/0!	\$417.89	\$627.51	\$456.07	#DIV/0!	#DIV/0!	\$902.24	#DIV/01	#DIV/0!	\$254.63
		EHB portion of Allowed Claims, PMPM	\$556.21	\$409.63	\$315.38	#DIV/0!	#DIV/01	\$585.54	#DIV/01	#DIV/0!	\$417.75		\$455.94	#DIV/0!	#DIV/0!	\$902.00	#DIV/01	#DIV/0!	\$254.55
						1													

#### Section IV: Projected (12 months following effective date)

i		F 1																	
Warning Alert	Wsht 1 Total		Total													13627VT0390001			
		Plan Adjusted Index Rate	\$580.86	\$599.08	\$583.24	\$517.50	\$454.57	\$569.88	\$574.01	\$515.79	\$458.86		\$583.24	\$517.50	\$454.57	\$569.88	\$574.01	\$515.79	\$458.86
OK	631,092	율 Member Months	631,092	8,904		6,312	4,440	66,492		18,204	14,148	5,064	26,544	3,456	2,736	11,496	8,208	2,088	12,564
OK	\$366,629,499	E Total Premium (TP)	\$366,573,054	\$5,334,236	\$0	\$3,266,449	\$2,018,277	\$37,892,205	\$0	\$9,389,385	\$6,492,008	\$3,033,757	\$15,481,561	\$1,788,474	\$1,243,695	\$6,551,296	\$4,711,488	\$1,076,963	\$5,765,167
		EHB Percent of TP, [see instructions]	99.98%	99.98%	99.98%	99.97%	99.97%	99.98%	99.98%	99.97%	99.97%	99.98%	99.98%	99.97%	99.97%	99.98%	99.98%	99.97%	99.97%
		state mandated benefits portion of TP that are other than EHB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Conter than criss	0.02%	0.02%		0.03%	0.03%	0.02%		0.03%	0.03%	0.02%	0.02%	0.03%	0.03%	0.02%	0.02%	0.03%	0.03%
OK	418.438.956	Total Allowed Claims (TAC)	\$418,438,956	\$5,903,704		\$4.185.106	\$2,943,896	\$44,086,826	\$0.02	\$12.069.972	\$9 380 684		\$17,599,722	\$2,291,465	\$1.814.076	\$7.622.303	\$5,442,229	\$1,384,427	\$8,330,429
UN	410,430,230	Total Albited Califia (TAC)	3410,430,530	\$3,303,104		\$4,103,100	72,743,030	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ŶŬ	312,003,372	\$3,300,004	عدد در در در	321,333,722	72,271,403	\$1,014,070	57,022,005	\$3,44£,££3	J1,709,927	<i>40,330,423</i>
		EHB Percent of TAC, [see instructions]	99.98%	99.98%	100.00%	99.98%	99.98%	99.98%	100.00%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%	99.98%
		state mandated benefits portion of TAC that are					0.00%	0.000				0.000	0.00%			0.00%			
		other than EHB	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%	0.00%	0.00%	0.0011	0.00%	0.00%		0.00%	0.00%	0.00%
		Other benefits portion of TAC	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
		Allowed Claims which are not the issuer's obligation	\$84,768,108	\$1,171,128	\$0	\$1,124,190	\$983,961	\$9,981,102	\$0	\$3,249,781	\$3,071,521	\$666,059	\$3,030,950	\$615,526	\$606,333	\$1,725,662	\$1,002,604	\$372,750	\$2,727,636
		Portion of above payable by HHS's funds on																	
		behalf of insured person, in dollars	\$6,944,218	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,547,023	\$0	\$0	\$0	\$415,702	\$0	\$0
		Portion of above payable by HHS on behalf of insured person, as %	8.19%	0.00%	#DIV/0!	0.00%	0.00%	0.00%	#DIV/01	0.00%	0.00%	0.00%	51 04%	0.00%	0.00%	0.00%	41.46%	0.00%	0.00%
		insureu person, as %	8.15%	0.00%	#019/01	0.00%	0.00%	0.00%	#010/01	0.00%	0.00%	0.00%	51.04%	0.00%	0.00%	0.00%	41.40%	0.00%	0.00%
		Total Incurred claims, payable with issuer funds	\$333,670,848	\$4,732,576	\$0	\$3,060,916	\$1,959,934	\$34,105,724	\$0	\$8,820,191	\$6,309,162	\$2,691,573	\$14,568,772	\$1,675,939	\$1,207,743	\$5,896,640	\$4,439,624	\$1,011,677	\$5,602,793
#DIV/0!		Net Amt of Rein	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Risk Adjustment Transfer Amount	\$8,794,436	-\$80,214	\$0	-\$705,869	-\$403,658	-\$599,013	\$0	-\$2,035,747	-\$1,286,252	\$504,278	\$213,762	\$27,832	-\$508,119	\$1,144,783	\$66,100	\$16,815	-\$2,333,335
		Incurred Claims PMPM	\$528.72	\$531.51	#DIV/0!	\$484.94	\$441.43	\$512.93	#DIV/01	\$484.52	\$445.94	\$531.51	\$548.85	\$484.94	\$441.43	\$512.93	\$540.89	\$484.52	\$445.94
OK	\$ 663.04	Allowed Claims PMPM	\$663.04	\$663.04	#DIV/0!	\$663.04	\$663.04	\$663.04	#DIV/01	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04	\$663.04
		EHB portion of Allowed Claims, PMPM	\$662.91	\$662.91	#DIV/0!	\$662.91	\$662.91	\$662.91	#DIV/0!	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91	\$662.91

#### STATE OF VERMONT STANDARD PLAN DESIGNS

	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	SILVER REFLECTIVE	SILVER REFLECTIVE
	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Deductible/OOP Max	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Deductible	CDHP
Medical Ded	\$350	\$850	\$2,800	\$1,550	\$5,500	\$5,250	\$7,600	\$2,800	\$1,550
Rx Ded	\$0	\$100	\$300	Combined	\$900	Combined	Combined	\$300	Combined
Integrated Ded	No	No	No	Yes	No	Yes	Yes	No	Yes
Medical OOPM	\$1,350	\$4,700	\$7,500	\$6,650	\$7,900	\$6,650	\$7,600	\$7,500	\$6,650
Rx OOPM	\$1,350	\$1,350	\$1,350	\$1,350	\$1,350	\$1,350	Combined	\$1,350	\$1,350
Integrated OOPM	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Family Deductible / OOP	Stacked, 2x Family	Stacked, 2x Family	Stacked, 2x Family	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Stacked, 2x Family	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Stacked, 2x Family	Stacked, 2x Family	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900
Medical Deductible waived for:	Preventive Care, Office Visits, Urgent Care, Ambulance, Pediatric Dental Class I, Vision	Preventive Care, Office Visits, Urgent Care, Ambulance, Pediatric Dental Class I, Vision	Preventive Care, Office Visits, Urgent Care, Ambulance, Pediatric Dental Class I, Vision	Preventive Care	Preventive Care, Pediatric Dental Class I	Preventive Care	Preventive Care, Office Visits, Pediatric Dental Class I	Preventive Care, Office Visits, Urgent Care, Ambulance, Pediatric Dental Class I, Vision	Preventive Care
Drug Deductible waived for:	N/A	Generic Scripts	Generic Scripts	Wellness Scripts	N/A	Wellness Scripts	Generic Scripts	Generic Scripts	Wellness Scripts
Service Category			· · · · · ·		•				
Preventive	\$0	\$0	\$0	0%	\$0	0%	0%	\$0	0%
PCP Office Visit	\$10	\$15	\$30	10%	\$35	50%	\$40	\$30	10%
MH/SA Office Visit	\$10	\$15	\$30	10%	\$35	50%	\$40	\$30	10%
Specialist Office Visit	\$30	\$30	\$75	30%	\$90	50%	\$100	\$75	30%
Urgent Care	\$40	\$40	\$85	30%	\$100	50%	0%	\$85	30%
Ambulance	\$50	\$50	\$100	30%	\$100	50%	0%	\$105	35%
DME	10%	30%	40%	30%	50%	50%	0%	40%	30%
ER	\$100	\$150	\$250	30%	50%	50%	0%	\$250	30%
Radiology (MRI, CT, PET)	10%	30%	40%	30%	50%	50%	0%	40%	30%
Outpatient	10%	30%	40%	30%	50%	50%	0%	40%	30%
Inpatient	10%	30%	40%	30%	50%	50%	0%	40%	30%
Rx Generic	\$5	\$10	\$15	\$10	\$20	\$12	\$25	\$15	\$10
Rx Preferred Brand	\$50	\$50	\$60	\$40	\$85	40%	0%	\$60	\$40
Rx Non-Preferred Brand	50%	50%	50%	50%	60%	60%	0%	50%	50%
Pediatric Vision (Exam and Materials)	\$30	\$30	\$75	30%	\$90	50%	\$100	\$75	30%
Pediatric Dental Class I	0%	0%	0%	0%	0%	0%	0%	0%	0%
Pediatric Dental Class II	30%	30%	30%	30%	30%	30%	30%	30%	30%
Pediatric Dental Class III	50%	50%	50%	50%	50%	50%	50%	50%	50%

#### BLUE REWARDS (NON-STANDARD) PLAN DESIGNS

	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	CATASTROPHIC	SILVER REFLECTIVE	SILVER REFLECTIVE
	Blue Rewards	Blue Rewards	Blue Rewards	Blue Rewards	Blue Rewards	Blue Rewards	Blue Rewards	Blue Rewards	Blue Rewards
Deductible/OOP Max	3-6-9	CDHP	3-6-9	CDHP	3-6-9	CDHP	Deductible	3-6-9	CDHP
Medical Ded	\$1,550	\$3,000	\$2,850	\$4,100	\$7,900	\$6,650	\$7,900	\$2,850	\$4,125
Rx Ded	Combined	Combined	Combined	Combined	Combined	Combined	Combined	Combined	Combined
Integrated Ded	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Medical OOPM	\$5,150	\$3,000	\$7,900	\$4,100	\$7,900	\$6,650	\$7,900	\$7,900	\$4,125
Rx OOPM	\$1,350	\$1,350	\$1,350	\$1,350	Combined	Combined	\$1,350	\$1,350	\$1,350
Integrated OOPM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Family Deductible / OOP	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900
Medical Deductible waived for:	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care	Preventive Care, 3 PCP/MH Office Visits	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care
Drug Deductible waived for:	N/A	Wellness Scripts	N/A	Wellness Scripts	N/A	Wellness Scripts	N/A	N/A	Wellness Scripts
Service Category			-						
Preventive	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCP Office Visit	3 visits per member combined PCP/MH at no	0%	3 visits per member combined PCP/MH at no	0%	3 visits per member combined PCP/MH at no	0%	3 visits per member combined PCP/MH at no cost share before	3 visits per member combined PCP/MH at no	0%
MH/SA Office Visit	cost share before deductible then \$20 copay	0%	cost share before deductible then \$30 copay	0%	cost share before deductible then \$30 copay	0%	deductible then 0% coinsurance	cost share before deductible then \$30 copay	0%
Specialist Office Visit	\$30	0%	\$50	0%	\$0	0%	0%	\$50	0%
Urgent Care	\$30	0%	\$50	0%	\$0	0%	0%	\$50	0%
Ambulance	\$30	0%	\$50	0%	\$0	0%	0%	\$55	0%
DME	\$30	0%	\$50	0%	\$0	0%	0%	\$50	0%
ER	\$250	0%	\$450	0%	\$0	0%	0%	\$450	0%
Radiology (MRI, CT, PET)	\$750	0%	\$1,750	0%	\$0	0%	0%	\$1,750	0%
Outpatient	\$750	0%	\$1,750	0%	\$0	0%	0%	\$1,750	0%
Inpatient	\$750	0%	\$1,750	0%	\$0	0%	0%	\$1,750	0%
Rx Generic	\$5	\$5	\$5	\$15	\$0	\$25	0%	\$5	\$15
Rx Preferred Brand	40%	40%	40%	40%	0%	40%	0%	40%	40%
Rx Non-Preferred Brand	60%	60%	60%	60%	0%	60%	0%	60%	60%
Pediatric Vision (Exam and Materials)	\$30	0%	\$50	0%	\$0	0%	0%	\$50	0%
Pediatric Dental Class I	0%	0%	0%	0%	0%	0%	0%	0%	0%
Pediatric Dental Class II	30%	0%	30%	0%	30%	0%	0%	30%	0%
Pediatric Dental Class III	50%	0%	50%	0%	50%	0%	0%	50%	0%

### MEMBERSHIP BY PLAN AND MARKET

Inforce Membership by Plan	Individual Market	Small Group Market	TOTAL
Blue Rewards Gold	442	742	1,184
Blue Rewards Gold CDHP	1,073	5,833	6,906
Blue Rewards Silver	2,828	598	3,426
Blue Rewards Bronze	171	118	289
Blue Rewards Bronze CDHP	1,105	939	2,044
Standard Platinum	2,776	7,593	10,369
Standard Gold	1,696	4,220	5,916
Standard Silver	8,499	5,007	13,506
Standard Silver CDHP	2,522	2,762	5,284
Standard Bronze	975	1,203	2,178
Standard Bronze CDHP	927	1,197	2,124
Standard Bronze Integrated	83	91	174
Catastrophic	264	0	264
Total	23,361	30,303	53,664

Projected Membership by Plan	Individual Market	Small Group Market	TOTAL
Blue Rewards Gold	422	742	1,164
Blue Rewards Gold CDHP	958	5,541	6,499
Blue Rewards Silver	2,212	0	2,212
Blue Rewards Silver CDHP	684	0	684
Blue Rewards Bronze	228	370	598
Blue Rewards Bronze CDHP	1,047	1,179	2,226
Standard Platinum	2,669	7,593	10,262
Standard Gold	1,616	4,220	5,836
Standard Silver	6,457	0	6,457
Standard Silver CDHP	1,695	0	1,695
Standard Bronze	754	843	1,597
Standard Bronze CDHP	675	837	1,512
Standard Bronze Integrated	154	331	485
Catastrophic	264	0	264
Blue Rewards Silver - Reflective	288	526	814
Blue Rewards Silver CDHP - Reflective	174	1,517	1,691
Standard Silver - Reflective	1,389	4,256	5,645
Standard Silver CDHP - Reflective	602	2,348	2,950
Total	22,288	30,303	52,591

### ADJUSTMENT FOR IMPACT OF THE HEALTH STATUS OF NEWLY INSURED

Coverage Category in the Experience	Continuing Membership	New Membership	Total Projected Membership	CY 2017 Allowed PMPM
Individual Non-Subsidized - Directly Enrolled with BCBSVT	5,008	381	5,389	\$635.39
Individual Non-Subsidized - Enrolled through VHC	3,342	359	3,701	\$635.19
Individual Subsidized - Enrolled through VHC	13,303	968	14,271	\$616.15
Small Group with 50 or less employees	23,812	1,607	25,419	\$518.04
Small Group with 51-100 employees	4,607	277	4,884	\$555.52
Total	50,072	3,592	53,664	,
Weighted Average of Continuing Membership				\$567.11
Weighted Average of Projected Membership				\$567.40
Impact of Newly Insured (Line 1+b3 on Exhibit 5) = \$567.4 / \$567.11				1.0005

## IMPACT OF BENEFIT CHANGES

Metal	Allowed Charge PMPM	PMPM for Claims in Excess of \$500,000	Capped Allowed Charges PMPM	Allowed Charged PMPM with Average PMPM for Claims in Excess of \$500,000
Platinum	\$841.63	\$6.59	\$835.04	\$838.75
Gold	\$593.10	\$4.68	\$588.42	\$592.14
Silver	\$487.91	\$2.90	\$485.01	\$488.73
Bronze	\$350.36	\$0.54	\$349.82	\$353.54
Catastrophic	\$125.77	\$0.00	\$125.77	\$129.49
Total	\$564.06	\$3.72	\$560.35	\$564.06

Metal	Allowed Charges Relativity	Calendar Year 2017 Member Months	March 2018 Membership	2019 Projected Membership
Platinum	1.4870	152,734	10,369	10,262
Gold	1.0498	211,065	14,006	13,499
Silver	0.8664	342,337	22,216	22,148
Bronze	0.6268	110,984	6,809	6,418
Catastrophic	0.2296	2,704	264	264
Total		819,824	53,664	52,591
Weighted Average Allow	wed Charge Relativity	0.9947	1.0006	1.0021
Deve Cit Adiantes est (A	-4 E hihit E)	10.00.47		4 0075

Benefit Adjustment (1+c1 on Exhibit 5) = 1.0021/0.9947 =

1.0075

#### IMPACT OF SELECTION

			NON-STAN	DARD PLANS					5	TANDARD PLAN	NS				REFLECTIVE PLANS				
	GOLD Blue Rewards	GOLD Blue Rewards	SILVER Blue Rewards	SILVER Blue Rewards	BRONZE Blue Rewards	BRONZE Blue Rewards	PLATINUM Deductible	GOLD Deductible	SILVER Deductible	SILVER CDHP	BRONZE Deductible	BRONZE CDHP	BRONZE Integrated	Catastrophic Blue Rewards	SILVER Blue Rewards	SILVER Blue Rewards	SILVER Deductible	SILVER CDHP	Weighted Average
		CDHP		CDHP		CDHP										CDHP			
Projected Paid Claims																			
Using HHS Induced Utilization Factors																			
Projected FFS Allowed Charges - Without Selection	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	
Benefit Richness Adjustment	1.0127	0.9977	0.9643	0.9626	0.9383	0.9376	1.0925	1.0239	0.9696	0.9754	0.9376	0.9405	0.9442	0.9383	0.9643	0.9622	0.9696	0.9754	
Pricing Actuarial Value	82.23%	79.19%	84.00%	82.74%	66.45%	67.14%	92.81%	84.48%	83.74%	84.24%	67.15%	68.50%	68.84%	66.45%	74.12%	74.00%	74.90%	76.68%	
For Catastrophic Plan only - Impact of the specific eligibility	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5212	1.0000	1.0000	1.0000	1.0000	
Projected Paid Claims	\$552.38	\$524.06	\$537.33	\$528.31	\$413.62	\$417.61	\$672.61	\$573.80	\$538.62	\$545.09	\$417.62	\$427.35	\$431.14	\$215.56	\$474.12	\$472.33	\$481.75	\$496.15	\$539.55
Projected Paid Claims																			
Using BCBSVT Actual Utilization Factors																			
Projected FFS Allowed Charges - Without Selection	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	\$663.35	
Benefit Richness Adjustment	1.0475	1.0475	0.8646	0.8646	0.6254	0.6254	1.4838	1.0475	0.8646	0.8646	0.6254	0.6254	0.6254	0.2291	0.8646	0.8646	0.8646	0.8646	
Pricing Actuarial Value	82.21%	79.58%	83.12%	81.37%	65.31%	65.06%	93.58%	84.04%	83.03%	83.16%	65.03%	66.06%	67.25%	65.31%	70.95%	70.07%	72.51%	73.73%	
Projected Paid Claims	\$571.26	\$553.02	\$476.71	\$466.68	\$270.97	\$269.91	\$921.06	\$583.94	\$476.23	\$476.94	\$269.81	\$274.07	\$279.00	\$99.25	\$406.89	\$401.87	\$415.84	\$422.88	\$546.70
Selection Impact													line 1	1+c6 on Exhibit 5			line 1+	c6 on Exhibit 5	1.0132
Projected Membership	1,164	6,499	2,212	684	598	2,226	10,262	5,836	6,457	1,695	1,597	1,512	485	264	814	1,691	5,645	2,950	52,591

### MEDICAL TREND DEVELOPMENT ILLUSTRATION OF CONTRACT NORMALIZATION

	Contract	Normalization	Experience	Normalized
Month	Increase	Factor	Claims	Claims
Jan-15		1.1249	\$1,000,000	\$1,124,864
Feb-15		1.1249	\$1,000,000	\$1,124,864
Mar-15		1.1249	\$1,000,000	\$1,124,864
Apr-15		1.1249	\$1,000,000	\$1,124,864
May-15		1.1249	\$1,000,000	\$1,124,864
Jun-15		1.1249	\$1,000,000	\$1,124,864
Jul-15		1.1249	\$1,000,000	\$1,124,864
Aug-15		1.1249	\$1,000,000	\$1,124,864
Sep-15		1.1249	\$1,000,000	\$1,124,864
Oct-15	1.0400	1.0816	\$1,000,000	\$1,081,600
Nov-15		1.0816	\$1,000,000	\$1,081,600
Dec-15		1.0816	\$1,000,000	\$1,081,600
Jan-16		1.0816	\$1,000,000	\$1,081,600
Feb-16		1.0816	\$1,000,000	\$1,081,600
Mar-16		1.0816	\$1,000,000	\$1,081,600
Apr-16		1.0816	\$1,000,000	\$1,081,600
May-16		1.0816	\$1,000,000	\$1,081,600
Jun-16		1.0816	\$1,000,000	\$1,081,600
Jul-16		1.0816	\$1,000,000	\$1,081,600
Aug-16		1.0816	\$1,000,000	\$1,081,600
Sep-16		1.0816	\$1,000,000	\$1,081,600
Oct-16	1.0400	1.0400	\$1,000,000	\$1,040,000
Nov-16		1.0400	\$1,000,000	\$1,040,000
Dec-16		1.0400	\$1,000,000	\$1,040,000
Jan-17		1.0400	\$1,000,000	\$1,040,000
Feb-17		1.0400	\$1,000,000	\$1,040,000
Mar-17		1.0400	\$1,000,000	\$1,040,000
Apr-17		1.0400	\$1,000,000	\$1,040,000
May-17		1.0400	\$1,000,000	\$1,040,000
Jun-17		1.0400	\$1,000,000	\$1,040,000
Jul-17		1.0400	\$1,000,000	\$1,040,000
Aug-17		1.0400	\$1,000,000	\$1,040,000
Sep-17		1.0400	\$1,000,000	\$1,040,000
Oct-17	1.0400	1.0000	\$1,000,000	\$1,000,000
Nov-17		1.0000	\$1,000,000	\$1,000,000
Dec-17		1.0000	\$1,000,000	\$1,000,000

MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

				Original Cla	iims				Adjusted Cla	ims - Normalized	for Contract Cha	inges	
Month	Membership	Facility	Professional	Total	Facility PMPM	Profesional PMPM	Total PMPM	Facility	Professional	Total	Facility PMPM	Profesional PMPM	Total PMPM
Jan-15	68,167	\$19,507,865	\$9,124,108	\$28,631,974	\$286,18	\$133.85	\$420.03	\$21,479,434	\$9,297,413	\$30,776,847	\$315.10	\$136.39	\$451,49
Feb-15	68,581	\$16,870,919	\$8,205,192	\$25,076,111	\$246.00	\$119.64	\$365.64	\$18,642,170	\$8,363,938	\$27,006,108	\$271.83	\$121.96	\$393.78
Mar-15	69,902	\$19,880,944	\$9,657,751	\$29,538,695	\$284,41	\$138.16	\$422.57	\$21,940,741	\$9,853,680	\$31,794,422	\$313.88	\$140.96	\$454.84
Apr-15	70,062	\$19,979,041	\$9,618,612	\$29,597,653	\$285.16	\$137.29	\$422.45	\$22,027,831	\$9,810,486	\$31,838,317	\$314.40	\$140.03	\$454.43
May-15	69,425	\$18,544,439	\$9,165,272	\$27,709,710	\$267.11	\$132.02	\$399.13	\$20,414,023	\$9,331,876	\$29,745,898	\$294.04	\$134.42	\$428.46
Jun-15	69,428	\$20,321,141	\$9,613,214	\$29,934,355	\$292.69	\$138.46	\$431.16	\$22,420,103	\$9,770,063	\$32,190,166	\$322.93	\$140.72	\$463.65
Jul-15	68,915	\$19,967,107	\$9,436,000	\$29,403,107	\$289.74	\$136.92	\$426.66	\$21,904,620	\$9,582,756	\$31,487,376	\$317.85	\$139.05	\$456.90
Aug-15	68,414	\$17,898,355	\$8,498,291	\$26,396,646	\$261.62	\$124.22	\$385.84	\$19,597,840	\$8,630,968	\$28,228,808	\$286.46	\$126.16	\$412.62
Sep-15	68,104	\$20,270,421	\$9,252,567	\$29,522,988	\$297.64	\$135.86	\$433.50	\$22,218,055	\$9,386,288	\$31,604,343	\$326.24	\$137.82	\$464.06
Oct-15	68,048	\$19,765,718	\$9,667,522	\$29,433,239	\$290.47	\$142.07	\$432.54	\$21,512,539	\$9,806,024	\$31,318,562	\$316.14	\$144.10	\$460.24
Nov-15	67,698	\$20,003,871	\$9,163,414	\$29,167,285	\$295.49	\$135.36	\$430.84	\$21,717,685	\$9,287,545	\$31,005,229	\$320.80	\$137.19	\$457.99
Dec-15	67,672	\$20,015,700	\$9,731,576	\$29,747,276	\$295.78	\$143.81	\$439.58	\$21,688,932	\$9,848,649	\$31,537,582	\$320.50	\$145.54	\$466.04
Jan-16	69,453	\$20,163,269	\$9,318,218	\$29,481,487	\$290.32	\$134.17	\$424.48	\$21,309,223	\$9,423,176	\$30,732,399	\$306.82	\$135.68	\$442.49
Feb-16	69,976	\$20,750,743	\$9,275,027	\$30,025,770	\$296.54	\$132.55	\$429.09	\$21,932,043	\$9,310,092	\$31,242,135	\$313.42	\$133.05	\$446.47
Mar-16	70,523	\$22,254,766	\$10,617,738	\$32,872,505	\$315.57	\$150.56	\$466.12	\$23,522,268	\$10,646,763	\$34,169,031	\$333.54	\$150.97	\$484.51
Apr-16	70,450	\$19,521,863	\$9,198,683	\$28,720,546	\$277.10	\$130.57	\$407.67	\$20,623,570	\$9,225,442	\$29,849,011	\$292.74	\$130.95	\$423.69
May-16	70,471	\$19,467,870	\$9,653,820	\$29,121,690	\$276.25	\$136.99	\$413.24	\$20,606,552	\$9,676,609	\$30,283,161	\$292.41	\$137.31	\$429.73
Jun-16	70,607	\$21,489,648	\$10,020,303	\$31,509,951	\$304.36	\$141.92	\$446.27	\$22,728,689	\$10,041,046	\$32,769,735	\$321.90	\$142.21	\$464.11
Jul-16	70,821	\$20,260,650	\$8,960,684	\$29,221,334	\$286.08	\$126.53	\$412.61	\$21,397,627	\$8,962,949	\$30,360,576	\$302.14	\$126.56	\$428.69
Aug-16	70,910	\$21,733,044	\$10,132,253	\$31,865,297	\$306.49	\$142.89	\$449.38	\$22,936,757	\$10,142,776	\$33,079,533	\$323.46	\$143.04	\$466.50
Sep-16	71,037	\$22,156,553	\$10,185,398	\$32,341,951	\$311.90	\$143.38	\$455.28	\$23,376,661	\$10,190,482	\$33,567,143	\$329.08	\$143.45	\$472.53
Oct-16	71,211	\$21,065,430	\$10,307,392	\$31,372,823	\$295.82	\$144.74	\$440.56	\$22,052,826	\$10,315,727	\$32,368,553	\$309.68	\$144.86	\$454.54
Nov-16	71,283	\$22,884,571	\$10,897,037	\$33,781,608	\$321.04	\$152.87	\$473.91	\$23,952,831	\$10,884,023	\$34,836,854	\$336.02	\$152.69	\$488.71
Dec-16	71,339	\$23,652,117	\$10,810,601	\$34,462,717	\$331.55	\$151.54	\$483.08	\$24,750,620	\$10,798,237	\$35,548,857	\$346.94	\$151.37	\$498.31
Jan-17	69,561	\$21,890,208	\$10,399,903	\$32,290,112	\$314.69	\$149.51	\$464.20	\$22,419,428	\$10,568,197	\$32,987,625	\$322.30	\$151.93	\$474.23
Feb-17	69,874	\$20,188,505	\$9,255,300	\$29,443,805	\$288.93	\$132.46	\$421.38	\$20,699,274	\$9,320,473	\$30,019,747	\$296.24	\$133.39	\$429.63
Mar-17	69,644	\$22,169,461	\$10,586,728	\$32,756,189	\$318.33	\$152.01	\$470.34	\$22,722,893	\$10,656,463	\$33,379,355	\$326.27	\$153.01	\$479.29
Apr-17	69,292	\$19,248,376	\$9,234,178	\$28,482,553	\$277.79	\$133.26	\$411.05	\$19,720,513	\$9,291,496	\$29,012,009	\$284.60	\$134.09	\$418.69
May-17	68,904	\$21,958,142	\$10,615,663	\$32,573,804	\$318.68	\$154.06	\$472.74	\$22,482,843	\$10,678,239	\$33,161,082	\$326.29	\$154.97	\$481.26
Jun-17	68,586	\$21,356,230	\$10,006,985	\$31,363,215	\$311.38	\$145.90	\$457.28	\$21,824,825	\$10,061,431	\$31,886,256	\$318.21	\$146.70	\$464.91
Jul-17	68,259	\$20,801,219	\$9,101,126	\$29,902,345	\$304.74	\$133.33	\$438.07	\$21,137,726	\$9,117,993	\$30,255,719	\$309.67	\$133.58	\$443.25
Aug-17	67,932	\$21,168,922	\$9,984,715	\$31,153,636	\$311.62	\$146.98	\$458.60	\$21,526,639	\$9,998,969	\$31,525,608	\$316.89	\$147.19	\$464.08
Sep-17	67,540	\$20,881,218	\$9,514,931	\$30,396,149	\$309.17	\$140.88	\$450.05	\$21,196,010	\$9,525,059	\$30,721,069	\$313.83	\$141.03	\$454.86
Oct-17	67,184	\$23,836,304	\$10,859,211	\$34,695,514	\$354.79	\$161.63	\$516.43	\$23,858,585	\$10,867,257	\$34,725,842	\$355.12	\$161.75	\$516.88
Nov-17	66,853	\$21,893,003	\$10,485,137	\$32,378,140	\$327.48	\$156.84	\$484.32	\$21,903,511	\$10,489,064	\$32,392,575	\$327.64	\$156.90	\$484.53
Dec-17	66,195	\$21,992,911	\$9,678,847	\$31,671,759	\$332.24	\$146.22	\$478.46	\$21,992,911	\$9,678,847	\$31,671,759	\$332.24	\$146.22	\$478.46
CY 2015	824,416	\$233,025,521	\$111,133,519	\$344,159,039	\$282.66	\$134.80	\$417.46	\$255,563,972	\$112,969,686	\$368,533,658	\$309.99	\$137.03	\$447.02
CY 2016	848,081	\$255,400,525	\$119,377,154	\$374,777,679	\$301.15	\$140.76	\$441.91	\$269,189,668	\$119,617,321	\$388,806,989	\$317.41	\$141.04	\$458.46
CY 2017	819.824	\$257,384,498	\$119,722,723	\$377,107,221	\$313.95	\$146.03	\$459.99	\$261,485,158	\$120,253,489	\$381,738,647	\$318.95	\$146.68	\$465.63

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase 5.9% 4.1% 2.9% 2.6% 4.0% 1.6%

2.4% 0.5%

MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

					Adjustments	for Benefits, A	ging and Frauc	l Waste and Ab	use Programs			
Month	Membership	Paid to Allowed Ratio	Induced Utilization	Normalized Induced Utilization	Average Age/Gender Factor	Normalized Age/Gender Factor	FWA Factor	Normalized FWA Factor	Total Normalized Factor	Facility PMPM	Profesional PMPM	Total PMPN
Jan-15	68,167	82.5%	1.096	1.004	1.245	1.020	1.003	0.997	1.020	\$321.55	\$139.18	\$460.73
Feb-15	68,581	82.5%	1.096	1.004	1.245	1.020	1.003	0.997	1.020	\$277.33	\$124.43	\$401.76
Mar-15	69,902	82.7%	1.097	1.003	1.245	1.020	1.003	0.997	1.019	\$319.99	\$143.71	\$463.71
Apr-15	70,062	82.8%	1.098	1.003	1.247	1.018	1.003	0.997	1.017	\$319.78	\$142.42	\$462.20
May-15	69,425	82.9%	1.099	1.002	1.249	1.016	1.003	0.997	1.014	\$298.15	\$136.29	\$434.44
Jun-15	69,428	83.0%	1.099	1.001	1.251	1.014	1.003	0.997	1.012	\$326.83	\$142.43	\$469.26
Jul-15	68,915	83.2%	1.100	1.000	1.252	1.013	1.003	0.997	1.010	\$321.02	\$140.44	\$461.47
Aug-15	68,414	83.3%	1.101	1.000	1.253	1.013	1.003	0.997	1.009	\$289.13	\$127.33	\$416.47
Sep-15	68,104	83.4%	1.102	0.999	1.256	1.011	1.003	0.997	1.006	\$328.14	\$138.63	\$466.76
Oct-15	68,048	83.4%	1.102	0.999	1.257	1.010	1.003	0.997	1.005	\$317.73	\$144.83	\$462.56
Nov-15	67,698	83.5%	1.102	0.998	1.257	1.009	1.003	0.997	1.004	\$322.13	\$137.76	\$459.88
Dec-15	67,672	83.4%	1.102	0.999	1.259	1.008	1.003	0.997	1.004	\$321.68	\$146.07	\$467.76
Jan-16	69,453	83.2%	1.101	1.000	1.253	1.013	1.001	0.999	1.012	\$310.51	\$137.31	\$447.83
Feb-16	69,976	83.2%	1.100	1.000	1.253	1.013	1.001	0.999	1.012	\$317.33	\$134.71	\$452.04
Mar-16	70,523	83.2%	1.100	1.000	1.252	1.013	1.001	0.999	1.013	\$337.96	\$152.97	\$490.93
Apr-16	70,450	83.1%	1.100	1.001	1.253	1.013	1.001	0.999	1.013	\$296.62	\$132.69	\$429.31
May-16	70,471	83.1%	1.099	1.001	1.254	1.012	1.001	0.999	1.013	\$296.12	\$139.05	\$435.17
Jun-16	70,607	83.0%	1.099	1.001	1.257	1.010	1.001	0.999	1.010	\$325.28	\$143.70	\$468.98
Jul-16	70,821	83.1%	1.099	1.001	1.259	1.008	1.001	0.999	1.009	\$304.73	\$127.64	\$432.38
Aug-16	70,910	83.1%	1.100	1.001	1.259	1.008	1.001	0.999	1.008	\$325.92	\$144.12	\$470.04
Sep-16	71,037	83.2%	1.100	1.000	1.261	1.007	1.001	0.999	1.006	\$331.13	\$144.35	\$475.47
Oct-16	71,211	83.3%	1.101	1.000	1.262	1.006	1.001	0.999	1.005	\$311.22	\$145.58	\$456.80
Nov-16	71,283	83.4%	1.101	0.999	1.262	1.005	1.001	0.999	1.004	\$337.35	\$153.29	\$490.64
Dec-16	71,339	83.5%	1.102	0.998	1.265	1.003	1.001	0.999	1.001	\$347.31	\$151.53	\$498.84
Jan-17	69,561	83.4%	1.101	0.999	1.265	1.004	1.000	1.000	1.003	\$323.16	\$152.33	\$475.49
Feb-17	69,874	83.3%	1.101	0.999	1.264	1.004	1.000	1.000	1.003	\$297.17	\$133.81	\$430.97
Mar-17	69,644	83.3%	1.101	1.000	1.265	1.003	1.000	1.000	1.003	\$327.24	\$153.47	\$480.71
Apr-17	69,292	83.3%	1.101	1.000	1.265	1.003	1.000	1.000	1.003	\$285.43	\$134.48	\$419.91
May-17	68,904	83.3%	1.101	1.000	1.267	1.002	1.000	1.000	1.002	\$326.83	\$155.23	\$482.06
Jun-17	68,586	83.3%	1.101	0.999	1.268	1.001	1.000	1.000	1.001	\$318.42	\$146.79	\$465.21
Jul-17	68,259	83.4%	1.101	0.999	1.267	1.001	1.000	1.000	1.001	\$309.85	\$133.66	\$443.50
Aug-17	67,932	83.3%	1.101	0.999	1.267	1.002	1.000	1.000	1.001	\$317.22	\$147.35	\$464.57
Sep-17	67,540	83.2%	1.100	1.000	1.267	1.002	1.000	1.000	1.002	\$314.35	\$141.26	\$455.61
Oct-17	67,184	83.3%	1.101	1.000	1.268	1.001	1.000	1.000	1.001	\$355.41	\$161.89	\$517.30
Nov-17	66,853	83.2%	1.100	1.000	1.268	1.001	1.000	1.000	1.001	\$327.81	\$156.98	\$484.79
Dec-17	66,195	83.2%	1.100	1.000	1.269	1.000	1.000	1.000	1.000	\$332.24	\$146.22	\$478.46
CY 2015	824,416	00.2%	00							\$313.62	\$138.63	\$452.25
CY 2016	848,081									\$320.18	\$142.28	\$462.45
CY 2010	819,824									\$319.44	\$146.91	\$466.35

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase 2.1% 2.6% 2.3% -0.2% 3.3% 0.8%

			Original Claims -	Removing Claima	ints in Excess of	\$250,000		Adjusted Claims	- Normalized for C	Contract Changes -	Removing Claim	ants in Exces	is of \$250,000
Month	Membership	Facility	Professional	Total	Facility PMPM	Profesional PMPM	Total PMPM	Facility	Professional	Total	Facility PMPM	Profesional PMPM	Total PMPM
Jan-15	68,106	\$17,698,025	\$8,850,850	\$26,548,876	\$259.86	\$129.96	\$389.82	\$19,477,622	\$9,013,305	\$28,490,926	\$285.99	\$132.34	\$418.33
Feb-15	68,519	\$15,725,178	\$7,942,183	\$23,667,361	\$229.50	\$115.91	\$345.41	\$17,364,616	\$8,095,334	\$25,459,950	\$253.43	\$118.15	\$371.58
Mar-15	69,837	\$18,088,070	\$9,421,391	\$27,509,460	\$259.00	\$134.91	\$393.91	\$19,949,338	\$9,609,655	\$29,558,993	\$285.66	\$137.60	\$423.26
Apr-15	69,997	\$18,215,844	\$9,313,991	\$27,529,835	\$260.24	\$133.06	\$393.30	\$20,079,513	\$9,498,373	\$29,577,886	\$286.86	\$135.70	\$422.56
May-15	69,359	\$16,652,885	\$8,844,362	\$25,497,247	\$240.10	\$127.52	\$367.61	\$18,320,006	\$9,002,830	\$27,322,836	\$264.13	\$129.80	\$393.93
Jun-15	69,361	\$18,081,448	\$9,330,887	\$27,412,336	\$260.69	\$134.53	\$395.21	\$19,901,398	\$9,485,814	\$29,387,212	\$286.92	\$136.76	\$423.68
Jul-15	68,847	\$17,629,362	\$9,023,425	\$26,652,787	\$256.07	\$131.06	\$387.13	\$19,299,436	\$9,166,524	\$28,465,959	\$280.32	\$133.14	\$413.47
Aug-15	68,348	\$15,806,064	\$8,215,393	\$24,021,457	\$231.26	\$120.20	\$351.46	\$17,297,320	\$8,344,842	\$25,642,162	\$253.08	\$122.09	\$375.17
Sep-15	68,038	\$17,566,093	\$8,942,412	\$26,508,505	\$258.18	\$131.43	\$389.61	\$19,241,445	\$9,072,973	\$28,314,418	\$282.80	\$133.35	\$416.16
Oct-15	67,984	\$17,235,767	\$9,283,298	\$26,519,065	\$253.53	\$136.55	\$390.08	\$18,719,515	\$9,417,693	\$28,137,208	\$275.35	\$138.53	\$413.88
Nov-15	67,637	\$16,761,585	\$8,761,600	\$25,523,185	\$247.82	\$129.54	\$377.36	\$18,210,705	\$8,875,724	\$27,086,428	\$269.24	\$131.23	\$400.47
Dec-15	67,613	\$18,532,775	\$9,525,390	\$28,058,165	\$274.10	\$140.88	\$414.98	\$20,064,448	\$9,638,747	\$29,703,195	\$296.75	\$142.56	\$439.31
Jan-16	69,385	\$18,367,494	\$9,110,997	\$27,478,491	\$264.72	\$131.31	\$396.03	\$19,401,652	\$9,218,361	\$28,620,012	\$279.62	\$132.86	\$412.48
Feb-16	69,908	\$18,630,050	\$9,084,168	\$27,714,218	\$266.49	\$129.94	\$396.44	\$19,678,308	\$9,120,371	\$28,798,679	\$281.49	\$130.46	\$411.95
Mar-16	70,456	\$20,484,953	\$10,417,669	\$30,902,622	\$290.75	\$147.86	\$438.61	\$21,644,930	\$10,447,462	\$32,092,391	\$307.21	\$148.28	\$455.50
Apr-16	70,383	\$17,859,167	\$9,020,893	\$26,880,060	\$253.74	\$128.17	\$381.91	\$18,852,951	\$9,049,908	\$27,902,859	\$267.86	\$128.58	\$396.44
May-16	70,404	\$17,502,081	\$9,407,676	\$26,909,757	\$248.59	\$133.62	\$382.22	\$18,516,931	\$9,432,086	\$27,949,016	\$263.01	\$133.97	\$396.98
Jun-16	70,540	\$19,334,377	\$9,847,573	\$29,181,950	\$274.09	\$139.60	\$413.69	\$20,444,485	\$9,868,779	\$30,313,265	\$289.83	\$139.90	\$429.73
Jul-16	70,755	\$17,912,956	\$8,719,925	\$26,632,881	\$253.17	\$123.24	\$376.41	\$18,920,097	\$8,725,166	\$27,645,262	\$267.40	\$123.32	\$390.72
Aug-16	70,844	\$19,325,713	\$9,854,240	\$29,179,953	\$272.79	\$139.10	\$411.89	\$20,385,560	\$9,864,707	\$30,250,267	\$287.75	\$139.25	\$427.00
Sep-16	70,970	\$18,574,314	\$9,705,686	\$28,280,000	\$261.72	\$136.76	\$398.48	\$19,591,708	\$9,711,199	\$29,302,907	\$276.06	\$136.84	\$412.89
Oct-16	71,146	\$18,732,623	\$9,891,021	\$28,623,644	\$263.30	\$139.02	\$402.32	\$19,605,084	\$9,899,876	\$29,504,961	\$275.56	\$139.15	\$414.71
Nov-16	71,218	\$20,285,987	\$10,345,690	\$30,631,677	\$284.84	\$145.27	\$430.11	\$21,217,532	\$10,336,913	\$31,554,445	\$297.92	\$145.14	\$443.07
Dec-16	71,277	\$20,550,944	\$10,505,891	\$31,056,835	\$288.33	\$147.40	\$435.72	\$21,478,672	\$10,503,422	\$31,982,094	\$301.34	\$147.36	\$448.70
Jan-17	69,490	\$19,909,289	\$10,182,837	\$30,092,125	\$286.51	\$146.54	\$433.04	\$20,406,437	\$10,349,590	\$30,756,028	\$293.66	\$148.94	\$442.60
Feb-17	69,802	\$18,214,979	\$9,055,037	\$27,270,016	\$260.95	\$129.72	\$390.68	\$18,675,546	\$9,117,795	\$27,793,340	\$267.55	\$130.62	\$398.17
Mar-17	69,572	\$20,043,057	\$10,375,251	\$30,418,307	\$288.09	\$149.13	\$437.22	\$20,532,704	\$10,442,767	\$30,975,471	\$295.13	\$150.10	\$445.23
Apr-17	69,220	\$17,265,229	\$9,033,121	\$26,298,349	\$249.43	\$130.50	\$379.92	\$17,683,158	\$9,087,426	\$26,770,584	\$255.46	\$131.28	\$386.75
May-17	68,831	\$19,975,109	\$10,428,381	\$30,403,490	\$290.21	\$151.51	\$441.71	\$20,455,252	\$10,488,296	\$30,943,547	\$297.18	\$152.38	\$449.56
Jun-17	68,513	\$18,809,353	\$9,757,495	\$28,566,848	\$274.54	\$142.42	\$416.96	\$19,226,920	\$9,809,278	\$29,036,198	\$280.63	\$143.17	\$423.81
Jul-17	68,188	\$17,893,311	\$8,812,556	\$26,705,867	\$262.41	\$129.24	\$391.65	\$18,197,448	\$8,828,817	\$27,026,265	\$266.87	\$129.48	\$396.35
Aug-17	67,861	\$19,136,874	\$9,730,292	\$28,867,166	\$282.00	\$143.39	\$425.39	\$19,470,062	\$9,744,143	\$29,214,205	\$286.91	\$143.59	\$430.50
Sep-17	67,472	\$18,100,285	\$9,321,731	\$27,422,017	\$268.26	\$138.16	\$406.42	\$18,397,429	\$9,331,539	\$27,728,968	\$272.67	\$138.30	\$410.97
Oct-17	67,118	\$20,668,777	\$10,609,497	\$31,278,274	\$307.95	\$158.07	\$466.02	\$20,686,286	\$10,617,256	\$31,303,542	\$308.21	\$158.19	\$466.40
Nov-17	66,790	\$19,751,641	\$10,244,038	\$29,995,679	\$295.73	\$153.38	\$449.10	\$19,760,113	\$10,247,878	\$30,007,990	\$295.85	\$153.43	\$449.29
Dec-17	66,135	\$19,893,854	\$9,553,543	\$29,447,398	\$300.81	\$144.46	\$445.26	\$19,893,854	\$9,553,543	\$29,447,398	\$300.81	\$144.46	\$445.26
CY 2015	823,646	\$207,993,097	\$107,455,181	\$315,448,278	\$252.53	\$130.46	\$382.99	\$227,925,361	\$109,221,813	\$337,147,174	\$276.73	\$132.61	\$409.34
CY 2015	847,286	\$227,560,659	\$115,911,429	\$343,472,088	\$268.58	\$136.80	\$405.38	\$239,737,909	\$116,178,248	\$355,916,157	\$282.95	\$137.12	\$420.07
CY 2010	818,992	\$229,661,757	\$117,103,778	\$346,765,535	\$280.42	\$142.99	\$403.38	\$233,385,209	\$117,618,327	\$351,003,537	\$284.97	\$137.12	\$428.58
51 2017	010,772	4227,001,7 <i>3</i> 7	÷117,105,770	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3200.42	J142.77	J47771	÷255,505,207	÷11,010,527	\$331,003,337	920 <del>4</del> .77	J143.01	J4770, 70

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase 5.8% 4.4% 3.4%2.6%4.7%2.0%

2.2% 0.7%

MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

			Adjus	tments for Ber	efits, Aging an	d Fraud Waste	and Abuse Pro	grams - Remov	ing Claimants i	in Excess of \$25	0,000	
Month	Membership	Paid to Allowed Ratio	Induced Utilization	Normalized Induced Utilization	Average Age/Gender Factor	Normalized Age/Gender Factor	FWA Factor	Normalized FWA Factor	Total Normalized Factor	Facility PMPM	Profesional PMPM	Total PMPM
Jan-15	68,106	82.5%	1.096	1.004	1.245	1.020	1.003	0.997	1.020	\$291.84	\$135.05	\$426.89
Feb-15	68,519	82.5%	1.096	1.004	1.245	1.020	1.003	0.997	1.020	\$258.56	\$120.54	\$379.10
Mar-15	69,837	82.7%	1.097	1.003	1.245	1.020	1.003	0.997	1.019	\$291.22	\$140.28	\$431.50
Apr-15	69,997	82.8%	1.098	1.003	1.247	1.018	1.003	0.997	1.017	\$291.76	\$138.02	\$429.78
May-15	69,359	82.9%	1.099	1.002	1.249	1.016	1.003	0.997	1.014	\$267.82	\$131.61	\$399.43
Jun-15	69,361	83.0%	1.099	1.001	1.251	1.014	1.003	0.997	1.012	\$290.40	\$138.41	\$428.81
Jul-15	68,847	83.2%	1.100	1.000	1.252	1.013	1.003	0.997	1.010	\$283.12	\$134.47	\$417.60
Aug-15	68,348	83.3%	1.101	1.000	1.253	1.013	1.003	0.997	1.009	\$255.44	\$123.23	\$378.67
Sep-15	68,038	83.4%	1.102	0.999	1.256	1.011	1.003	0.997	1.006	\$284.45	\$134.13	\$418.58
Oct-15	67,984	83.4%	1.102	0.999	1.257	1.010	1.003	0.997	1.005	\$276.74	\$139.22	\$415.96
Nov-15	67,637	83.5%	1.102	0.998	1.257	1.009	1.003	0.997	1.004	\$270.35	\$131.77	\$402.12
Dec-15	67,613	83.4%	1.102	0.999	1.259	1.008	1.003	0.997	1.004	\$297.85	\$143.08	\$440.93
Jan-16	69,385	83.2%	1.101	1.000	1.253	1.013	1.001	0.999	1.012	\$282.99	\$134.46	\$417.45
Feb-16	69,908	83.2%	1.100	1.000	1.253	1.013	1.001	0.999	1.012	\$285.00	\$132.09	\$417.09
Mar-16	70,456	83.2%	1.100	1.000	1.252	1.013	1.001	0.999	1.013	\$311.28	\$150.25	\$461.53
Apr-16	70,383	83.1%	1.100	1.001	1.253	1.013	1.001	0.999	1.013	\$271.41	\$130.29	\$401.70
May-16	70,404	83.1%	1.099	1.001	1.254	1.012	1.001	0.999	1.013	\$266.34	\$135.67	\$402.01
Jun-16	70,540	83.0%	1.099	1.001	1.257	1.010	1.001	0.999	1.010	\$292.87	\$141.37	\$434.24
Jul-16	70,755	83.1%	1.099	1.001	1.259	1.008	1.001	0.999	1.009	\$269.70	\$124.37	\$394.07
Aug-16	70,844	83.1%	1.100	1.001	1.259	1.008	1.001	0.999	1.008	\$289.94	\$140.30	\$430.24
Sep-16	70,970	83.2%	1.100	1.000	1.261	1.007	1.001	0.999	1.006	\$277.77	\$137.69	\$415.46
Oct-16	71,146	83.3%	1.101	1.000	1.262	1.006	1.001	0.999	1.005	\$276.93	\$139.84	\$416.76
Nov-16	71,218	83.4%	1.101	0.999	1.262	1.005	1.001	0.999	1.004	\$299.10	\$145.72	\$444.82
Dec-16	71,277	83.5%	1.102	0.998	1.265	1.003	1.001	0.999	1.001	\$301.66	\$147.52	\$449.18
Jan-17	69,490	83.4%	1.101	0.999	1.265	1.004	1.000	1.000	1.003	\$294.44	\$149.33	\$443.77
Feb-17	69,802	83.3%	1.101	0.999	1.264	1.004	1.000	1.000	1.003	\$268.39	\$131.03	\$399.42
Mar-17	69,572	83.3%	1.101	1.000	1.265	1.003	1.000	1.000	1.003	\$296.01	\$150.55	\$446.55
Apr-17	69,220	83.3%	1.101	1.000	1.265	1.003	1.000	1.000	1.003	\$256.20	\$131.66	\$387.87
May-17	68,831	83.3%	1.101	1.000	1.267	1.002	1.000	1.000	1.002	\$297.67	\$152.63	\$450.30
Jun-17	68,513	83.3%	1.101	0.999	1.268	1.001	1.000	1.000	1.001	\$280.81	\$143.27	\$424.08
Jul-17	68,188	83.4%	1.101	0.999	1.267	1.001	1.000	1.000	1.001	\$267.02	\$129.55	\$396.57
Aug-17	67,861	83.3%	1.101	0.999	1.267	1.001	1.000	1.000	1.001	\$287.21	\$143.74	\$430.95
Sep-17	67,472	83.2%	1.100	1.000	1.267	1.002	1.000	1.000	1.001	\$273.12	\$138.53	\$411.65
Oct-17	67,118	83.3%	1.101	1.000	1.268	1.001	1.000	1.000	1.002	\$308.46	\$158.32	\$466.78
Nov-17	66,790	83.2%	1.100	1.000	1.268	1.001	1.000	1.000	1.001	\$296.01	\$153.51	\$449.52
Dec-17	66,135	83.2%	1.100	1.000	1.269	1.000	1.000	1.000	1.000	\$300.81	\$144.46	\$445.26
CY 2015	823,646	03.2/0	1.100	1.000	1.207	1.000	1.000	1.000	1.000	\$279.99	\$134.16	\$414.15
CY 2016	847,286									\$285.44	\$134.10	\$423.75
CY 2018	818,992									\$285.44 \$285.41	\$138.32	\$423.75 \$429.24
CT 2017	010,772	I								220J.41	i43.04 ډ	2427.24

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase 
 1.9%
 3.1%
 2.3%

 0.0%
 4.0%
 1.3%

MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

	Regress	ion on Adjusted PMPM - 3	6 Months	Regressi	on on Adjusted PMPM - 2	4 Months
Month	Facility	Professional	Total	Facility	Professional	Total
Jan-15	\$278.40	\$131.25	\$409.62	\$278.86	\$128.94	\$407.68
Feb-15	\$278.68	\$131.66	\$410.33	\$279.13	\$129.43	\$408.46
Mar-15	\$278.93	\$132.03	\$410.96	\$279.37	\$129.88	\$409.16
Apr-15	\$279.22	\$132.45	\$411.66	\$279.64	\$130.38	\$409.94
May-15	\$279.49	\$132.85	\$412.34	\$279.90	\$130.86	\$410.70
Jun-15	\$279.77	\$133.27	\$413.05	\$280.17	\$131.36	\$411.48
Jul-15	\$280.04	\$133.67	\$413.73	\$280.43	\$131.85	\$412.24
Aug-15	\$280.33	\$134.09	\$414.44	\$280.70	\$132.35	\$413.02
Sep-15	\$280.61	\$134.51	\$415.15	\$280.97	\$132.86	\$413.81
Oct-15	\$280.88	\$134.92	\$415.84	\$281.23	\$133.35	\$414.57
Nov-15	\$281.17	\$135.35	\$416.55	\$281.50	\$133.86	\$415.36
Dec-15	\$281.44	\$135.76	\$417.24	\$281.76	\$134.36	\$416.13
Jan-16	\$281.73	\$136.19	\$417.95	\$282.03	\$134.87	\$416.92
Feb-16	\$282.01	\$136.61	\$418.67	\$282.30	\$135.39	\$417.71
Mar-16	\$282.28	\$137.02	\$419.34	\$282.55	\$135.88	\$418.46
Apr-16	\$282.56	\$137.45	\$420.06	\$282.82	\$136.40	\$419.25
May-16	\$282.84	\$137.86	\$420.75	\$283.09	\$136.90	\$420.03
Jun-16	\$283.12	\$138.30	\$421.47	\$283.36	\$137.43	\$420.83
Jul-16	\$283.40	\$138.72	\$422.17	\$283.62	\$137.94	\$421.60
Aug-16	\$283.69	\$139.15	\$422.89	\$283.89	\$138.46	\$422.40
Sep-16	\$283.97	\$139.59	\$423.61	\$284.16	\$138.99	\$423.21
Oct-16	\$284.25	\$140.01	\$424.32	\$284.43	\$139.51	\$423.99
Nov-16	\$284.54	\$140.45	\$425.04	\$284.70	\$140.04	\$424.80
Dec-16	\$284.82	\$140.88	\$425.75	\$284.96	\$140.56	\$425.58
Jan-17	\$285.10	\$141.32	\$426.47	\$285.24	\$141.10	\$426.39
Feb-17	\$285.39	\$141.77	\$427.20	\$285.51	\$141.64	\$427.20
Mar-17	\$285.65	\$142.17	\$427.86	\$285.76	\$142.13	\$427.94
Apr-17	\$285.94	\$142.62	\$428.60	\$286.03	\$142.68	\$428.75
May-17	\$286.22	\$143.05	\$429.31	\$286.30	\$143.21	\$429.54
Jun-17	\$286.51	\$143.50	\$430.04	\$286.57	\$143.75	\$430.36
Jul-17	\$286.79	\$143.94	\$430.75	\$286.84	\$144.29	\$431.15
Aug-17	\$287.08	\$144.39	\$431.49	\$287.11	\$144.84	\$431.97
Sep-17	\$287.37	\$144.84	\$432.23	\$287.39	\$145.40	\$432.80
Oct-17	\$287.65	\$145.28	\$432.94	\$287.66	\$145.93	\$433.59
Nov-17	\$287.94	\$145.74	\$433.68	\$287.93	\$146.49	\$434.42
Dec-17	\$288.22	\$146.18	\$434.40	\$288.20	\$147.04	\$435.22
Annual Trend	1.2%	3.8%	2.0%	1.1%	4.6%	2.3%

Fac	ility	Prof	essional	Т	otal	Fa	cility	Profe	essional	Т	otal
1.000	70.929	1.000	1.870	1.000	40.401	1.000	76.114	1.000	0.725	1.000	30.960
0.000	1.153	0.000	1.231	0.000	1.148	0.000	2.183	0.000	2.414	0.000	2.196
0.041	0.051	0.265	0.055	0.109	0.051	0.016	0.053	0.178	0.058	0.061	0.053
1.443	34.000	12.232	34.000	4.177	34.000	0.366	22.000	4.764	22.000	1.425	22.000

						Uti	ilization Trend	Calculation -	36 Month Time	Series - Fac	ility			
			Holt-Winters' A	Aultiplicative	Damped Trer Multipli		Holt-Winter	s' Additive	Damped Trer Addit		Damped Trend	Non-Seasonal	Double Exponen	tial Smoothing
Month	Membership	Adjusted PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM
Jan-15	68106	\$291.84	\$291.84		\$291.84		\$291.84		\$291.84		\$291.84		\$291.84	
Feb-15	68519	\$258.56	\$258.56		\$258.56		\$258.56		\$258.56		\$258.56		\$258.56	
Mar-15	69837	\$291.22	\$291.22		\$291.22		\$291.22		\$291.22		\$291.22		\$291.22	
Apr-15	69997	\$291.76	\$291.76		\$291.76		\$291.76		\$291.76		\$291.76		\$291.76	
May-15	69359	\$267.82	\$267.82		\$267.82		\$267.82		\$267.82		\$267.82		\$267.82	
Jun-15	69361	\$290.40	\$290.40		\$290.40		\$290.40		\$290.40		\$290.40		\$290.40	
Jul-15	68847	\$283.12	\$283.12		\$283.12		\$283.12		\$283.12		\$283.12		\$283.12	
Aug-15	68348	\$255.44	\$255.44		\$255.44		\$255.44		\$255.44		\$255.44		\$255.44	
Sep-15	68038	\$284.45	\$284.45		\$284.45		\$284.45		\$284.45		\$284.45		\$284.45	
Oct-15	67984	\$276.74	\$276.74		\$276.74		\$276.74		\$276.74		\$276.74		\$276.74	
Nov-15	67637	\$270.35	\$270.35		\$270.35		\$270.35		\$270.35		\$270.35		\$270.35	
Dec-15	67613	\$297.85	\$297.85	\$279.99	\$297.85	\$279.99	\$297.85	\$279.99	\$297.85	\$279.99	\$297.85	\$279.99	\$297.85	\$279.99
Jan-16	69385	\$282.99	\$282.99	\$279.27	\$282.99	\$279.27	\$282.99	\$279.27	\$282.99	\$279.27	\$282.99	\$279.27	\$282.99	\$279.27
Feb-16 Mar-16	69908 70456	\$285.00 \$311.28	\$285.00 \$311.28	\$281.47 \$283.18	\$285.00 \$311.28	\$281.47 \$283.18	\$285.00 \$311.28	\$281.47 \$283.18	\$285.00 \$311.28	\$281.47 \$283.18	\$285.00 \$311.28	\$281.47 \$283.18	\$285.00 \$311.28	\$281.47 \$283.18
Apr-16	70383	\$311.28 \$271.41	\$311.28 \$271.41	\$283.18 \$281.46	\$311.28 \$271.41	\$283.18 \$281.46	\$271.41	\$283.18 \$281.46	\$271.41	\$283.18 \$281.46	\$311.28 \$271.41	\$283.18 \$281.46	\$271.41	\$283.18 \$281.46
May-16	70383	\$266.34	\$266.34	\$281.31	\$266.34	\$281.40 \$281.31	\$266.34	\$281.31	\$266.34	\$281.40 \$281.31	\$266.34	\$281.31	\$266.34	\$281.31
Jun-16	70540	\$292.87	\$292.87	\$281.54	\$292.87	\$281.54	\$292.87	\$281.54	\$292.87	\$281.54	\$292.87	\$281.54	\$292.87	\$281.54
Jul-16	70755	\$269.70	\$269.70	\$280.40	\$269.70	\$280.40	\$269.70	\$280.40	\$269.70	\$280.40	\$269.70	\$280.40	\$269.70	\$280.40
Aug-16	70844	\$289.94	\$289.94	\$283.25	\$289.94	\$283.25	\$289.94	\$283.25	\$289.94	\$283.25	\$289.94	\$283.25	\$289.94	\$283.25
Sep-16	70970	\$277.77	\$277.77	\$282.69	\$277.77	\$282.69	\$277.77	\$282.69	\$277.77	\$282.69	\$277.77	\$282.69	\$277.77	\$282.69
Oct-16	71146	\$276.93	\$276.93	\$282.69	\$276.93	\$282.69	\$276.93	\$282.69	\$276.93	\$282.69	\$276.93	\$282.69	\$276.93	\$282.69
Nov-16	71218	\$299.10	\$299.10	\$285.06	\$299.10	\$285.06	\$299.10	\$285.06	\$299.10	\$285.06	\$299.10	\$285.06	\$299.10	\$285.06
Dec-16	71277	\$301.66	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44
Jan-17	69490	\$294.44	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37
Feb-17	69802	\$268.39	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01
Mar-17	69572	\$296.01	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72
Apr-17	69220	\$256.20	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49
May-17	68831	\$297.67	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08
Jun-17	68513	\$280.81	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08
Jul-17	68188	\$267.02	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91
Aug-17 Sep-17	67861 67472	\$287.21 \$273.12	\$287.21 \$273.12	\$283.66 \$283.31	\$287.21 \$273.12	\$283.66 \$283.31	\$287.21 \$273.12	\$283.66 \$283.31	\$287.21 \$273.12	\$283.66 \$283.31	\$287.21 \$273.12	\$283.66 \$283.31	\$287.21 \$273.12	\$283.66 \$283.31
0ct-17	67118	\$308.46	\$308.46	\$285.90	\$308.46	\$285.90	\$308.46	\$285.90	\$308.46	\$285.90	\$308.46	\$285.90	\$308.46	\$285.90
Nov-17	66790	\$296.01	\$296.01	\$285.58	\$296.01	\$285.58	\$296.01	\$285.58	\$296.01	\$285.58	\$296.01	\$285.58	\$296.01	\$285.58
Dec-17	66135	\$300.81	\$300.81	\$285.41	\$300.81	\$285.41	\$300.81	\$285.41	\$300.81	\$285.41	\$300.81	\$285.41	\$300.81	\$285.41
Jan-18	66135	\$300.01	\$294.67	\$285.39	\$294.65	\$285.39	\$294.58	\$285.38	\$294.58	\$285.38	\$285.51	\$284.64	\$286.44	\$284.72
Feb-18	66135		\$273.05	\$285.84	\$273.03	\$285.84	\$273.09	\$285.84	\$273.11	\$285.84	\$285.97	\$286.15	\$286.43	\$286.26
Mar-18	66135		\$300.98	\$286.21	\$300.95	\$286.20	\$300.78	\$286.19	\$300.81	\$286.19	\$286.30	\$285.31	\$286.43	\$285.44
Apr-18	66135		\$263.06	\$286.89	\$263.03	\$286.88	\$263.16	\$286.87	\$263.22	\$286.88	\$286.52	\$287.91	\$286.42	\$288.03
May-18	66135		\$293.19	\$286.48	\$293.17	\$286.47	\$293.18	\$286.47	\$293.11	\$286.47	\$286.68	\$286.98	\$286.42	\$287.07
Jun-18	66135		\$286.07	\$286.93	\$286.04	\$286.92	\$286.01	\$286.91	\$286.04	\$286.92	\$286.80	\$287.49	\$286.41	\$287.55
Jul-18	66135		\$270.92	\$287.30	\$270.89	\$287.29	\$271.02	\$287.29	\$271.05	\$287.30	\$286.87	\$289.19	\$286.41	\$289.21
Aug-18	66135		\$288.86	\$287.44	\$288.82	\$287.42	\$288.85	\$287.43	\$288.83	\$287.44	\$286.93	\$289.17	\$286.40	\$289.15
Sep-18	66135		\$277.33	\$287.82	\$277.30	\$287.80	\$277.41	\$287.81	\$277.43	\$287.82	\$286.97	\$290.35	\$286.40	\$290.28
Oct-18	66135		\$304.32	\$287.45	\$304.28	\$287.42	\$304.24	\$287.44	\$304.17	\$287.44	\$286.99	\$288.54	\$286.39	\$288.42
Nov-18 Dec-18	66135		\$298.25	\$287.63	\$298.20	\$287.60	\$298.15	\$287.61	\$298.13	\$287.61	\$287.01	\$287.78	\$286.39	\$287.61
	66135		\$303.90	\$287.88	\$303.85	\$287.85	\$303.72	\$287.85	\$303.72	\$287.85	\$287.03	\$286.63	\$286.38	\$286.41
Jan-19 Feb-19	66135 66135		\$297.15 \$275.36	\$288.09 \$288.28	\$297.09 \$275.29	\$288.05 \$288.24	\$296.99 \$275.50	\$288.05 \$288.25	\$296.97 \$275.51	\$288.05 \$288.25	\$287.04 \$287.04	\$286.76 \$286.85	\$286.38 \$286.37	\$286.41 \$286.40
Mar-19	66135		\$275.36 \$303.52	\$288.28 \$288.49	\$275.29 \$303.44	\$288.24 \$288.45	\$275.50 \$303.19	\$288.25 \$288.45	\$275.51 \$303.19	\$288.25 \$288.45	\$287.04 \$287.05	\$286.85 \$286.91	\$286.37 \$286.37	\$286.40 \$286.40
Apr-19	66135		\$265.28	\$288.49 \$288.68	\$303.44 \$265.20	\$288.45 \$288.63	\$265.56	\$288.45 \$288.65	\$265.61	\$288.45 \$288.65	\$287.05	\$286.91 \$286.96	\$286.37 \$286.36	\$286.40 \$286.39
May-19	66135		\$295.66	\$288.89	\$295.58	\$288.83	\$295.59	\$288.85	\$295.50	\$288.85	\$287.05	\$286.99	\$286.36	\$286.39
Jun-19	66135		\$288.48	\$289.09	\$288.39	\$289.03	\$288.41	\$289.05	\$288.42	\$289.03 \$289.04	\$287.05	\$287.01	\$286.35	\$286.38
Jul-19	66135		\$273.20	\$289.28	\$273.11	\$289.21	\$273.43	\$289.25	\$273.42	\$289.24	\$287.06	\$287.02	\$286.35	\$286.38
Aug-19	66135		\$291.28	\$289.48	\$291.19	\$289.41	\$291.26	\$289.45	\$291.20	\$289.44	\$287.06	\$287.03	\$286.34	\$286.37
Sep-19	66135		\$279.66	\$289.67	\$279.57	\$289.60	\$279.81	\$289.65	\$279.80	\$289.64	\$287.06	\$287.04	\$286.34	\$286.37
Oct-19	66135		\$306.87	\$289.88	\$306.76	\$289.81	\$306.65	\$289.86	\$306.54	\$289.83	\$287.06	\$287.05	\$286.33	\$286.36
Nov-19	66135		\$300.75	\$290.09	\$300.64	\$290.01	\$300.56	\$290.06	\$300.50	\$290.03	\$287.06	\$287.05	\$286.33	\$286.36
Dec-19	66135		\$306.45	\$290.31	\$306.33	\$290.22	\$306.13	\$290.26	\$306.09	\$290.23	\$287.06	\$287.05	\$286.32	\$286.35
		Annual Trend		0.85%		0.84%		0.85%		0.84%		0.29%		0.17%
		RMSE		16.71		16.72		16.71		16.71		15.57		15.61

MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

						Ut	ilization Trend	Calculation -	24 Month Time	Series - Fac	ility			
					Damped Trer			curculation	Damped Trer					
			Holt-Winters'	Aultiplicative	Multipli		Holt-Winter	s' Additive	Addit		Damped Trend	Non-Seasonal	Double Exponen	tial Smoothing
														-
Month	Membership	Adjusted PMPM	Monthly PMPM	Rolling 12 PMPM										
Jan-16	69385	\$282.99	\$282.99		\$282.99		\$282.99		\$282.99		\$282.99		\$282.99	
Feb-16	69908	\$285.00	\$285.00		\$285.00		\$285.00		\$285.00		\$285.00		\$285.00	
Mar-16	70456	\$311.28	\$311.28		\$311.28		\$311.28		\$311.28		\$311.28		\$311.28	
Apr-16	70383	\$271.41	\$271.41		\$271.41		\$271.41		\$271.41		\$271.41		\$271.41	
May-16	70404	\$266.34	\$266.34		\$266.34		\$266.34		\$266.34		\$266.34		\$266.34	
Jun-16	70540	\$292.87	\$292.87		\$292.87		\$292.87		\$292.87		\$292.87		\$292.87	
Jul-16	70755	\$269.70	\$269.70		\$269.70		\$269.70		\$269.70		\$269.70		\$269.70	
Aug-16	70844	\$289.94	\$289.94		\$289.94		\$289.94		\$289.94		\$289.94		\$289.94	
Sep-16	70970	\$277.77	\$277.77		\$277.77		\$277.77		\$277.77		\$277.77		\$277.77	
Oct-16	71146	\$276.93	\$276.93		\$276.93		\$276.93		\$276.93		\$276.93		\$276.93	
Nov-16	71218	\$299.10	\$299.10		\$299.10		\$299.10		\$299.10		\$299.10		\$299.10	
Dec-16	71277	\$301.66	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44	\$301.66	\$285.44
Jan-17	69490	\$294.44	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37	\$294.44	\$286.37
Feb-17	69802	\$268.39	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01	\$268.39	\$285.01
Mar-17	69572	\$296.01	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72	\$296.01	\$283.72
Apr-17	69220	\$256.20	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49	\$256.20	\$282.49
May-17	68831	\$297.67	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08	\$297.67	\$285.08
Jun-17	68513	\$280.81	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08	\$280.81	\$284.08
Jul-17	68188	\$267.02	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91	\$267.02	\$283.91
Aug-17	67861	\$287.21	\$287.21	\$283.66	\$287.21	\$283.66	\$287.21	\$283.66	\$287.21	\$283.66	\$287.21	\$283.66	\$287.21	\$283.66
Sep-17	67472	\$273.12	\$273.12	\$283.31	\$273.12	\$283.31	\$273.12	\$283.31	\$273.12	\$283.31	\$273.12	\$283.31	\$273.12	\$283.31 \$285.90
Oct-17 Nov-17	67118 66790	\$308.46 \$296.01	\$308.46 \$296.01	\$285.90 \$285.58	\$308.46 \$296.01	\$285.90 \$285.58	\$308.46 \$296.01	\$285.90 \$285.58	\$308.46 \$296.01	\$285.90 \$285.58	\$308.46	\$285.90 \$285.58	\$308.46 \$296.01	\$285.90 \$285.58
Dec-17	66135	\$296.01 \$300.81	\$296.01 \$300.81	\$285.58 \$285.41										
Jan-18	66135	\$300.81	\$294.42	\$285.37	\$293.29	\$285.28	\$294.42	\$285.37	\$293.29	\$285.28	\$284.64	\$284.57	\$284.65	\$284.57
Feb-18	66135		\$268.42	\$285.45	\$270.06	\$285.49	\$268.41	\$285.45	\$270.06	\$285.49	\$284.85	\$285.99	\$284.86	\$285.99
Mar-18	66135		\$296.05	\$285.40	\$297.56	\$285.57	\$296.04	\$285.40	\$297.56	\$285.57	\$285.05	\$285.05	\$285.07	\$285.05
Apr-18	66135		\$256.26	\$285.52	\$257.76	\$285.81	\$256.26	\$285.52	\$257.76	\$285.81	\$285.26	\$287.55	\$285.28	\$287.55
May-18	66135		\$297.65	\$285.48	\$294.54	\$285.51	\$297.64	\$285.48	\$294.54	\$285.51	\$285.47	\$286.51	\$285.49	\$286.51
Jun-18	66135		\$280.85	\$285.50	\$282.04	\$285.63	\$280.84	\$285.49	\$282.04	\$285.63	\$285.67	\$286.92	\$285.70	\$286.93
Jul-18	66135		\$267.05	\$285.55	\$267.31	\$285.70	\$267.05	\$285.54	\$267.31	\$285.70	\$285.88	\$288.54	\$285.91	\$288.55
Aug-18	66135		\$287.24	\$285.54	\$287.51	\$285.72	\$287.24	\$285.54	\$287.51	\$285.72	\$286.08	\$288.45	\$286.12	\$288.46
Sep-18	66135		\$273.15	\$285.57	\$273.61	\$285.78	\$273.15	\$285.56	\$273.61	\$285.78	\$286.29	\$289.57	\$286.32	\$289.58
Oct-18	66135		\$308.42	\$285.54	\$305.30	\$285.49	\$308.42	\$285.53	\$305.30	\$285.49	\$286.49	\$287.71	\$286.53	\$287.74
Nov-18	66135		\$296.01	\$285.53	\$296.32	\$285.51	\$296.01	\$285.52	\$296.32	\$285.51	\$286.70	\$286.93	\$286.74	\$286.96
Dec-18	66135		\$300.81	\$285.53	\$300.89	\$285.52	\$300.81	\$285.52	\$300.89	\$285.52	\$286.90	\$285.77	\$286.95	\$285.80
Jan-19	66135		\$294.42	\$285.53	\$293.29	\$285.52	\$294.42	\$285.52	\$293.29	\$285.52	\$287.11	\$285.98	\$287.16	\$286.01
Feb-19	66135		\$268.42	\$285.53	\$270.06	\$285.52	\$268.41	\$285.52	\$270.06	\$285.52	\$287.31	\$286.18	\$287.37	\$286.22
Mar-19	66135		\$296.05	\$285.53	\$297.56	\$285.52	\$296.04	\$285.52	\$297.56	\$285.52	\$287.52	\$286.39	\$287.58	\$286.43
Apr-19	66135		\$256.26	\$285.53	\$257.76	\$285.52	\$256.26	\$285.52	\$257.76	\$285.52	\$287.72	\$286.60	\$287.79	\$286.64
May-19	66135		\$297.65	\$285.53	\$294.54	\$285.52	\$297.64	\$285.52	\$294.54	\$285.52	\$287.93	\$286.80	\$288.00	\$286.85
Jun-19	66135		\$280.85	\$285.53	\$282.04	\$285.52	\$280.84	\$285.52	\$282.04	\$285.52	\$288.13	\$287.01	\$288.20	\$287.06
Jul-19	66135		\$267.05	\$285.53	\$267.31	\$285.52	\$267.05	\$285.52	\$267.31	\$285.52	\$288.33	\$287.21	\$288.41	\$287.26
Aug-19	66135		\$287.24	\$285.53	\$287.51	\$285.52	\$287.24	\$285.52	\$287.51	\$285.52	\$288.54	\$287.41	\$288.62	\$287.47
Sep-19	66135		\$273.15	\$285.53	\$273.61	\$285.52	\$273.15	\$285.52	\$273.61	\$285.52	\$288.74	\$287.62	\$288.83	\$287.68
Oct-19	66135		\$308.42	\$285.53	\$305.30	\$285.52	\$308.42	\$285.52	\$305.30	\$285.52	\$288.94	\$287.82	\$289.04	\$287.89
Nov-19	66135		\$296.01	\$285.53	\$296.32	\$285.52	\$296.01	\$285.52	\$296.32	\$285.52	\$289.15	\$288.03	\$289.25	\$288.10
Dec-19	66135		\$300.81	\$285.53	\$300.89	\$285.52	\$300.81	\$285.52	\$300.89	\$285.52	\$289.35	\$288.23	\$289.46	\$288.31
		Annual Trend		0.02%		0.02%		0.02%		0.02%		0.49%		0.51%
		RMSE		15.92		15.92		15.92		15.92		14.93		14.93

						Utiliz	zation Trend Ca	lculation - 36	Month Time S	eries - Profe	sional			
			Holt-Winters' A	Aultiplicative	Damped Trer Multipli		Holt-Winter	s' Additive	Damped Trer Addit		Damped Trend	Non-Seasonal	Double Exponen	tial Smoothing
Month	Membership	Adjusted PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM	Monthly PMPM	Rolling 12 PMPM
Jan-15	68106	\$135.05	\$135.05		\$135.05		\$135.05		\$135.05		\$135.05		\$135.05	
Feb-15	68519	\$120.54	\$120.54		\$120.54		\$120.54		\$120.54		\$120.54		\$120.54	
Mar-15	69837	\$140.28	\$140.28		\$140.28		\$140.28		\$140.28		\$140.28		\$140.28	
Apr-15	69997	\$138.02	\$138.02		\$138.02		\$138.02		\$138.02		\$138.02		\$138.02	
May-15	69359	\$131.61	\$131.61		\$131.61		\$131.61		\$131.61		\$131.61		\$131.61	
Jun-15	69361	\$138.41	\$138.41		\$138.41		\$138.41		\$138.41		\$138.41		\$138.41	
Jul-15	68847	\$134.47	\$134.47		\$134.47		\$134.47		\$134.47		\$134.47		\$134.47	
Aug-15	68348	\$123.23	\$123.23		\$123.23		\$123.23		\$123.23		\$123.23		\$123.23	
Sep-15	68038	\$134.13	\$134.13		\$134.13		\$134.13		\$134.13		\$134.13		\$134.13	
Oct-15 Nov-15	67984 67637	\$139.22	\$139.22		\$139.22		\$139.22		\$139.22		\$139.22		\$139.22	
Dec-15	67613	\$131.77 \$143.08	\$131.77 \$143.08	\$134.16	\$131.77 \$143.08	\$134.16	\$131.77 \$143.08	\$134.16	\$131.77 \$143.08	\$134.16	\$131.77 \$143.08	\$134.16	\$131.77 \$143.08	\$134.16
Jan-16	69385	\$134.46	\$134.46	\$134.16	\$134.46	\$134.16	\$134.46	\$134.16	\$134.46	\$134.16	\$134.46	\$134.16	\$134.46	\$134.16
Feb-16	69908	\$132.09	\$132.09	\$135.07	\$132.09	\$135.07	\$132.09	\$135.07	\$132.09	\$135.07	\$132.09	\$135.07	\$132.09	\$135.07
Mar-16	70456	\$150.25	\$150.25	\$135.92	\$150.25	\$135.92	\$150.25	\$135.92	\$150.25	\$135.92	\$150.25	\$135.92	\$150.25	\$135.92
Apr-16	70383	\$130.29	\$130.29	\$135.26	\$130.29	\$135.26	\$130.29	\$135.26	\$130.29	\$135.26	\$130.29	\$135.26	\$130.29	\$135.26
May-16	70404	\$135.67	\$135.67	\$135.60	\$135.67	\$135.60	\$135.67	\$135.60	\$135.67	\$135.60	\$135.67	\$135.60	\$135.67	\$135.60
Jun-16	70540	\$141.37	\$141.37	\$135.86	\$141.37	\$135.86	\$141.37	\$135.86	\$141.37	\$135.86	\$141.37	\$135.86	\$141.37	\$135.86
Jul-16	70755	\$124.37	\$124.37	\$135.00	\$124.37	\$135.00	\$124.37	\$135.00	\$124.37	\$135.00	\$124.37	\$135.00	\$124.37	\$135.00
Aug-16	70844	\$140.30	\$140.30	\$136.41	\$140.30	\$136.41	\$140.30	\$136.41	\$140.30	\$136.41	\$140.30	\$136.41	\$140.30	\$136.41
Sep-16	70970	\$137.69	\$137.69	\$136.71	\$137.69	\$136.71	\$137.69	\$136.71	\$137.69	\$136.71	\$137.69	\$136.71	\$137.69	\$136.71
Oct-16	71146	\$139.84	\$139.84	\$136.77	\$139.84	\$136.77	\$139.84	\$136.77	\$139.84	\$136.77	\$139.84	\$136.77	\$139.84	\$136.77
Nov-16	71218	\$145.72	\$145.72	\$137.92	\$145.72	\$137.92	\$145.72	\$137.92	\$145.72	\$137.92	\$145.72	\$137.92	\$145.72	\$137.92
Dec-16	71277	\$147.52	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32
Jan-17	69490	\$149.33	\$149.33	\$139.54	\$149.33	\$139.54	\$149.33	\$139.54	\$149.33	\$139.54	\$149.33	\$139.54	\$149.33	\$139.54
Feb-17 Mar-17	69802 69572	\$131.03 \$150.55	\$131.03 \$150.55	\$139.45 \$139.47	\$131.03 \$150.55	\$139.45 \$139.47	\$131.03 \$150.55	\$139.45 \$139.47	\$131.03 \$150.55	\$139.45 \$139.47	\$131.03 \$150.55	\$139.45 \$139.47	\$131.03 \$150.55	\$139.45 \$139.47
Apr-17	69220	\$150.55	\$150.55 \$131.66	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59	\$130.55	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59
May-17	68831	\$152.63	\$151.60	\$140.98	\$151.60	\$140.98	\$152.63	\$140.98	\$151.60	\$139.39	\$151.60	\$139.39	\$151.60	\$140.98
Jun-17	68513	\$143.27	\$143.27	\$141.14	\$143.27	\$141.14	\$143.27	\$141.14	\$143.27	\$141.14	\$143.27	\$141.14	\$143.27	\$141.14
Jul-17	68188	\$129.55	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61
Aug-17	67861	\$143.74	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89
Sep-17	67472	\$138.53	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98
Oct-17	67118	\$158.32	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48
Nov-17	66790	\$153.51	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10
Dec-17	66135	\$144.46	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84
Jan-18	66135		\$154.91	\$144.27	\$153.74	\$144.17	\$154.54	\$144.24	\$153.78	\$144.17	\$148.01	\$143.71	\$149.56	\$143.83
Feb-18	66135		\$137.71	\$144.87	\$136.57	\$144.68	\$137.89	\$144.85	\$137.10	\$144.73	\$148.62	\$145.20	\$150.35	\$145.46
Mar-18	66135		\$157.77	\$145.44	\$156.44	\$145.14	\$156.97	\$145.35	\$156.19	\$145.16	\$149.22	\$145.06	\$151.14	\$145.49
Apr-18	66135		\$138.15	\$146.02	\$136.95	\$145.62	\$138.19	\$145.94	\$137.41	\$145.69	\$149.81	\$146.61	\$151.94	\$147.21
May-18 Jun-18	66135 66135		\$156.80 \$149.39	\$146.34 \$146.86	\$155.52 \$148.03	\$145.84 \$146.24	\$156.40 \$148.93	\$146.23 \$146.71	\$155.63 \$148.11	\$145.91 \$146.32	\$150.38 \$150.93	\$146.40 \$147.04	\$152.73 \$153.52	\$147.20 \$148.06
Jun-18 Jul-18	66135		\$149.39 \$134.75	\$146.86 \$147.33	\$148.03 \$133.49	\$146.24 \$146.61	\$148.93 \$134.91	\$146.71 \$147.20	\$148.11 \$134.07	\$146.32 \$146.74	\$150.93 \$151.47	\$147.04 \$148.90	\$153.52 \$154.31	\$148.06 \$150.16
Aug-18	66135		\$149.02	\$147.78	\$147.61	\$146.94	\$148.71	\$147.62	\$134.07	\$140.74	\$151.99	\$148.90	\$155.11	\$150.10
Sep-18	66135		\$149.02	\$147.78	\$147.01	\$140.34	\$146.71	\$147.02	\$147.84	\$147.08	\$152.50	\$150.78	\$155.90	\$152.58
Oct-18	66135		\$161.90	\$148.57	\$160.28	\$147.47	\$161.35	\$148.34	\$160.37	\$147.65	\$153.00	\$150.33	\$156.69	\$152.44
Nov-18	66135		\$158.09	\$148.95	\$156.33	\$147.70	\$157.51	\$148.67	\$156.43	\$147.89	\$153.48	\$150.32	\$157.49	\$152.77
Dec-18	66135		\$150.74	\$149.47	\$148.85	\$148.06	\$150.13	\$149.14	\$148.93	\$148.26	\$153.95	\$151.11	\$158.28	\$153.92
Jan-19	66135		\$159.77	\$149.87	\$156.73	\$148.31	\$158.79	\$149.50	\$156.86	\$148.52	\$154.40	\$151.65	\$159.07	\$154.71
Feb-19	66135		\$142.02	\$150.23	\$139.13	\$148.53	\$142.14	\$149.85	\$140.10	\$148.77	\$154.85	\$152.17	\$159.86	\$155.50
Mar-19	66135		\$162.70	\$150.64	\$159.26	\$148.76	\$161.22	\$150.20	\$159.10	\$149.01	\$155.28	\$152.67	\$160.66	\$156.30
Apr-19	66135		\$142.45	\$151.00	\$139.33	\$148.96	\$142.44	\$150.56	\$140.24	\$149.24	\$155.70	\$153.16	\$161.45	\$157.09
May-19	66135		\$161.67	\$151.41	\$158.12	\$149.18	\$160.65	\$150.91	\$158.38	\$149.47	\$156.11	\$153.64	\$162.24	\$157.88
Jun-19	66135		\$154.02	\$151.79	\$150.41	\$149.37	\$153.18	\$151.27	\$150.79	\$149.70	\$156.51	\$154.10	\$163.03	\$158.67
Jul-19	66135		\$138.92	\$152.14	\$135.56	\$149.55	\$139.16	\$151.62	\$136.67	\$149.91	\$156.89	\$154.56	\$163.83	\$159.47
Aug-19 Sep-19	66135 66135		\$153.61 \$148.84	\$152.52 \$152.89	\$149.82 \$145.01	\$149.73 \$149.90	\$152.96 \$148.42	\$151.98 \$152.33	\$150.37 \$145.70	\$150.12 \$150.33	\$157.27 \$157.63	\$155.00 \$155.42	\$164.62 \$165.41	\$160.26 \$161.05
Oct-19	66135		\$148.84 \$166.86	\$152.89 \$153.31	\$145.01 \$162.50	\$149.90 \$150.09	\$148.42 \$165.60	\$152.33 \$152.68	\$145.70 \$162.76	\$150.33 \$150.53	\$157.63 \$157.99	\$155.42 \$155.84	\$165.41 \$166.20	\$161.05 \$161.85
Nov-19	66135		\$160.00	\$153.51	\$158.41	\$150.09	\$163.60	\$152.00	\$158.75	\$150.53	\$157.99	\$155.84	\$166.20	\$161.65
Dec-19	66135		\$155.34	\$154.09	\$150.76	\$150.42	\$154.37	\$153.39	\$151.18	\$150.91	\$158.67	\$156.64	\$167.79	\$163.43
L			+	÷			÷	÷	4.0000	÷	+	÷	+·-///	
		Annual Trend RMSE		3.50% 7.74		<b>2.26%</b> 7.71		3.27% 7.72		2.43% 7.7		<b>4.36%</b> 7.95		<b>6.59%</b> 7.97

#### MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

						Utiliz	zation Trend Ca	lculation - 24	4 Month Time S	eries - Profes	sional			
					Damped Trer		-		Damped Trer					
			Holt-Winters' A	Aultiplicative	Multipli		Holt-Winter	s' Additive	Addit		Damped Trend	Non-Seasonal	Double Exponen	tial Smoothing
Month	Membership	Adjusted PMPM	Monthly PMPM	Rolling 12 PMPM										
Jan-16	69385	\$134.46	\$134.46		\$134.46		\$134.46		\$134.46		\$134.46		\$134.46	
Feb-16	69908	\$132.09	\$132.09		\$132.09		\$132.09		\$132.09		\$132.09		\$132.09	
Mar-16	70456	\$150.25	\$150.25		\$150.25		\$150.25		\$150.25		\$150.25		\$150.25	
Apr-16	70383	\$130.29	\$130.29		\$130.29		\$130.29		\$130.29		\$130.29		\$130.29	
May-16	70404	\$135.67	\$135.67		\$135.67		\$135.67		\$135.67		\$135.67		\$135.67	
Jun-16	70540	\$141.37	\$141.37		\$141.37		\$141.37		\$141.37		\$141.37		\$141.37	
Jul-16	70755	\$124.37	\$124.37		\$124.37		\$124.37		\$124.37		\$124.37		\$124.37	
Aug-16	70844	\$140.30	\$140.30		\$140.30		\$140.30		\$140.30		\$140.30		\$140.30	
Sep-16	70970	\$137.69	\$137.69		\$137.69		\$137.69		\$137.69		\$137.69		\$137.69	
Oct-16	71146	\$139.84	\$139.84		\$139.84		\$139.84		\$139.84		\$139.84		\$139.84	
Nov-16	71218	\$145.72	\$145.72		\$145.72		\$145.72		\$145.72		\$145.72		\$145.72	
Dec-16	71277	\$147.52	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32	\$147.52	\$138.32
Jan-17 Feb-17	69490 69802	\$149.33 \$131.03	\$149.33 \$131.03	\$139.54 \$139.45										
Mar-17	69602	\$150.55	\$150.55	\$139.45	\$150.55	\$139.45	\$151.05	\$139.45	\$150.55	\$139.43	\$150.55	\$139.43	\$150.55	\$139.45
Apr-17	69220	\$150.55	\$150.55 \$131.66	\$139.47 \$139.59	\$150.55	\$139.47 \$139.59	\$150.55	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59	\$150.55 \$131.66	\$139.47 \$139.59
May-17	68831	\$151.00	\$152.63	\$139.39	\$152.63	\$139.39	\$152.63	\$139.39	\$152.63	\$139.39	\$152.63	\$140.98	\$152.63	\$139.39
Jun-17	68513	\$143.27	\$143.27	\$140.70	\$143.27	\$140.70	\$143.27	\$140.70	\$143.27	\$140.70	\$143.27	\$140.70	\$143.27	\$141.14
Jul-17	68188	\$129.55	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61	\$129.55	\$141.61
Aug-17	67861	\$143.74	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89	\$143.74	\$141.89
Sep-17	67472	\$138.53	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98	\$138.53	\$141.98
Oct-17	67118	\$158.32	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48	\$158.32	\$143.48
Nov-17	66790	\$153.51	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10	\$153.51	\$144.10
Dec-17	66135	\$144.46	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84	\$144.46	\$143.84
Jan-18	66135		\$145.31	\$143.49	\$151.90	\$144.02	\$155.72	\$144.33	\$142.88	\$143.29	\$148.96	\$143.78	\$149.00	\$143.79
Feb-18	66135		\$140.23	\$144.29	\$137.25	\$144.59	\$148.00	\$145.77	\$139.43	\$144.03	\$149.81	\$145.37	\$149.87	\$145.38
Mar-18	66135		\$160.49	\$145.08	\$157.10	\$145.10	\$140.69	\$144.95	\$157.84	\$144.60	\$150.67	\$145.36	\$150.73	\$145.37
Apr-18	66135		\$139.98	\$145.81	\$136.98	\$145.58	\$159.88	\$147.31	\$138.10	\$145.18	\$151.52	\$147.04	\$151.59	\$147.06
May-18	66135		\$149.42	\$145.53	\$153.62	\$145.64	\$140.86	\$146.33	\$144.76	\$144.50	\$152.37	\$147.00	\$152.45	\$147.03
Jun-18	66135		\$153.10	\$146.35	\$147.88	\$146.03	\$152.02	\$147.06	\$149.36	\$145.01	\$153.23	\$147.83	\$153.31	\$147.87
Jul-18	66135		\$135.89	\$146.91	\$132.30	\$146.30	\$152.96	\$149.04	\$132.67	\$145.31	\$154.08	\$149.91	\$154.18	\$149.95
Aug-18	66135		\$153.36	\$147.72	\$147.13	\$146.59	\$137.51	\$148.54	\$148.52	\$145.71	\$154.93	\$150.86	\$155.04	\$150.91
Sep-18	66135		\$150.56	\$148.73	\$142.38	\$146.92	\$153.26	\$149.78	\$145.77	\$146.32	\$155.77	\$152.31	\$155.90	\$152.37
Oct-18	66135		\$156.95	\$148.61	\$156.93	\$146.79	\$150.22	\$149.09	\$149.30	\$145.56	\$156.62	\$152.16	\$156.76	\$152.23
Nov-18 Dec-18	66135 66135		\$161.78 \$162.19	\$149.29 \$150.77	\$154.63 \$148.47	\$146.88 \$147.21	\$158.79 \$161.32	\$149.53 \$150.94	\$154.36 \$155.36	\$145.62 \$146.53	\$157.47 \$158.32	\$152.49 \$153.65	\$157.62 \$158.49	\$152.58 \$153.75
Jan-19	66135		\$162.19 \$153.57	\$150.77 \$151.46	\$148.47 \$152.92	\$147.21	\$161.32 \$159.83	\$150.94 \$151.28	\$155.36 \$144.25	\$146.53	\$158.32 \$159.16	\$153.65	\$158.49 \$159.35	\$153.75
Feb-19	66135		\$153.57 \$148.16	\$151.46 \$152.12	\$152.92 \$138.05	\$147.30 \$147.37	\$159.83 \$156.20	\$151.28 \$151.96	\$144.25 \$140.66	\$146.64 \$146.75	\$159.16 \$160.01	\$154.50 \$155.35	\$159.35 \$160.21	\$154.61 \$155.47
Mar-19	66135		\$146.16	\$152.12	\$158.05	\$147.37	\$136.20	\$152.65	\$158.94	\$146.75	\$160.01	\$155.35	\$160.21	\$155.47
Apr-19	66135		\$169.32	\$152.67	\$137.57	\$147.43	\$148.90	\$152.65	\$138.94	\$146.84	\$160.65	\$156.19	\$161.07	\$156.33
May-19	66135		\$147.82	\$153.55	\$157.57	\$147.53	\$149.06	\$153.33	\$139.08	\$146.92 \$146.99	\$161.69	\$157.04	\$161.94	\$157.19
Jun-19	66135		\$161.60	\$154.93	\$148.36	\$147.57	\$160.22	\$154.70	\$150.14	\$147.06	\$163.38	\$158.73	\$163.66	\$158.92
Jul-19	66135		\$143.39	\$155.55	\$132.67	\$147.60	\$161.16	\$155.38	\$133.37	\$147.12	\$164.22	\$159.58	\$164.52	\$159.78
Aug-19	66135		\$161.79	\$156.26	\$147.49	\$147.63	\$145.71	\$156.06	\$149.14	\$147.17	\$165.06	\$160.42	\$165.38	\$160.64
Sep-19	66135		\$158.80	\$156.94	\$142.68	\$147.65	\$161.46	\$156.75	\$146.32	\$147.21	\$165.89	\$161.27	\$166.25	\$161.50
Oct-19	66135		\$165.50	\$157.66	\$157.22	\$147.68	\$158.42	\$157.43	\$149.80	\$147.25	\$166.73	\$162.11	\$167.11	\$162.37
Nov-19	66135		\$170.56	\$158.39	\$154.88	\$147.70	\$166.99	\$158.11	\$154.80	\$147.29	\$167.57	\$162.95	\$167.97	\$163.23
Dec-19	66135		\$170.95	\$159.12	\$148.68	\$147.72	\$169.52	\$158.80	\$155.75	\$147.32	\$168.40	\$163.79	\$168.83	\$164.09
		Annual Trend		5.18%		1.34%		5.07%		1.21%		6.71%		6.81%
		RMSE		8.05		1.34%		7.99		7.95		8.5		8.5
				0.05		0				1.75		0.5		0.5

						U	tilization Trend	Calculation	- 36 Month Tim	e Series - To	tal			
					Damped Trer				Damped Trer					
			Holt-Winters' N	Aultiplicative	Multipli	cative	Holt-Winter	s' Additive	Addit	ive	Damped Trend	Non-Seasonal	Double Exponent	tial Smoothing
Month	Membership	Adjusted PMPM	Monthly PMPM	Rolling 12 PMPM										
Jan-15	68106	\$426.89	\$426.89		\$426.89		\$426.89		\$426.89		\$426.89		\$426.89	
Feb-15	68519	\$379.10	\$379.10		\$379.10		\$379.10		\$379.10		\$379.10		\$379.10	
Mar-15	69837	\$431.50	\$431.50		\$431.50		\$431.50		\$431.50		\$431.50		\$431.50	
Apr-15	69997	\$429.78	\$429.78		\$429.78		\$429.78		\$429.78		\$429.78		\$429.78	
May-15	69359	\$399.43	\$399.43		\$399.43		\$399.43		\$399.43		\$399.43		\$399.43	
Jun-15	69361	\$428.81	\$428.81		\$428.81		\$428.81		\$428.81		\$428.81		\$428.81	
Jul-15	68847	\$417.60	\$417.60		\$417.60		\$417.60		\$417.60		\$417.60		\$417.60	
Aug-15 Sep-15	68348 68038	\$378.67 \$418.58	\$378.67 \$418.58											
Oct-15	67984	\$415.96	\$415.96		\$415.96		\$415.96		\$415.96		\$415.96		\$415.96	
Nov-15	67637	\$402.12	\$402.12		\$402.12		\$402.12		\$402.12		\$402.12		\$402.12	
Dec-15	67613	\$440.93	\$440.93	\$414.15	\$440.93	\$414.15	\$440.93	\$414.15	\$440.93	\$414.15	\$440.93	\$414.15	\$440.93	\$414.15
Jan-16	69385	\$417.45	\$417.45	\$413.38	\$417.45	\$413.38	\$417.45	\$413.38	\$417.45	\$413.38	\$417.45	\$413.38	\$417.45	\$413.38
Feb-16	69908	\$417.09	\$417.09	\$416.54	\$417.09	\$416.54	\$417.09	\$416.54	\$417.09	\$416.54	\$417.09	\$416.54	\$417.09	\$416.54
Mar-16	70456	\$461.53	\$461.53	\$419.10	\$461.53	\$419.10	\$461.53	\$419.10	\$461.53	\$419.10	\$461.53	\$419.10	\$461.53	\$419.10
Apr-16	70383	\$401.70	\$401.70	\$416.72	\$401.70	\$416.72	\$401.70	\$416.72	\$401.70	\$416.72	\$401.70	\$416.72	\$401.70	\$416.72
May-16 Jun-16	70404 70540	\$402.01 \$434.24	\$402.01 \$434.24	\$416.92 \$417.40										
Jul-16	70540	\$434.24 \$394.07	\$434.24 \$394.07	\$417.40 \$415.39										
Aug-16	70844	\$430.24	\$430.24	\$419.67	\$430.24	\$419.67	\$430.24	\$419.67	\$430.24	\$419.67	\$430.24	\$419.67	\$430.24	\$419.67
Sep-16	70970	\$415.46	\$415.46	\$419.40	\$415.46	\$419.40	\$415.46	\$419.40	\$415.46	\$419.40	\$415.46	\$419.40	\$415.46	\$419.40
Oct-16	71146	\$416.76	\$416.76	\$419.45	\$416.76	\$419.45	\$416.76	\$419.45	\$416.76	\$419.45	\$416.76	\$419.45	\$416.76	\$419.45
Nov-16	71218	\$444.82	\$444.82	\$422.98	\$444.82	\$422.98	\$444.82	\$422.98	\$444.82	\$422.98	\$444.82	\$422.98	\$444.82	\$422.98
Dec-16	71277	\$449.18	\$449.18	\$423.75	\$449.18	\$423.75	\$449.18	\$423.75	\$449.18	\$423.75	\$449.18	\$423.75	\$449.18	\$423.75
Jan-17	69490	\$443.77	\$443.77	\$425.91	\$443.77	\$425.91	\$443.77	\$425.91	\$443.77	\$425.91	\$443.77	\$425.91	\$443.77	\$425.91
Feb-17 Mar-17	69802 69572	\$399.42	\$399.42	\$424.46	\$399.42	\$424.46	\$399.42	\$424.46	\$399.42	\$424.46	\$399.42	\$424.46	\$399.42	\$424.46
Apr-17	69572	\$446.55 \$387.87	\$446.55 \$387.87	\$423.19 \$422.09										
May-17	68831	\$450.30	\$450.30	\$422.09	\$450.30	\$422.09	\$450.30	\$422.09 \$426.06	\$450.30	\$422.09 \$426.06	\$450.30	\$422.09 \$426.06	\$450.30	\$422.09
Jun-17	68513	\$424.08	\$424.08	\$425.22	\$424.08	\$425.22	\$424.08	\$425.22	\$424.08	\$425.22	\$424.08	\$425.22	\$424.08	\$425.22
Jul-17	68188	\$396.57	\$396.57	\$425.51	\$396.57	\$425.51	\$396.57	\$425.51	\$396.57	\$425.51	\$396.57	\$425.51	\$396.57	\$425.51
Aug-17	67861	\$430.95	\$430.95	\$425.56	\$430.95	\$425.56	\$430.95	\$425.56	\$430.95	\$425.56	\$430.95	\$425.56	\$430.95	\$425.56
Sep-17	67472	\$411.65	\$411.65	\$425.29	\$411.65	\$425.29	\$411.65	\$425.29	\$411.65	\$425.29	\$411.65	\$425.29	\$411.65	\$425.29
Oct-17	67118	\$466.78	\$466.78	\$429.38	\$466.78	\$429.38	\$466.78	\$429.38	\$466.78	\$429.38	\$466.78	\$429.38	\$466.78	\$429.38
Nov-17	66790	\$449.52	\$449.52	\$429.68	\$449.52	\$429.68	\$449.52	\$429.68	\$449.52	\$429.68	\$449.52	\$429.68	\$449.52	\$429.68
Dec-17	66135	\$445.26	\$445.26	\$429.24	\$445.26	\$429.24	\$445.26	\$429.24	\$445.26	\$429.24	\$445.26	\$429.24	\$445.26	\$429.24
Jan-18 Feb-18	66135 66135		\$448.87 \$410.29	\$429.60 \$430.62	\$449.13 \$411.22	\$429.62 \$430.71	\$448.81 \$411.66	\$429.59 \$430.72	\$448.75 \$411.59	\$429.59 \$430.71	\$425.90 \$425.93	\$427.73 \$430.02	\$426.04 \$426.04	\$427.74 \$430.04
Mar-18	66135		\$458.40	\$430.02	\$459.39	\$430.71	\$458.69	\$430.72 \$431.65	\$458.61	\$430.71	\$425.95	\$428.26	\$426.04	\$428.29
Apr-18	66135		\$400.57	\$432.73	\$402.06	\$433.03	\$402.72	\$433.04	\$402.63	\$433.01	\$425.95	\$431.55	\$426.03	\$431.58
May-18	66135		\$451.61	\$432.78	\$450.94	\$433.02	\$450.71	\$433.01	\$450.63	\$432.98	\$425.95	\$429.48	\$426.03	\$429.52
Jun-18	66135		\$435.91	\$433.78	\$437.01	\$434.12	\$436.89	\$434.10	\$436.78	\$434.06	\$425.95	\$429.65	\$426.03	\$429.69
Jul-18	66135		\$406.64	\$434.71	\$407.61	\$435.13	\$408.31	\$435.17	\$408.20	\$435.12	\$425.95	\$432.17	\$426.03	\$432.22
Aug-18	66135		\$439.74	\$435.45	\$439.91	\$435.88	\$439.93	\$435.92	\$439.82	\$435.86	\$425.95	\$431.75	\$426.03	\$431.81
Sep-18	66135		\$423.00	\$436.43	\$423.95	\$436.95	\$424.35	\$437.02	\$424.22	\$436.95	\$425.96	\$432.98	\$426.03	\$433.04
Oct-18	66135		\$469.05	\$436.58	\$468.44	\$437.05	\$467.95	\$437.08	\$467.83	\$437.00	\$425.96	\$429.54	\$426.03	\$429.61
Nov-18 Dec-18	66135 66135		\$458.38 \$456.89	\$437.31 \$438.28	\$458.71 \$457.88	\$437.80 \$438.85	\$458.32 \$457.44	\$437.80 \$438.82	\$458.18 \$457.28	\$437.71 \$438.71	\$425.96 \$425.96	\$427.56 \$425.95	\$426.03 \$426.03	\$427.64 \$426.03
Jan-19	66135		\$456.89 \$458.28	\$438.28	\$457.88 \$459.00	\$438.85	\$457.44 \$458.37	\$438.82 \$439.61	\$457.28 \$458.16	\$438.71 \$439.49	\$425.96	\$425.95	\$426.03	\$426.03
Feb-19	66135		\$418.87	\$439.78	\$420.23	\$440.43	\$421.23	\$440.41	\$420.99	\$440.28	\$425.96	\$425.95	\$426.03	\$426.03
Mar-19	66135		\$467.98	\$440.58	\$469.43	\$441.26	\$468.25	\$441.21	\$468.00	\$441.06	\$425.96	\$425.96	\$426.03	\$426.03
Apr-19	66135		\$408.93	\$441.27	\$410.82	\$441.99	\$412.28	\$442.00	\$412.01	\$441.84	\$425.96	\$425.96	\$426.02	\$426.03
May-19	66135		\$461.01	\$442.06	\$460.74	\$442.81	\$460.27	\$442.80	\$460.00	\$442.62	\$425.96	\$425.96	\$426.02	\$426.03
Jun-19	66135		\$444.97	\$442.81	\$446.47	\$443.60	\$446.45	\$443.60	\$446.15	\$443.40	\$425.96	\$425.96	\$426.02	\$426.03
Jul-19	66135		\$415.07	\$443.51	\$416.41	\$444.33	\$417.87	\$444.39	\$417.55	\$444.18	\$425.96	\$425.96	\$426.02	\$426.03
Aug-19 Sep-19	66135 66135		\$448.85	\$444.27	\$449.39	\$445.12	\$449.49	\$445.19	\$449.16	\$444.96	\$425.96	\$425.96	\$426.02	\$426.03
Sep-19 Oct-19	66135 66135		\$431.74 \$478.73	\$445.00 \$445.81	\$433.06 \$478.47	\$445.88 \$446.72	\$433.91 \$477.51	\$445.99 \$446.78	\$433.56 \$477.15	\$445.74 \$446.52	\$425.96 \$425.96	\$425.96 \$425.96	\$426.02 \$426.02	\$426.03 \$426.02
Nov-19	66135		\$478.73 \$467.83	\$445.81 \$446.60	\$478.47 \$468.50	\$446.72 \$447.53	\$477.51 \$467.89	\$446.78 \$447.58	\$477.15 \$467.50	\$446.52 \$447.29	\$425.96	\$425.96 \$425.96	\$426.02 \$426.02	\$426.02 \$426.02
Dec-19	66135		\$466.28	\$447.38	\$467.64	\$448.35	\$467.00	\$448.38	\$466.59	\$447.23 \$448.07	\$425.96	\$425.96	\$426.02	\$426.02
				,								,		,
		Annual Trend		2.09%		2.20%		2.20%		2.17%		-0.38%		-0.38%
		RMSE		24.04		24.01		23.97		23.97		22.93		22.93

MEDICAL TREND DEVELOPMENT UTILIZATION TREND CALCULATION

						U	tilization Trend	Calculation	- 24 Month Tim	e Series - To	tal			
			-		Damped Tren				Damped Trer					
			Holt-Winters' A	Aultiplicative	Multiplie		Holt-Winter	s' Additive	Addit		Damped Trend	Non-Seasonal	Double Exponen	tial Smoothing
Month	Membership	Adjusted PMPM	Monthly PMPM	Rolling 12 PMPM										
Jan-16	69385	\$417.45	\$417.45		\$417.45		\$417.45		\$417.45		\$417.45		\$417.45	
Feb-16	69908	\$417.09	\$417.09		\$417.09		\$417.09		\$417.09		\$417.09		\$417.09	
Mar-16	70456	\$461.53	\$461.53		\$461.53		\$461.53		\$461.53		\$461.53		\$461.53	
Apr-16	70383	\$401.70	\$401.70		\$401.70		\$401.70		\$401.70		\$401.70		\$401.70	
May-16	70404	\$402.01	\$402.01		\$402.01		\$402.01		\$402.01		\$402.01		\$402.01	
Jun-16	70540	\$434.24	\$434.24		\$434.24		\$434.24		\$434.24		\$434.24		\$434.24	
Jul-16	70755	\$394.07	\$394.07		\$394.07		\$394.07		\$394.07		\$394.07		\$394.07	
Aug-16	70844	\$430.24	\$430.24		\$430.24		\$430.24		\$430.24		\$430.24		\$430.24	
Sep-16	70970	\$415.46	\$415.46		\$415.46		\$415.46		\$415.46		\$415.46		\$415.46	
Oct-16	71146	\$416.76	\$416.76		\$416.76		\$416.76		\$416.76		\$416.76		\$416.76	
Nov-16	71218	\$444.82	\$444.82		\$444.82		\$444.82		\$444.82		\$444.82		\$444.82	
Dec-16	71277	\$449.18	\$449.18	\$423.75	\$423.75	\$421.62	\$421.62	\$421.44	\$421.44	\$421.42	\$421.42	\$421.42	\$421.42	\$421.42
Jan-17	69490	\$443.77	\$443.77	\$425.91	\$425.91	\$422.31	\$422.31	\$421.83	\$421.83	\$421.78	\$421.78	\$421.77	\$421.77	\$421.77
Feb-17 Mar-17	69802 69572	\$399.42 \$446.55	\$399.42 \$446.55	\$424.46 \$423.19	\$424.46 \$423.19	\$422.92 \$419.73	\$422.92 \$419.73	\$422.31 \$418.84	\$422.31 \$418.84	\$422.21 \$418.66	\$422.21 \$418.66	\$422.20 \$418.63	\$422.20 \$418.63	\$422.19 \$418.63
Apr-17	69220	\$446.55 \$387.87	\$446.55 \$387.87	\$423.19 \$422.09	\$423.19 \$422.09	\$419.73 \$421.42	\$419.73 \$421.42	\$418.84 \$420.48	\$418.84 \$420.48	\$418.66 \$420.22	\$418.66	\$418.63 \$420.17	\$418.63 \$420.17	\$418.63 \$420.16
May-17	68831	\$450.30	\$450.30	\$426.06	\$426.06	\$423.42	\$423.42	\$422.26	\$422.26	\$420.22	\$420.22	\$420.17	\$421.83	\$420.10
Jun-17	68513	\$424.08	\$424.08	\$425.22	\$425.22	\$422.66	\$422.66	\$421.29	\$421.29	\$420.82	\$420.82	\$420.71	\$420.71	\$420.68
Jul-17	68188	\$396.57	\$396.57	\$425.51	\$425.51	\$425.30	\$425.30	\$423.91	\$423.91	\$423.33	\$423.33	\$423.17	\$423.17	\$423.13
Aug-17	67861	\$430.95	\$430.95	\$425.56	\$425.56	\$424.90	\$424.90	\$423.45	\$423.45	\$422.75	\$422.75	\$422.53	\$422.53	\$422.48
Sep-17	67472	\$411.65	\$411.65	\$425.29	\$425.29	\$425.74	\$425.74	\$424.32	\$424.32	\$423.50	\$423.50	\$423.21	\$423.21	\$423.14
Oct-17	67118	\$466.78	\$466.78	\$429.38	\$429.38	\$426.80	\$426.80	\$425.17	\$425.17	\$424.22	\$424.22	\$423.85	\$423.85	\$423.74
Nov-17	66790	\$449.52	\$449.52	\$429.68	\$429.68	\$425.48	\$425.48	\$423.49	\$423.49	\$422.38	\$422.38	\$421.92	\$421.92	\$421.77
Dec-17	66135	\$445.26	\$445.26	\$429.24	\$429.24	\$425.93	\$425.93	\$423.85	\$423.85	\$422.58	\$422.58	\$422.01	\$422.01	\$421.82
Jan-18	66135		\$447.28	\$429.47	\$447.26	\$427.67	\$446.56	\$425.83	\$446.54	\$424.58	\$433.26	\$422.95	\$433.31	\$422.76
Feb-18	66135		\$403.10	\$429.90	\$403.08	\$425.94	\$402.70	\$424.19	\$402.67	\$422.99	\$434.67	\$423.96	\$434.73	\$423.78
Mar-18	66135		\$451.35	\$430.22	\$451.32	\$428.25	\$450.40	\$426.72	\$450.38	\$425.59	\$436.08	\$425.41	\$436.15	\$425.24
Apr-18	66135		\$392.76	\$430.79	\$392.73	\$425.86	\$392.42	\$424.36	\$392.39	\$423.31	\$437.50	\$426.85	\$437.57	\$426.68
May-18	66135		\$456.23	\$431.21	\$456.19	\$428.35	\$455.07	\$426.97	\$455.03	\$426.01	\$438.91	\$428.27	\$438.99	\$428.11
Jun-18	66135		\$430.12	\$431.73	\$430.08	\$428.76	\$429.28	\$427.53	\$429.24	\$426.68	\$440.31	\$429.90	\$440.41	\$429.76
Jul-18	66135		\$402.57	\$432.32	\$402.52	\$426.86	\$402.11	\$425.62	\$402.07	\$424.88	\$441.72	\$431.44	\$441.84	\$431.33
Aug-18	66135		\$437.86	\$432.89	\$437.80	\$427.88	\$436.85	\$426.61	\$436.80	\$425.99	\$443.13	\$433.15	\$443.26	\$433.07
Sep-18	66135		\$418.67	\$433.51	\$418.61	\$427.33	\$417.95	\$425.96	\$417.89	\$425.46	\$444.53	\$434.92	\$444.68	\$434.87
Oct-18	66135		\$474.62	\$434.12	\$474.54	\$431.09	\$472.99	\$429.81	\$472.92	\$429.43	\$445.94	\$436.74	\$446.10	\$436.74
Nov-18	66135		\$457.04	\$434.74	\$456.96	\$433.36	\$455.72	\$432.33	\$455.65	\$432.12	\$447.34	\$438.83	\$447.52	\$438.88
Dec-18 Jan-19	66135 66135		\$452.70 \$454.73	\$435.36 \$435.98	\$452.62 \$454.62	\$435.31 \$435.92	\$451.47 \$452.76	\$434.46 \$434.98	\$451.39 \$452.66	\$434.41 \$434.92	\$448.74 \$450.14	\$441.01 \$442.42	\$448.94 \$450.36	\$441.13 \$442.55
Jan-19 Feb-19	66135		\$454.73 \$409.81	\$435.98 \$436.54	\$454.62 \$409.70	\$435.92 \$436.47	\$452.76 \$408.90	\$434.98 \$435.49	\$452.66 \$408.79	\$434.92 \$435.43	\$450.14 \$451.54	\$442.42 \$443.82	\$450.36 \$451.78	\$442.55 \$443.97
Mar-19	66135		\$409.81 \$458.85	\$436.54 \$437.16	\$409.70 \$458.71	\$436.47 \$437.09	\$408.90 \$456.61	\$435.49 \$436.01	\$408.79 \$456.48	\$435.43 \$435.94	\$451.54 \$452.93	\$443.82 \$445.23	\$451.78 \$453.20	\$443.97 \$445.39
Apr-19	66135		\$458.85 \$399.28	\$437.16 \$437.71	\$458.71 \$399.15	\$437.09 \$437.63	\$398.62	\$436.01 \$436.53	\$398.49	\$435.94 \$436.45	\$452.93 \$454.33	\$445.23 \$446.63	\$453.20 \$454.62	\$445.39 \$446.81
May-19	66135		\$399.28 \$463.79	\$437.71 \$438.34	\$463.63	\$437.63 \$438.25	\$398.62 \$461.27	\$436.53 \$437.04	\$398.49 \$461.12	\$436.45 \$436.96	\$454.33 \$455.72	\$446.63 \$448.03	\$454.62 \$456.05	\$446.81 \$448.23
Jun-19	66135		\$437.24	\$438.93	\$437.08	\$438.83	\$435.48	\$437.56	\$435.32	\$430.90 \$437.47	\$457.11	\$449.43	\$457.47	\$449.65
Jul-19	66135		\$409.22	\$439.48	\$409.05	\$439.37	\$408.32	\$438.08	\$408.15	\$437.97	\$458.50	\$450.83	\$458.89	\$451.07
Aug-19	66135		\$445.09	\$440.09	\$444.89	\$439.96	\$443.05	\$438.60	\$442.87	\$438.48	\$459.89	\$452.23	\$460.31	\$452.49
Sep-19	66135		\$425.57	\$440.66	\$425.37	\$440.53	\$424.15	\$439.11	\$423.96	\$438.98	\$461.28	\$453.62	\$461.73	\$453.91
Oct-19	66135		\$482.43	\$441.31	\$482.19	\$441.16	\$479.19	\$439.63	\$478.98	\$439.49	\$462.67	\$455.02	\$463.15	\$455.34
Nov-19	66135		\$464.55	\$441.94	\$464.30	\$441.78	\$461.93	\$440.15	\$461.71	\$439.99	\$464.05	\$456.41	\$464.57	\$456.76
Dec-19	66135		\$460.14	\$442.56	\$459.87	\$442.38	\$457.67	\$440.66	\$457.44	\$440.50	\$465.44	\$457.80	\$465.99	\$458.18
		Annual Trans	•	1 5 49/		1.01%		1.06%		2 10%		4 15%		4.22%
		Annual Trend RMSE		1.54% 23.06		1.91% 23.06		1.96% 23.07		2.10% 23.08		4.15% 22.79		4.22% 22.78
		NIVISE		23.00		23.00		23.07		23.00		22.19		22.70

### MEDICAL TREND DEVELOPMENT COST CONTAINMENT STRATEGY

Goal: Reduce tota	l non-maternity inpatient admissions by	4%	
Experience Period	Non-Maternity Inpatient Admissions		
	Total Allowed Charges	\$76,784,143	
	Total Admissions	2,535	
	Average Cost per Admissions	\$30,290	
Claims incurred in	the 90 days after discharge when not a re	eadmission	
	Type of Claim	Count	Average Cost
	Office Visit	9.26	\$134.83
	Labs Services	4.30	\$219.00
	Brand Drugs Days Supply	100.49	\$9.93
	Generic Drug Days Supply	256.84	\$0.74
Savings Calculatio	n		
	Total Avoided Admissions	101	
	Average Cost	\$30,290	
	Total Avoided Inpatient Cost	\$3,059,250	
	Inpatient Admissions Replaced by:		
	Office Visits	\$126,138	
	Labs Services	\$95,191	
	Total Medical Replacement Cost	\$221,329	
	Net Avoided Medical Cost	\$2,837,921	
	Emergency Room Visit	ts	
Coole Doole on			
Goal: Replace	Emergency Room Visit 5% of Emergency Room visits by Primary (		
-	5% of Emergency Room visits by Primary (		
-	5% of Emergency Room visits by Primary ( Type of Claim	Care Provider visits Count	Average Cost
-	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit	Care Provider visits Count 15,277	\$1,740.69
-	5% of Emergency Room visits by Primary ( Type of Claim	Care Provider visits Count	-
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit	Care Provider visits Count 15,277	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit	Care Provider visits Count 15,277	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits Average Cost	Care Provider visits Count 15,277 215,523 763.85 \$1,741	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits	Care Provider visits Count 15,277 215,523 763.85	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits Average Cost	Care Provider visits Count 15,277 215,523 763.85 \$1,741	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost	Care Provider visits Count 15,277 215,523 763.85 \$1,741	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by:	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: Primary Care Provider office visit	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667	\$1,740.69
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <b>Net Avoided Medical Cost</b>	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962	\$1,740.69 \$106.92
Experience Period	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962	\$1,740.69 \$106.92
Experience Period Savings Calculatio	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <b>Net Avoided Medical Cost</b>	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962	\$1,740.69 \$106.92
Experience Period Savings Calculatio	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <u>Net Avoided Medical Cost</u> <u>mpact of Cost Containment Strategy on Me</u> dical Allowed Charges avings from Inpatient Admissions Reductio	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 <b>\$1,247,962</b> edical Utilization Tren \$377,320,017 n	\$1,740.69 \$106.92 Id -\$2,837,921
Experience Period Savings Calculatio	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <u>Net Avoided Medical Cost</u> <u>mpact of Cost Containment Strategy on Me</u> dical Allowed Charges avings from Inpatient Admissions Reductio avings from Emergency Room Visits Reductio	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962 edical Utilization Tren \$377,320,017 n tion	\$1,740.69 \$106.92 Id -\$2,837,921 -\$1,247,962
Experience Period Savings Calculatio	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <u>Net Avoided Medical Cost</u> <u>mpact of Cost Containment Strategy on Me</u> dical Allowed Charges avings from Inpatient Admissions Reductio	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962 edical Utilization Tren \$377,320,017 n tion	\$1,740.69 \$106.92 Id -\$2,837,921 -\$1,247,962
Experience Period Savings Calculatio Ir CY 2017 Total Med Si Si T	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <u>Net Avoided Medical Cost</u> <u>net Avoided Medical Cost</u> <u>net Avoided Charges</u> avings from Inpatient Admissions Reductio avings from Emergency Room Visits Reduction avings from Emergency Room Visits Reduction avings from Cost Containment Strategy	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962 edical Utilization Tren \$377,320,017 n tion	\$1,740.69 \$106.92 Id -\$2,837,921 -\$1,247,962
Experience Period Savings Calculatio Ir CY 2017 Total Med Si Si T	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <u>Net Avoided Medical Cost</u> <u>net Avoided Medical Cost</u> <u>net Avoided Charges</u> avings from Inpatient Admissions Reductio avings from Emergency Room Visits Reduction avings from Emergency Room Visits Reduction avings from Cost Containment Strategy	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 \$81,667 \$81,667 \$1,247,962 edical Utilization Tren \$377,320,017 n tion	\$1,740.69 \$106.92 Id -\$2,837,921
Savings Calculatio	5% of Emergency Room visits by Primary ( Type of Claim Emergency Room visit Primary Care Provider office visit n Total Avoided ER visits <u>Average Cost</u> Total Avoided Emergency Room Cost Emergency Room Replaced by: <u>Primary Care Provider office visit</u> Total Medical Replacement Cost <u>Net Avoided Medical Cost</u> mpact of Cost Containment Strategy on Medical Allowed Charges avings from Inpatient Admissions Reduction avings from Emergency Room Visits Reduction avings from Emergency Room Visits Reduction avings from Emergency Room Visits Reduction avings from Inpatient Admissions Reduction avings from Emergency Room Visits Reduction avings from Trend	Care Provider visits Count 15,277 215,523 763.85 \$1,741 \$1,329,629 <u>\$81,667</u> \$81,667 <b>\$1,247,962</b> edical Utilization Tren \$377,320,017 n tion 2gy 2.00%	\$1,740.69 \$106.92 Id -\$2,837,921 -\$1,247,962 -\$4,085,883

### PHARMACY TREND DEVELOPMENT NON-SPECIALTY UTILIZATION TREND CALCULATION

					Monthly Comp	oleted Days Supply				Days Supply	per Members
Month	Membership	Generic	New Generics	Brands Going Generic	Brand	Compound	отс	Vaccines	Total Days Supply	Monthly	Annual
Jan-15	68,167	1,654,861	0	36,648	167,485	836	37,552	782	1,898,164	27.85	
Feb-15	68,581	1,586,914	6,981	35,486	159,026	1,321	34,412	554	1,824,694	26.61	
Mar-15	69,902	1,792,730	22,795	40,217	185,334	1,281	40,650	316	2,083,323	29.80	
Apr-15	70,062	1,682,921	34,094	37,980	179,743	1,405	45,120	174	1,981,437	28.28	
May-15	69,425	1,694,962	51,061	39,623	171,239	1,368	42,505	209	2,000,967	28.82	
Jun-15	69,428	1,702,807	68,194	39,071	177,962	1,946	47,402	317	2,037,699	29.35	
Jul-15	68,915	1,643,988	87,449	38,047	179,492	1,651	44,625	315	1,995,567	28.96	
Aug-15	68,414	1,621,645	118,530	39,433	172,179	1,821	41,325	462	1,995,396	29.17	
Sep-15	68,104	1,588,596	147,004	40,143	175,092	1,740	44,486	1,673	1,998,733	29.35	
Oct-15	68,048	1,608,208	156,681	44,208	195,332	2,012	46,069	4,326	2,056,836	30.23	
Nov-15	67,698	1,567,806	162,412	41,334	178,205	2,224	43,486	2,317	1,997,784	29.51	
Dec-15	67,672	1,723,238	191,119	50,885	214,852	2,236	50,588	1,027	2,233,945	33.01	29.24
Jan-16	69,453	1,531,095	174,879	35,447	159,940	1,979	40,366	870	1,944,576	28.00	29.25
Feb-16	69,976	1,534,271	186,525	36,973	161,013	1,958	42,044	537	1,963,321	28.06	29.37
Mar-16	70,523	1,689,757	206,549	43,457	190,877	2,112	49,749	376	2,182,877	30.95	29.47
Apr-16	70,450	1,538,245	207,723	35,176	164,985	1,801	44,680	340	1,992,950	28.29	29.47
May-16	70,471	1,566,495	251,148	39,066	167,847	2,184	48,121	389	2,075,250	29.45	29.52
Jun-16	70,607	1,565,088	277,970	39,069	166,258	2,271	48,239	473	2,099,368	29.73	29.55
Jul-16	70,821	1,509,913	289,695	35,122	162,240	2,502	47,985	317	2,047,774	28.91	29.55
Aug-16	70,910	1,551,054	338,659	40,391	172,193	1,885	49,316	544	2,154,042	30.38	29.65
Sep-16	71,037	1,477,790	365,912	41,117	174,265	2,282	50,858	1,881	2,114,105	29.76	29.68
Oct-16	71,211	1,500,194	414,278	43,032	170,911	2,561	53,563	3,754	2,188,293	30.73	29.73
Nov-16	71,283	1,449,425	439,415	46,210	171,817	2,043	53,845	2,230	2,164,985	30.37	29.80
Dec-16	71,339	1,529,490	514,437	52,137	194,500	2,446	58,198	1,117	2,352,325	32.97	29.81
Jan-17	69,561	1,375,654	490,598	37,728	150,544	2,148	44,390	1,086	2,102,148	30.22	29.99
Feb-17	69,874	1,260,451	455,336	34,735	143,374	2,151	40,992	593	1,937,632	27.73	29.96
Mar-17	69,644	1,411,998	533,891	40,657	170,723	2,070	48,393	575	2,208,307	31.71	30.02
Apr-17	69,292	1,260,164	514,719	34,075	147,834	1,976	45,320	242	2,004,330	28.93	30.08
May-17	68,904	1,360,661	588,785	38,031	170,888	2,290	56,204	324	2,217,183	32.18	30.30
Jun-17	68,586	1,280,237	574,560	36,247	159,109	2,324	47,185	327	2,099,989	30.62	30.38
Jul-17	68,259	1,238,565	572,758	33,833	156,788	2,335	49,724	170	2,054,173	30.09	30.48
Aug-17	67,932	1,277,993	633,135	34,882	166,452	2,402	52,862	726	2,168,452	31.92	30.60
Sep-17	67,540	1,166,576	585,389	36,226	155,407	2,758	50,613	1,570	1,998,539	29.59	30.59
Oct-17	67,184	1,253,289	651,979	41,754	177,547	2,472	55,668	4,086	2,186,795	32.55	30.74
Nov-17	66,853	1,214,893	642,123	38,161	173,421	2,683	55,739	2,522	2,129,542	31.85	30.86
Dec-17	66,195	1,237,758	645,449	45,048	191,742	2,749	61,813	1,456	2,186,015	33.02	30.85

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase 1.9% 3.5%

### PHARMACY TREND DEVELOPMENT NON-SPECIALTY UTILIZATION TREND CALCULATION

		Adjustments for Benefits and Aging							
		Paid to	Induced	Normalized	Average	Normalized	Total		
		Allowed Ratio	Utilization	Induced	Age/Gender	Age/Gender	Normalized	Monthly	Annual
Month	Membership	Allowed Natio	otitization	Utilization	Factor	Factor	Factor		
Jan-15	68,167	76.4%	1.060	1.024	1.245	1.020	1.044	29.06	
Feb-15	68,581	76.6%	1.061	1.023	1.245	1.020	1.043	27.75	
Mar-15	69,902	76.6%	1.061	1.023	1.245	1.020	1.043	31.07	
Apr-15	70,062	77.0%	1.063	1.021	1.247	1.018	1.039	29.38	
May-15	69,425	77.3%	1.065	1.019	1.249	1.016	1.035	29.83	
Jun-15	69,428	77.6%	1.066	1.017	1.251	1.014	1.032	30.29	
Jul-15	68,915	77.9%	1.068	1.016	1.252	1.013	1.030	29.81	
Aug-15	68,414	78.2%	1.069	1.015	1.253	1.013	1.028	29.98	
Sep-15	68,104	78.3%	1.070	1.014	1.256	1.011	1.025	30.07	
Oct-15	68,048	78.5%	1.071	1.013	1.257	1.010	1.023	30.92	
Nov-15	67,698	78.6%	1.072	1.012	1.257	1.009	1.022	30.15	
Dec-15	67,672	78.8%	1.073	1.011	1.259	1.008	1.020	33.66	30.16
Jan-16	69,453	78.8%	1.073	1.011	1.253	1.013	1.024	28.67	30.13
Feb-16	69,976	78.7%	1.072	1.012	1.253	1.013	1.025	28.75	30.21
Mar-16	70,523	78.6%	1.072	1.012	1.252	1.013	1.026	31.75	30.27
Apr-16	70,450	78.5%	1.071	1.013	1.253	1.013	1.026	29.03	30.24
May-16	70,471	78.4%	1.071	1.013	1.254	1.012	1.025	30.20	30.27
Jun-16	70,607	78.4%	1.071	1.013	1.257	1.010	1.023	30.41	30.28
Jul-16	70,821	78.5%	1.071	1.013	1.259	1.008	1.021	29.53	30.25
Aug-16	70,910	78.5%	1.071	1.013	1.259	1.008	1.020	30.99	30.34
Sep-16	71,037	78.6%	1.072	1.012	1.261	1.007	1.019	30.33	30.36
Oct-16	71,211	78.8%	1.073	1.011	1.262	1.006	1.017	31.26	30.39
Nov-16	71,283	78.9%	1.073	1.011	1.262	1.005	1.016	30.86	30.45
Dec-16	71,339	79.0%	1.074	1.010	1.265	1.003	1.013	33.41	30.44
Jan-17	69,561	78.9%	1.073	1.011	1.265	1.004	1.014	30.66	30.60
Feb-17	69,874	79.0%	1.074	1.010	1.264	1.004	1.014	28.11	30.55
Mar-17	69,644	79.1%	1.075	1.010	1.265	1.003	1.013	32.12	30.58
Apr-17	69,292	79.3%	1.076	1.009	1.265	1.003	1.012	29.27	30.60
May-17	68,904	79.5%	1.077	1.007	1.267	1.002	1.009	32.48	30.79
Jun-17	68,586	79.6%	1.078	1.007	1.268	1.001	1.008	30.86	30.82
Jul-17	68,259	79.9%	1.079	1.005	1.267	1.001	1.007	30.30	30.89
Aug-17	67,932	80.1%	1.080	1.004	1.267	1.002	1.006	32.11	30.98
Sep-17	67,540	80.2%	1.081	1.003	1.267	1.002	1.005	29.73	30.94
Oct-17	67,184	80.4%	1.083	1.002	1.268	1.001	1.003	32.65	31.05
Nov-17	66,853	80.6%	1.084	1.001	1.268	1.001	1.002	31.90	31.13
Dec-17	66,195	80.8%	1.085	1.000	1.269	1.000	1.000	33.02	31.09

	Regression on	Regression on
	Adjusted PMPM - 36	Adjusted PMPM - 24
Month	Months	Months
Jan-15	\$29.47	\$28.42
Feb-15	\$29.53	\$28.52
Mar-15	\$29.59	\$28.61
Apr-15	\$29.65	\$28.70
May-15	\$29.71	\$28.80
Jun-15	\$29.77	\$28.89
Jul-15	\$29.83	\$28.99
Aug-15	\$29.89	\$29.09
Sep-15	\$29.95	\$29,19
Oct-15	\$30.01	\$29.28
Nov-15	\$30.07	\$29.38
Dec-15	\$30.13	\$29.48
Jan-16	\$30.20	\$29,58
Feb-16	\$30.26	\$29.68
Mar-16	\$30.32	\$29.77
Apr-16	\$30.38	\$29.88
May-16	\$30,44	\$29.97
Jun-16	\$30,50	\$30.08
Jul-16	\$30.56	\$30.17
Aug-16	\$30.63	\$30.28
Sep-16	\$30.69	\$30.38
Oct-16	\$30.75	\$30.48
Nov-16	\$30.81	\$30.58
Dec-16	\$30.88	\$30.68
Jan-17	\$30.94	\$30.79
Feb-17	\$31.00	\$30.89
Mar-17	\$31.06	\$30.99
Apr-17	\$31.13	\$31.09
May-17	\$31.19	\$31.20
Jun-17	\$31.25	\$31.30
Jul-17	\$31.32	\$31.40
Aug-17	\$31.38	\$31.51
Sep-17	\$31.44	\$31.62
Oct-17	\$31.51	\$31.72
Nov-17	\$31.57	\$31.83
Dec-17	\$31.64	\$31.93

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase 0.9% 2.1%

4.1%

Regression on A	Adjusted	PSSION ON PMPM - 24 Onths	
1.000	1.800	1.000	0.287
0.000	0.956	0.000	1.746
0.205	0.043	0.246	0.042
8.763	34.000	7.168	22.000

2.5%

#### PHARMACY TREND DEVELOPMENT

#### GENERIC COST TREND

	"Old" Generics			New Generics			All Generics		
Month	Days Supply	Average Wholesale Price	Cost per Days Supply	Days Supply	Average Wholesale Price	Cost per Days Supply	Days Supply	Average Wholesale Price	Cost per Day Supply
Jan-15	1,654,861	\$5,753,929	\$3.48	0	\$0		1,654,861	\$5,753,929	\$3.48
Feb-15	1,586,914	\$5,524,644	\$3.48	6,981	\$45,298	\$6.49	1,593,895	5,569,942	\$3.49
Mar-15	1,792,730	\$6,345,030	\$3.54	22,795	\$106,616	\$4.68	1,815,525	6,451,646	\$3.55
Apr-15	1,682,921	\$5,991,180	\$3.56	34,094	\$150,409	\$4.41	1,717,015	6,141,588	\$3.58
May-15	1,694,962	\$5,913,153	\$3.49	51,061	\$318,506	\$6.24	1,746,023	6,231,659	\$3.57
Jun-15	1,702,807	\$5,973,742	\$3.51	68,194	\$377,034	\$5.53	1,771,001	6,350,776	\$3.59
Jul-15	1,643,988	\$5,834,358	\$3.55	87,449	\$504,796	\$5.77	1,731,437	6,339,154	\$3.66
Aug-15	1,621,645	\$5,682,329	\$3.50	118,530	\$600,302	\$5.06	1,740,175	6,282,632	\$3.61
Sep-15	1,588,596	\$5,639,125	\$3.55	147,004	\$721,010	\$4.90	1,735,599	6,360,134	\$3.66
Oct-15	1,608,208	\$5,813,057	\$3.61	156,681	\$788,051	\$5.03	1,764,889	6,601,108	\$3.74
Nov-15	1,567,806	\$5,586,944	\$3.56	162,412	\$835,823	\$5.15	1,730,218	6,422,767	\$3.71
Dec-15	1,723,238	\$6,205,203	\$3.60	191,119	\$980,740	\$5.13	1,914,357	7,185,944	\$3.75
Jan-16	1,531,095	\$5,363,575	\$3.50	174,879	\$892,449	\$5.10	1,705,974	6,256,024	\$3.67
Feb-16	1,534,271	\$5,369,205	\$3.50	186,525	\$954,691	\$5.12	1,720,796	6,323,896	\$3.67
Mar-16	1,689,757	\$6,000,835	\$3.55	206,549	\$1,087,595	\$5.27	1,896,306	7,088,429	\$3.74
Apr-16	1,538,245	\$5,407,359	\$3.52	207,723	\$1,069,337	\$5.15	1,745,968	6,476,697	\$3.71
May-16	1,566,495	\$5,521,021	\$3.52	251,148	\$1,319,590	\$5.25	1,817,643	6,840,610	\$3.76
Jun-16	1,565,088	\$5,459,006	\$3.49	277,970	\$1,396,612	\$5.02	1,843,058	6,855,617	\$3.72
Jul-16	1,509,913	\$5,324,100	\$3.53	289,695	\$1,419,869	\$4.90	1,799,608	6,743,969	\$3.75
Aug-16	1,551,054	\$5,507,286	\$3.55	338,659	\$1,644,184	\$4.85	1,889,713	7,151,469	\$3.78
Sep-16	1,477,790	\$5,284,188	\$3.58	365,912	\$1,670,647	\$4.57	1,843,702	6,954,835	\$3.77
Oct-16	1,500,194	\$5,407,080	\$3.60	414,278	\$1,957,758	\$4.73	1,914,472	7,364,838	\$3.85
Nov-16	1,449,425	\$5,197,364	\$3.59	439,415	\$2,015,286	\$4.59	1,888,840	7,212,650	\$3.82
Dec-16	1,529,490	\$5,588,823	\$3.65	514,437	\$2,330,254	\$4.53	2,043,927	7,919,077	\$3.87
Jan-17	1,375,654	\$4,927,764	\$3.58	490,598	\$2,189,180	\$4.46	1,866,252	7,116,945	\$3.81
Feb-17	1,260,451	\$4,545,109	\$3.61	455,336	\$2,092,205	\$4.59	1,715,787	6,637,314	\$3.87
Mar-17	1,411,998	\$5,113,796	\$3.62	533,891	\$2,436,253	\$4.56	1,945,889	7,550,048	\$3.88
Apr-17	1,260,164	\$4,519,029	\$3.59	514,719	\$2,356,842	\$4.58	1,774,883	6,875,871	\$3.87
May-17	1,360,661	\$4,927,674	\$3.62	588,785	\$2,709,583	\$4.60	1,949,446	7,637,257	\$3.92
Jun-17	1,280,237	\$4,662,204	\$3.64	574,560	\$2,593,468	\$4.51	1,854,797	7,255,673	\$3.91
Jul-17	1,238,565	\$4,544,797	\$3.67	572,758	\$2,612,693	\$4.56	1,811,323	7,157,490	\$3.95
Aug-17	1,277,993	\$4,714,142	\$3.69	633,135	\$2,867,764	\$4.53	1,911,128	7,581,906	\$3.97
Sep-17	1,166,576	\$4,371,949	\$3.75	585,389	\$2,661,787	\$4.55	1,751,965	7,033,736	\$4.01
Oct-17	1,253,289	\$4,638,350	\$3.70	651,979	\$3,069,225	\$4.71	1,905,268	7,707,575	\$4.05
Nov-17	1,214,893	\$4,510,661	\$3.71	642,123	\$2,992,007	\$4.66	1,857,016	7,502,668	\$4.04
Dec-17	1,237,758	\$4,659,033	\$3.76	645,449	\$3,091,118	\$4.79	1,883,207	7,750,150	\$4.12

MOTICIT		
Jan-15	\$3.48	\$3.37
Feb-15	\$3.48	\$3.38
Mar-15	\$3.49	\$3.39
Apr-15	\$3.50	\$3.40
May-15	\$3.50	\$3.41
Jun-15	\$3.51	\$3.42
Jul-15	\$3.51	\$3.43
Aug-15	\$3.52	\$3.44
Sep-15	\$3.53	\$3.45
Oct-15	\$3.53	\$3.46
Nov-15	\$3.54	\$3.47
Dec-15	\$3.54	\$3.48
Jan-16	\$3.55	\$3.49
Feb-16	\$3.55	\$3.50
Mar-16	\$3.56	\$3.51
Apr-16	\$3.57	\$3.52
May-16	\$3.57	\$3.53
Jun-16	\$3.58	\$3.54
Jul-16	\$3.58	\$3.55
Aug-16	\$3.59	\$3.56
Sep-16	\$3.60	\$3.57
Oct-16	\$3.60	\$3.58
Nov-16	\$3.61	\$3.59
Dec-16	\$3.61	\$3.60
Jan-17	\$3.62	\$3.61
Feb-17	\$3.63	\$3.62
Mar-17	\$3.63	\$3.63
Apr-17	\$3.64	\$3.64
May-17	\$3.64	\$3.65
Jun-17	\$3.65	\$3.66
Jul-17	\$3.66	\$3.67
Aug-17	\$3.66	\$3.68
Sep-17	\$3.67	\$3.69
Oct-17	\$3.67	\$3.71
Nov-17	\$3.68	\$3.72
Dec-17	\$3.69	\$3.73

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase

3.2%

-5.1%

4.0% 5.0%

3.5%

Regression on Cost per Days Supply on "Old" Generics

24 Months

36 Months

Month

Regression on Co on "Old" Gen	per Days	on on Cost Supply on Generics-	
1.000	1.000 0.351		0.061
0.000	0.275	0.000	0.334
0.678 0.012		0.872	0.008
71.662	71.662 34.000		

2.0%

#### PHARMACY TREND DEVELOPMENT

#### BRAND COST TREND

		All Other Brands		Brands Going	Generic, Vaccines a	and Compounds		Over the Counter			All Brands				Days Supply on All Other Is Only
Month	Days Supply	Average Wholesale Price	Cost per Days Supply	Days Supply	Average Wholesale Price	Cost per Days Supply	Days Supply	Average Wholesale Price	Cost per Days Supply	Days Supply	Average Wholesale Price	Cost per Days Supply	Month	36 Months	24 Months
Jan-15	167,485	\$1,929,293	\$11.52	38,266	\$317,298	\$8.29	37,552	\$90,200	\$2.40	205,751	\$2,246,590	\$10.92	Jan-15	\$11.68	\$11.72
Feb-15	159,026	\$1,892,291	\$11.90	37,361	\$312,563	\$8.37	34,412	\$91,676	\$2.66	196,387	2,204,854	\$11.23	Feb-15	\$11.80	\$11.84
Mar-15	185,334	\$2,233,699	\$12.05	41,814	\$362,524	\$8.67	40,650	\$95,572	\$2.35	227,148	2,596,224	\$11.43	Mar-15	\$11.90	\$11.95
Apr-15	179,743	\$2,207,659	\$12.28	39,559	\$352,076	\$8.90	45,120	\$122,914	\$2.72	219,302	2,559,736	\$11.67	Apr-15	\$12.02	\$12.06
May-15	171,239	\$2,076,272	\$12.12	41,200	\$388,920	\$9.44	42,505	\$100,506	\$2.36	212,439	2,465,192	\$11.60	May-15	\$12.14	\$12.18
Jun-15	177,962	\$2,202,376	\$12.38	41,334	\$429,330	\$10.39	47,402	\$115,557	\$2.44	219,296	2,631,705	\$12.00	Jun-15	\$12.26	\$12.30
Jul-15	179,492	\$2,185,100	\$12.17	40,013	\$409,253	\$10.23	44,625	\$117,788	\$2.64	219,505	2,594,354	\$11.82	Jul-15	\$12.38	\$12.42
Aug-15	172,179	\$2,121,989	\$12.32	41,716	\$446,432	\$10.70	41,325	\$107,742	\$2.61	213,895	2,568,422	\$12.01	Aug-15	\$12.51	\$12.54
Sep-15	175,092	\$2,244,803	\$12.82	43,556	\$462,765	\$10.62	44,486	\$112,672	\$2.53	218,648	2,707,568	\$12.38	Sep-15	\$12.63	\$12.66
Oct-15	195,332	\$2,353,102	\$12.05	50,546	\$506,322	\$10.02	46,069	\$110,513	\$2.40	245,878	2,859,424	\$11.63	Oct-15	\$12.75	\$12.79
Nov-15	178,205	\$2,340,288	\$13.13	45,875	\$469,285	\$10.23	43,486	\$108,491	\$2.49	224,080	2,809,573	\$12.54	Nov-15	\$12.88	\$12.91
Dec-15	214,852	\$2,798,743	\$13.03	54,148	\$576,773	\$10.65	50,588	\$135,827	\$2.68	269,000	3,375,516	\$12.55	Dec-15	\$13.01	\$13.04
Jan-16	159,940	\$2,068,992	\$12.94	38,296	\$390,625	\$10.20	40,366	\$92,696	\$2.30	198,236	2,459,617	\$12.41	Jan-16	\$13.14	\$13.17
Feb-16	161,013	\$2,133,114	\$13.25	39,468	\$397,637	\$10.07	42,044	\$101,675	\$2.42	200,481	2,530,751	\$12.62	Feb-16	\$13.27	\$13.30
Mar-16	190,877	\$2,496,776	\$13.08	45,945	\$494,357	\$10.76	49,749	\$113,725	\$2.29	236,822	2,991,133	\$12.63	Mar-16	\$13.39	\$13.42
Apr-16	164,985	\$2,289,808	\$13.88	37,317	\$382,143	\$10.24	44,680	\$103,327	\$2.31	202,302	2,671,951	\$13.21	Apr-16	\$13.53	\$13.55
May-16	167,847	\$2,210,707	\$13.17	41,639	\$501,238	\$12.04	48,121	\$113,589	\$2.36	209,486	2,711,944	\$12.95	May-16	\$13.66	\$13.68
Jun-16	166,258	\$2,328,013	\$14.00	41,813	\$636,266	\$15.22	48,239	\$114,784	\$2.38	208,071	2,964,279	\$14.25	Jun-16	\$13.80	\$13.82
Jul-16	162,240	\$2,355,964	\$14.52	37,941	\$526,995	\$13.89	47,985	\$117,916	\$2.46	200,181	2,882,959	\$14.40	Jul-16	\$13.93	\$13.95
Aug-16	172,193	\$2,424,173	\$14.08	42,820	\$542,982	\$12.68	49,316	\$118,169	\$2.40	215,013	2,967,155	\$13.80	Aug-16	\$14.07	\$14.09
Sep-16	174,265	\$2,444,899	\$14.03	45,280	\$563,583	\$12.45	50,858	\$122,437	\$2.41	219,545	3,008,482	\$13.70	Sep-16	\$14.21	\$14.23
Oct-16	170,911	\$2,441,966	\$14.29	49,347	\$606,585	\$12.29	53,563	\$128,031	\$2.39	220,258	3,048,551	\$13.84	Oct-16	\$14.35	\$14.36
Nov-16	171,817	\$2,483,019	\$14.45	50,483	\$595,377	\$11.79	53,845	\$131,481	\$2.44	222,300	3,078,396	\$13.85	Nov-16	\$14.49	\$14.51
Dec-16	194,500	\$2,896,376	\$14.89	55,700	\$709,249	\$12.73	58,198	\$150,159	\$2.58	250,200	3,605,626	\$14.41	Dec-16	\$14.63	\$14.64
Jan-17	150,544	\$2,207,333	\$14.66	40,962	\$1,262,480	\$30.82	44,390	\$100,254	\$2.26	191,506	3,469,814	\$18.12	Jan-17	\$14.78	\$14.79
Feb-17	143,374	\$2,163,681	\$15.09	37,479	\$433,748	\$11.57	40,992	\$101,811	\$2.48	180,853	2,597,429	\$14.36	Feb-17	\$14.93	\$14.94
Mar-17	170,723	\$2,583,056	\$15.13	43,302	\$1,307,028	\$30.18	48,393	\$115,306	\$2.38	214,025	3,890,084	\$18.18	Mar-17	\$15.06	\$15.07
Apr-17	147,834	\$2,317,570	\$15.68	36,293	\$407,547	\$11.23	45,320	\$97,622	\$2.15	184,127	2,725,117	\$14.80	Apr-17	\$15.21	\$15.22
May-17	170,888	\$2,665,277	\$15.60	40,645	\$481,324	\$11.84	56,204	\$135,137	\$2.40	211,533	3,146,601	\$14.88	May-17	\$15.36	\$15.36
Jun-17	159,109	\$2,461,048	\$15.47	38,898	\$460,018	\$11.83	47,185	\$113,124	\$2.40	198,007	2,921,066	\$14.75	Jun-17	\$15.52	\$15.52
Jul-17	156,788	\$2,514,343	\$16.04	36,338	\$445,564	\$12.26	49,724	\$119,440	\$2.40	193,126	2,959,907	\$15.33	Jul-17	\$15.67	\$15.67
Aug-17	166,452	\$2,640,216	\$15.86	38,010	\$456,671	\$12.01	52,862	\$128,287	\$2.43	204,462	3,096,887	\$15.15	Aug-17	\$15.82	\$15.82
Sep-17	155,407	\$2,533,851	\$16.30	40,554	\$454,984	\$11.22	50,613	\$132,209	\$2.61	195,961	2,988,835	\$15.25	Sep-17	\$15.98	\$15.98
Oct-17	177,547	\$2,799,552	\$15.77	48,312	\$564,551	\$11.69	55,668	\$144,137	\$2.59	225,859	3,364,103	\$14.89	Oct-17	\$16.14	\$16.13
Nov-17	173,421	\$2,745,580	\$15.83	43,366	\$1,282,783	\$29.58	55,739	\$133,314	\$2.39	216,787	4,028,363	\$18.58	Nov-17	\$16.30	\$16.29
Dec-17	191,742	\$3,066,520	\$15.99	49,253	\$2,151,608	\$43.68	61,813	\$160,234	\$2.59	240,995	5,218,128	\$21.65	Dec-17	\$16.46	\$16.45
	2015 Annual Ir		12.7%						-5.1%			14.2%			
CY2017 / CY	2016 Annual Ir	ncrease	12.5%			63.1%			1.4%			21.6%		12.5%	12.3%

	ost per Days Supply ands Only-36 Months	per Days S	on on Cost Supply on All rands Only-
1.000	0.000	1.000	0.000
0.000	0.471	0.000	0.869
0.961	0.021	0.917	0.021
845.549	34,000	244.466	22.000

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#### PHARMACY TREND DEVELOPMENT SPECIALTY TREND CALCULATIONS

		Allowed Charges			Allowed Charges Adjusted for Contract		PMP	M Adjusted for Cont	ract	Rolling 12 PMPM Adjusted for Contract				
					Adjustment for									
		All Other	New	Total	Contract	All Other	New	Total	All Other	New	Total	All Other	New	Total
Month	Membership	Specialty	Treatments <sup>1</sup>			Specialty	Treatments <sup>1</sup>		Specialty	Treatments <sup>1</sup>		Specialty	Treatments <sup>1</sup>	
Jan-15	68,167	\$2,237,734	\$0	\$2,237,734	0.975	\$2,181,927	\$0	\$2,181,927	\$32.01	\$0.00	\$32.01			
Feb-15	68,581	2,158,385	\$0	\$2,158,385	0.975	\$2,103,758	\$0	\$2,103,758	\$30.68	\$0.00	\$30.68			
Mar-15	69,902	2,372,662	\$0	\$2,372,662	0.975	\$2,312,171	\$0	\$2,312,171	\$33.08	\$0.00	\$33.08			
Apr-15	70,062	2,256,227	\$0	\$2,256,227	0.975	\$2,198,722	\$0	\$2,198,722	\$31.38	\$0.00	\$31.38			
May-15	69,425	2,299,118	\$0	\$2,299,118	0.975	\$2,241,398	\$0	\$2,241,398	\$32.29	\$0.00	\$32.29			
Jun-15	69,428	2,161,320	\$0	\$2,161,320	0.974	\$2,105,018	\$0	\$2,105,018	\$30.32	\$0.00	\$30.32			
Jul-15	68,915	2,128,347	\$20,561	\$2,148,909	1.000	\$2,128,347	\$20,561	\$2,148,909	\$30.88	\$0.30	\$31.18			
Aug-15	68,414	2,097,313	\$82,245	\$2,179,559	1.000	\$2,097,313	\$82,245	\$2,179,559	\$30.66	\$1.20	\$31.86			
Sep-15	68,104	2,128,778	\$83,392	\$2,212,170	1.000	\$2,128,778	\$83,392	\$2,212,170	\$31.26	\$1.22	\$32.48			
Oct-15	68,048	2,162,453	\$103,952	\$2,266,405	1.000	\$2,162,453	\$103,952	\$2,266,405	\$31.78	\$1.53	\$33.31			
Nov-15	67,698	2,133,322	\$65,121	\$2,198,443	1.000	\$2,133,322	\$65,121	\$2,198,443	\$31.51	\$0.96	\$32.47			
Dec-15	67,672	2,200,790	\$62,829	\$2,263,619	1.000	\$2,200,790	\$62,829	\$2,263,619	\$32.52	\$0.93	\$33.45	\$31.53	\$0.51	\$32.04
Jan-16	69,453	1,673,521	\$83,391	\$1,756,911	1.000	\$1,673,521	\$83,391	\$1,756,911	\$24.10	\$1.20	\$25.30	\$30.87	\$0.61	\$31.47
Feb-16	69,976	2,102,406	\$155,355	\$2,257,761	1.000	\$2,102,406	\$155,355	\$2,257,761	\$30.04	\$2.22	\$32.26	\$30.81	\$0.79	\$31.61
Mar-16	70,523	2,282,977	\$105,098	\$2,388,075	1.000	\$2,282,977	\$105,098	\$2,388,075	\$32.37	\$1.49	\$33.86	\$30.75	\$0.92	\$31.67
Apr-16	70,450	2,172,123	\$86,828	\$2,258,951	1.000	\$2,172,123	\$86,828	\$2,258,951	\$30.83	\$1.23	\$32.06	\$30.71	\$1.02	\$31.73
May-16	70,471	2,408,177	\$66,267	\$2,474,444	1.000	\$2,408,177	\$66,267	\$2,474,444	\$34.17	\$0.94	\$35.11	\$30.87	\$1.10	\$31.97
Jun-16	70,607	2,357,786	\$106,244	\$2,464,030	1.000	\$2,357,786	\$106,244	\$2,464,030	\$33.39	\$1.50	\$34.90	\$31.13	\$1.23	\$32.36
Jul-16	70,821	2,275,781	\$85,682	\$2,361,464	1.000	\$2,275,781	\$85,682	\$2,361,464	\$32.13	\$1.21	\$33.34	\$31.24	\$1.31	\$32.54
Aug-16	70,910	2,731,297	\$90,256	\$2,821,554	1.000	\$2,731,297	\$90,256	\$2,821,554	\$38.52	\$1.27	\$39.79	\$31.90	\$1.31	\$33.21
Sep-16	71,037	2,494,908	\$66,332	\$2,561,240	1.000	\$2,494,908	\$66,332	\$2,561,240	\$35.12	\$0.93	\$36.06	\$32.23	\$1.29	\$33.51
Oct-16	71,211	2,370,765	\$109,736	\$2,480,502	1.000	\$2,370,765	\$109,736	\$2,480,502	\$33.29	\$1.54	\$34.83	\$32.35	\$1.29	\$33.64
Nov-16	71,283	2,747,838	\$110,882	\$2,858,720	1.000	\$2,747,838	\$110,882	\$2,858,720	\$38.55	\$1.56	\$40.10	\$32.94	\$1.34	\$34.28
Dec-16	71,339	2,883,444	\$92,682	\$2,976,126	1.000	\$2,883,444	\$92,682	\$2,976,126	\$40.42	\$1.30	\$41.72	\$33.61	\$1.37	\$34.97
Jan-17	69,561	2,429,636	\$110,575	\$2,540,211	1.000	\$2,429,636	\$110,575	\$2,540,211	\$34.93	\$1.59	\$36.52	\$34.49	\$1.40	\$35.89
Feb-17	69,874	2,629,988	\$27,626	\$2,657,614	1.000	\$2,629,988	\$27,626	\$2,657,614	\$37.64	\$0.40	\$38.03	\$35.12	\$1.25	\$36.37
Mar-17	69,644	3,061,839	\$71,105	\$3,132,944	1.000	\$3,061,839	\$71,105	\$3,132,944	\$43.96	\$1.02	\$44.99	\$36.08	\$1.21	\$37.28
Apr-17	69,292	2,369,272	\$104,635	\$2,473,906	1.000	\$2,369,272	\$104,635	\$2,473,906	\$34.19	\$1.51	\$35.70	\$36.36	\$1.23	\$37.59
May-17	68,904	2,981,750	\$72,869	\$3,054,619	1.000	\$2,981,750	\$72,869	\$3,054,619	\$43.27	\$1.06	\$44.33	\$37.10	\$1.24	\$38.35
Jun-17	68,586	3,015,033	\$51,127	\$3,066,160	1.000	\$3,015,033	\$51,127	\$3,066,160	\$43.96	\$0.75	\$44.71	\$37.97	\$1.18	\$39.15
Jul-17	68,259	2,875,928	\$80,405	\$2,956,333	1.000	\$2,875,928	\$80,405	\$2,956,333	\$42.13	\$1.18	\$43.31	\$38.80	\$1.18	\$39.98
Aug-17	67,932	3,197,054	\$121,817	\$3,318,871	1.000	\$3,197,054	\$121,817	\$3,318,871	\$47.06	\$1.79	\$48.86	\$39.50	\$1.22	\$40.72
Sep-17	67,540	3,068,907	\$115,580	\$3,184,487	1.000	\$3,068,907	\$115,580	\$3,184,487	\$45.44	\$1.71	\$47.15	\$40.35	\$1.28	\$41.64
Oct-17	67,184	3,220,023	\$77,717	\$3,297,740	1.000	\$3,220,023	\$77,717	\$3,297,740	\$47.93	\$1.16	\$49.09	\$41.57	\$1.25	\$42.82
Nov-17	66,853	3,300,824	\$105,229	\$3,406,054	1.000	\$3,300,824	\$105,229	\$3,406,054	\$49.37	\$1.57	\$50.95	\$42.47	\$1.25	\$43.72
Dec-17	66,195	2,969,837	\$117,167	\$3,087,005	1.000	\$2,969,837	\$117,167	\$3,087,005	\$44.86	\$1.77	\$46.64	\$42.84	\$1.29	\$44.13
	,	-, , , ,	+,.+.	\$3,007,003	1.000	,,,,	+,	\$3,007,003	211.00	+····	<b>2</b> -10.0-1	¥12.01	¥1.27	¥11.15

CY2016 / CY 2015 Annual Increase

CY2017 / CY 2016 Annual Increase

169.4% 9.2%

6.6%

27.5%

-5.7% 26.2%

#### PHARMACY TREND DEVELOPMENT SPECIALTY TREND CALCULATIONS

		Adjustmen	t for Aging on A	All Onther Spe	cialty PMPM	l		Regression on All Other Specialty PMPM A Contract	
		Average Age/Gender	Normalized Age/Gender	Monthly	Rolling 12			24 Months on Monthly	24 Months on Rollling 12
	Month	Factor	Factor				Month		
	Jan-15	1.245	1.020	\$32.63			Jan-15	\$22.58	\$24.56
	Feb-15	1.245	1.020	\$31.28			Feb-15	\$23.09	\$24.94
	Mar-15	1.245	1.020	\$33.72			Mar-15	\$23.57	\$25.30
	Apr-15	1.247	1.018	\$31.95			Apr-15	\$24.10	\$25.69
	May-15	1.249	1.016	\$32.79			May-15	\$24.63	\$26.08
	Jun-15	1.251	1.014	\$30.76			Jun-15	\$25.19	\$26.49
	Jul-15	1.252	1.013	\$31.30			Jul-15	\$25.74	\$26.89
	Aug-15	1.253	1.013	\$31.06			Aug-15	\$26.33	\$27.31
	Sep-15	1.256	1.011	\$31.59			Sep-15	\$26.92	\$27.74
	Oct-15	1.257	1.010	\$32.09			Oct-15	\$27.51	\$28.16
	Nov-15	1.257	1.009	\$31.81			Nov-15	\$28.14	\$28.60
	Dec-15	1.259	1.008	\$32.79	31.98		Dec-15	\$28.76	\$29.03
	Jan-16	1.253	1.013	\$24.40	31.29		Jan-16	\$29.41	\$29.49
	Feb-16	1.253	1.013	\$30.43	31.22		Feb-16	\$30.08	\$29.95
	Mar-16	1.252	1.013	\$32.81	31.14		Mar-16	\$30.71	\$30.39
	Apr-16	1.253	1.013	\$31.24	31.08		Apr-16	\$31.41	\$30.86
	May-16	1.254	1.012	\$34.59	31.24		May-16	\$32.10	\$31.33
	Jun-16	1.257	1.010	\$33.72	31.49		Jun-16	\$32.83	\$31.82
	Jul-16	1.259	1.008	\$32.40	31.58		Jul-16	\$33.55	\$32.30
	Aug-16	1.259	1.008	\$38.81	32.24		Aug-16	\$34.31	\$32.81
	Sep-16	1.261	1.007	\$35.36	32.56		Sep-16	\$35.09	\$33.32
	Oct-16	1.262	1.006	\$33.49	32.67		Oct-16	\$35.86	\$33.83
	Nov-16	1.262	1.005	\$38.75	33.25		Nov-16	\$36.67	\$34.36
	Dec-16	1.265	1.003	\$40.55	33.91		Dec-16	\$37.48	\$34.88
	Jan-17	1.265	1.004	\$35.05	34.78		Jan-17	\$38.33	\$35.42
	Feb-17	1.264	1.004	\$37.78	35.38		Feb-17	\$39.20	\$35.98
	Mar-17	1.265	1.003	\$44.11	36.32		Mar-17	\$40.00	\$36.49
	Apr-17	1.265	1.003	\$34.30	36.57		Apr-17	\$40.91	\$37.06
	May-17	1.267	1.002	\$43.36	37.29		May-17	\$41.81	\$37.62
	Jun-17	1.268	1.001	\$44.01	38.14		Jun-17	\$42.75	\$38.21
	Jul-17	1.267	1.001	\$42.19	38.95		Jul-17	\$43.69	\$38.79
	Aug-17	1.267	1.002	\$47.14	39.63		Aug-17	\$44.68	\$39.39
	Sep-17	1.267	1.002	\$45.51	40.47		Sep-17	\$45.70	\$40.01
	Oct-17	1.268	1.001	\$47.98	41.68		Oct-17	\$46.70	\$40.62
	Nov-17	1.268	1.001	\$49.40	42.56		Nov-17	\$47.76	\$41.25
ļ	Dec-17	1.269	1.000	\$44.86	42.92		Dec-17	\$48.81	\$41.88
	CY2016 / CY	2015 Annual	Increase		6.0%				

26.6%

CY2016 / CY 2015 Annual Increase CY2017 / CY 2016 Annual Increase

20,1%

Regression on A	Il Other Specialty	Regress	ion on All
1.001	0.000	1.001	0.000
0.000	3.316	0.000	1.035
0.798	0.080	0.951	0.025
86.961	22.000	427.348	22.000

30.2%

#### PHARMACY TREND DEVELOPMENT SPECIALTY TREND CALCULATIONS

#### Restated Specialty Drug Trend

Pharmacy Specialty Claims in the Experience	А	\$36,175,943
Claims Removed from the Experience (CY 2016)		
PCSK9 Inhibitors	B1	\$152,520
Orkambi	B2	\$801,930
Multiple Sclerosis	B3	\$889,515
Total	B = B1+B2+B3	\$1,843,965
Pharmacy Specialty Claims without Excluded Dr	ug:C = A - B	\$34,331,978
Projected Specialty Claims using a 20.1% trend	\$49,491,694	
Adding Incremental Cost of Excluded Treatment	ts for the Projection Period	
PCSK9 Inhibitors	E1	\$265,455
Orkambi	E2	\$1,519,447
Ocreavus	E3	\$1,092,000
Total	E = E1+E2+E3	\$2,876,902
Restated Projected Specialty Claims	G = D + E	\$52,368,596
Restated Specialty Trend	H = (G/A)^(12/24) -1	20.3%

#### PHARMACY TREND DEVELOPMENT SUMMARY

		Generic	New Generics	Brands Going Generic	Brand	Vaccines	Over the Counter	Compounds	Non-Specialty Total	Specialty	Total Pharmacy
Experience Period Member Months	m										819,824
Experience Period Days Supply	a	15,338,239	6,888,722	451,377	1,963,829	13,677	608,903	28,358	25,293,105	162,338	25,455,443
Experience Period Allowed Charge per Supply	b	\$0.63	\$0.98	\$8.47	\$12.79	\$31.53	\$1.65	\$3.37		\$222.84	
Experience Period Total Allowed Charges	c = a x b	\$9,720,950	\$6,769,401	\$3,822,988	\$25,119,399	\$431,169	\$1,005,722	\$95,518	\$46,965,148	\$36,175,943	\$83,141,091
Experience Period PMPM	n = c / m	\$11.86	\$8.26	\$4.66	\$30.64	\$0.53	\$1.23	\$0.12	\$57.29	\$44.13	\$101.41
Additional Scripts from Cost Containment Strategy	a2	25,941	0	0	10,150	0	0	0	36,090		
Total Days Supply	d = a + a2	15,364,180	6,888,722	451,377	1,973,979	13,677	608,903	28,358	25,329,195		
Utitlization Trend	e	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%		
Projected Period Days Supply	$f=d x (1+e)^{2}$	16,016,251	7,181,086	470,534	2,057,756	14,257	634,745	29,562	26,404,192		
Calculated Annual Trend	g	3.5%	3.5%	3.5%	12.3%	12.3%	0.0%	12.3%			
Impact on Cost of Brands going Generic	h	1.0000	1.0000	0.2298	1.0000	1.0000	1.0000	1.0000			
Projected Allowed Charge per Supply	i=b x (1+g) <sup>2</sup> x h	\$0.68	\$1.05	\$2.09	\$16.13	\$39.76	\$1.65	\$4.25			
Projected Total Allowed Charges before Contract Changes	j = f x i	\$10,883,501	\$7,566,173	\$982,031	\$33,195,226	\$566,859	\$1,048,406	\$125,578	\$54,367,774	\$52,368,596	\$106,736,370
Projection Period PMPM	k = j / m	\$13.28	\$9.23	\$1.20	\$40.49	\$0.69	\$1.28	\$0.15	\$66.32	\$63.88	\$130.19
Annual Trend before Contract Changes	l = (k/n) <sup>1/2</sup> -1	5.8%	5.7%	-49.3%	15.0%	14.7%	2.1%	14.7%	7.6%	20.3%	13,3%
Reduction of Projected Claims due to Contract Changes	0	0.8357	0.8357	0.8357	0.9973	1.0000	1.0000	1.0000		0.9396	
Projected Total Allowed Charges after Contract Changes	p = j x o	\$9,095,346	\$6,323,054	\$820,684	\$33,106,435	\$566,859	\$1,048,406	\$125,578	\$51,086,361	\$49,207,017	\$100,293,379
Projected PMPM adter Contract Changes	q = p / m	\$11.09	\$7.71	\$1.00	\$40.38	\$0.69	\$1.28	\$0.15	\$62.31	\$60.02	\$122.34
Impact of Contract Changes on Projected Pharmacy PMPM											0.9396

EXHIBIT 3G

### TREND DEVELOPMENT PROJECTION FACTOR FOR INDEX RATE CALCULATION

	TREND FACTORS -	FROM 2017 to 2018			TREND FACTORS - FROM 2018 to 2019				
Claim Type	Cost	Utilization	Total		Claim Type	Cost	Utilization	Total	
Medical	2.6%	2.0%	4.6%		Medical	2.7%	0.9%	3.6%	
Pharmacy	11.0%	2.1%	13.3%		Pharmacy	11.0%	2.1%	13.3%	
Dental	3.5%	3.5%	7.2%		Dental	3.5%	3.5%	7.2%	
Vision	0.0%	0.0%	0.0%		Vision	0.0%	0.0%	0.0%	
Claim Type	CY 2017 Allowed	Cost Trend	Adding Cost Trend	Utilization Trend	CY 2018 Allowed				
Medical Claims	<b>PMPM</b> \$460.25	1.0258	\$472.13	1.0200	<b>PMPM</b> \$481.58				
	\$460.25 \$101.78	1.0258	\$472.13 \$112.98	1.0200	•				
Pharmacy Claims					\$115.35				
Dental Claims	\$1.94	1.0355	\$2.01	1.0355	\$2.08				
Vision claims	\$0.10	1.0000	\$0.10	1.0000	\$0.10	_			
Total	\$564.06	1.0410	\$587.22	1.0202	\$599.10				
Claim Type	CY 2018 Allowed PMPM	Cost Trend	Adding Cost Trend	Utilization Trend	CY 2019 Allowed PMPM	Impact of Pharmacy Contract	CY 2019 Allowed PMPM - After Pharmacy Contract Change		
Medical Claims	\$481.58	1.0273	\$494.71	1.0090	\$499.14	1.0000	\$499.14		
Pharmacy Claims	\$115.35	1.1100	\$128.04	1.0210	\$130.73	0.9396	\$122.84		
Dental Claims	\$2.08	1.0355	\$2.15	1.0355	\$2.23	1.0000	\$2.23		
Vision claims	\$0.10	1.0000	\$0.10	1.0000	\$0.10	1.0000	\$0.10		
Total	\$599.10	1.0432	\$625.00	1.0115	\$632.20		\$624.31		
			Cost Trend Factor	1+d <sub>1</sub>	1.0860				
			Utilization Trend Factor	1+d <sub>2</sub>	1.0320				
		Impact of Pharmacy (	Contract Changes factor	1+c <sub>5</sub>	0.9875				

### EXPECTED RISK ADJUSTMENT TRANSFERS

Issuer Average Plan Liability Risk Score	BCBSVT	MVP	
Interim 2017	1.400	1.139	
Impact of Projected Member Movement	1.016	1.064	
Supplemental Diagnoses	1.005	1.000	
Impact of Claims Runout	1.024	1.061	
Adjusted 2018	1.463	1.286	
Impact of Projected Member Movement	1.000	1.000	
Supplemental Diagnoses	1.000	1.000	
Projected Final Report 2019	1.463	1.286	

Transfer Amounts	Combined Market	Catastrophic Market
Estimated 2017 - Final	-\$5,913,785	\$14,287
Adjusted 2018	-\$8,263,363	\$90,615
Estimated 2019	-\$8,709,752	\$91,159
* receivable are expressed as negative numbers		
Projected Risk Adjustment Transfer	-\$8,618,593	
Design the distribution of $\Gamma_{2,2}$ (\$1.00 merces and $\Gamma_{2,2}$	604444	

Projected Risk Adjustment Transfer	-\$8,618,593
Projected Risk Adjustment Fee (\$1.80 per enrollee per year)	\$94,664
Net Projected Risk Adjustment	-\$8,523,929
Member Months	631,092
Net Projected Risk Adjustment PMPM	-\$13.51
Paid to Allowed Ratio (from Exh 6C)	81.14%
Market Wide Adjustment for the Risk Adjustment Program	-\$16.65
	T

INDEX RATE CALCULATION

Index Rate : Experience Period Allowed Claims for EHB	А	\$564.06
Adjustments from Experience Period to Projection Period		
Population Risk Morbidity		
Impact of the Change in Small Group definition	1+b <sub>1</sub>	1.0000
Impact of the take-up rate of the Uninsured	1+b <sub>2</sub>	1.0000
Impact of the Health Status of the newly insured	1+b <sub>3</sub>	1.0005
Impact of insured formerly on Employer coverage	1+b <sub>4</sub>	1.0000
Impact of new enrollment from prior high risk pool	1+b <sub>5</sub>	1.0000
Impact of mandated coverage on morbidity	1+b <sub>6</sub>	1.0000
Impact of the removal of the penalty for the individual mandate	1+b <sub>7</sub>	1.0200
Impact of VHC Adjustments	1+b <sub>8</sub>	1.0000
Changes in pool morbidity	1+b <sub>9</sub>	1.0231
Other		
Impact of different benefit plans (in experience vs projection)	1+c <sub>1</sub>	1.0075
Changes in provider networks	1+c <sub>2</sub>	1.0000
Changes in demographics (age, gender, region, etc.)	1+c <sub>3</sub>	1.0101
Changes in pharmacy rebates	1+c <sub>4</sub>	1.0000
Changes in pharmacy contract	1+c <sub>5</sub>	0.9875
Impact of Selection	1+c <sub>6</sub>	1.0132
Adjusted Experience Period Allowed Claims for EHB	С	\$599.70
Trend Factors		
Cost Trend	1+d <sub>1</sub>	1.0860
Utilization Trend	1+d <sub>2</sub>	1.0320
Projected Period Allowed Claims for Experience EHB	D	\$672.14
Additional Adjustments for Non System Claims		
Projected Pharmacy Rebates	e <sub>1</sub>	-\$18.53
Projected Blue Print Payments	e <sub>2</sub>	\$3.76
Projected ITS Fees	e <sub>3</sub>	\$2.05
Projected Vaccine Payments	e <sub>4</sub>	\$0.99
Projected Net cost of Reinsurance	e <sub>5</sub>	\$1.36
OneCare Care Coordination Fee	e <sub>6</sub>	\$0.61
ESI Additional Fees	e <sub>7</sub>	\$0.56
Projected Index Rate	$F = D + e_1 + e_2 + e_3 + e_4 + e_5$	\$662.94
Market Wide Adjustments		
Risk Adjustment Payments and Fees	g1	-\$16.65
Transitional Reinsurance Payments and Recoveries	g <sub>2</sub>	\$0.00
Vermont Exchange Fees	g <sub>3</sub>	\$0.00
Market Adjusted Index Rate	$H = E + g_1 + g_2 + g_3$	\$646.29

#### PLAN LEVEL ADJUSTMENT SUMMARY

			NON-STAN	DARD PLANS					9	TANDARD PLAN	NS					REFLECTI	VE PLANS		
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	Weighted
	Blue Rewards	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards	Deductible	CDHP	Average					
		CDHP		CDHP		CDHP										CDHP			
Market Adjusted Index Rate	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29
Benefit Richness Adjustment	1.0132	0.9976	0.9628	0.9610	0.9350	0.9343	1.0959	1.0249	0.9684	0.9744	0.9343	0.9374	0.9413	0.9350	0.9626	0.9604	0.9682	0.9743	
Paid to Allowed Ratio	82.00%	78.84%	83.85%	82.53%	65.59%	66.31%	93.01%	84.35%	83.57%	84.10%	66.32%	67.72%	68.08%	65.59%	73.57%	73.44%	74.38%	76.24%	
Plan Benefits in addition to EHB	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0001	1.0001	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	
For Catastrophic Only - Impact of Eligibility	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4938	1.0000	1.0000	1.0000	1.0000	
Expected Claims Cost	\$537.08	\$508.37	\$521.82	\$512.68	\$396.45	\$400.50	\$658.90	\$558.78	\$523.13	\$529.68	\$400.51	\$410.37	\$414.22	\$195.77	\$457.77	\$455.96	\$465.50	\$480.10	\$524.07
Administrative Charges Plan Level Adjustment	1.0839	1.0891	1.0860	1.0878	1,1132	1.1124	1.0579	1.0682	1.0728	1.0721	1.0952	1.0929	1.0919	1,2291	1.0980	1.0988	1.0818	1.0793	
Taxes and Fees Plan Level Adjustment	1.0126	1.0128	1.0127	1.0128	1.0135	1.0135	1.0123	1.0127	1.0129	1.0128	1.0137	1.0136	1.0136	1.0164	1.0131	1.0131	1.0132	1.0131	
Contribution to Reserve Plan Level Adjustment	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	
Plan Level Adjusted Index Rate	\$599.08	\$569.88	\$583.24	\$574.01	\$454.57	\$458.86	\$717.12	\$614.29	\$577.67	\$584.52	\$451.86	\$461.98	\$465.87	\$248.56	\$517.50	\$515.79	\$518.52	\$533.50	\$580.86
Projected Membership	1,164	6,499	2,212	684	598	2,226	10,262	5,836	6,457	1,695	1,597	1,512	485	264	814	1,691	5,645	2,950	52,591

#### PLAN LEVEL ADJUSTMENT BENEFIT RICHNESS ADJUSTMENT FACTOR

			NON-STAND	ARD PLANS					S	TANDARD PLAN	IS					REFLECTI	VE PLANS		
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Blue Rewards CDHP	Blue Rewards	Blue Rewards CDHP	Blue Rewards	Blue Rewards CDHP	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards CDHP	Deductible	CDHP	TOTAL
Projected Membership	1,164	6,499	2,212	684	598	2,226	10,262	5,836	6,457	1,695	1,597	1,512	485	264	814	1,691	5,645	2,950	52,591
Base Paid to Allowed Ratio before Silver Load	82.21%	79.58%	72.69%	72.28%	65.31%	65.06%	93.58%	84.04%	73.93%	75.20%	65.03%	66.06%	67.25%	65.31%	72.69%	72.19%	73.93%	75.19%	
Benefit Richness Adjustment for EHB	1.0937	1.0775	1.0415	1.0396	1.0134	1.0127	1.1799	1.1058	1.0473	1.0535	1.0126	1.0158	1.0197	1.0134	1.0415	1.0393	1.0473	1.0535	1.0800
Normalized Benefit Richness Adjustment for EHB	1.0127	0.9977	0.9643	0.9626	0.9383	0.9376	1.0925	1.0239	0.9696	0.9754	0.9376	0.9405	0.9442	0.9383	0.9643	0.9622	0.9696	0.9754	
Projected Period Paid Claims for Experience EHB Benefit Richness Adjustment for EHB	\$552.69 1.0127	\$532.24 0.9977	\$564.61 0.9643	\$556.12 0.9626	\$446.64 0.9383	\$451.29 0.9376	\$623.84 1.0925	\$567.84 1.0239	\$562.84 0.9696	\$566.22 0.9754	\$451.33 0.9376	\$460.40 0.9405	\$462.68 0.9442	\$446.64 0.9383	\$498.19 0.9643	\$497.37 0.9622	\$503.41 0.9696	\$515.41 0.9754	1.0000
Non-System Claims Market Wide Adjustments (Paid)	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	-\$9.20 -\$13.51	
Total Paid Claims with Benefit Richness Adjustment Overall Benefit Richness Adjustment	\$536.99 1.0132	\$508.29 0.9976	\$521.74 0.9628	\$512.60 0.9610	\$396.39 0.9350	\$400.43 0.9343	\$658.81 1.0959	\$558.69 1.0249	\$523.04 0.9684	\$529.60 0.9744	\$400.44 0.9343	\$410.30 0.9374	\$414.14 0.9413	\$396.39 0.9350	\$457.69 0.9626	\$455.88 0.9604	\$465.42 0.9682	\$480.02 0.9743	

### PLAN LEVEL ADJUSTMENT PAID TO ALLOWED RATIOS

			NON-STAN	DARD PLANS					9	TANDARD PLAN	s					REFLECTI	E PLANS		
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards	Deductible	CDHP	Total					
		CDHP		CDHP		CDHP										CDHP			
Projected Membership	1,164	6,499	2,212	684	598	2,226	10,262	5,836	6,457	1,695	1,597	1,512	485	264	814	1,691	5,645	2,950	52,591
Projected Period Allowed Claims for Experience EHB	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14	\$672.14
Paid to Allowed Ratio for EHB Portion	82.23%	79.19%	84.00%	82.74%	66.45%	67.14%	92.81%	84.48%	83.74%	84.24%	67.15%	68.50%	68.84%	66.45%	74.12%	74.00%	74.90%	76.68%	81.14%
Projected Period Paid Claims for Experience EHB	\$552.69	\$532.24	\$564.61	\$556.12	\$446.64	\$451.29	\$623.84	\$567.84	\$562.84	\$566.22	\$451.33	\$460.40	\$462.68	\$446.64	\$498.19	\$497.37	\$503.41	\$515.41	\$545.36
Non-System Claims	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20	-\$9.20
Market Wide Adjustments (Paid)	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51	-\$13.51
Market Wide Adjustments (Allowed)	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65	-\$16.65
Market Adjusted Index Rate	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29
Total Paid Claims	\$529.98	\$509.53	\$541.89	\$533.41	\$423.92	\$428.58	\$601.13	\$545.13	\$540.13	\$543.51	\$428.62	\$437.69	\$439.97	\$423.92	\$475.48	\$474.66	\$480.70	\$492.70	\$522.65
Paid to Allowed Ratio	82.00%	78.84%	83.85%	82.53%	65.59%	66.31%	93.01%	84.35%	83.57%	84.10%	66.32%	67.72%	68.08%	65.59%	73.57%	73.44%	74.38%	76.24%	80.87%
	1						1							1					

For Section 3 of worksheet 1 of the URRT Expected Claims Cost (from Exhibit 6A) \$524.07

Non-EHB benefit claims cost Market-wide adjustment \$0.08 \$13.51

Projected Incurred Claims, before market-wide adjustment 513.51 Projected Incurred Claims, before market-wide adjustments 5537.66 Projected Index Rate 5662.94 Projected Non-EHB Allowed Claims 50.10 Projected Allowed Experience Claims 5663.04 Paid to Allowed Ratio = \$537.66/\$663.04 81.1%

### PLAN LEVEL ADJUSTMENTS IMPACT OF SPECIFIC ELIGIBILITY CAREGORIES FOR THE CATASTROPHIC PLAN

Average Population	Percent of Eligible Population 100.0%	Projected Allowed Charges for Experience EHB \$624.31	Paid to Allowed Ratio for EHB Claims 69.3%	Projected Paid Claims for EHB Claims \$432.55
Individual Ages 30 or Less	98.6%	\$347.54	63.7%	\$221.24
Individual Ages over 30	1.4%	\$739.09	69.7%	\$514.89
Weighted Average		\$353.14	63.8%	\$225.43
Allowed Charges Adjustment		0.5656		
Paid to Allowed Ratio Adjustment			0.9214	
Plan Level Adjustment Calculation Projected Period Allowed Claims for Experi Paid to Allowed Ratio for EHB Portion Benefit Richness Adjustment for EHB Adjustment for Allowed Charges and Paid Projected Period Paid Claims for Experience Non-System Claims Market Wide Adjustments Non-EHB Benefits Expected Claims Cost	to Allowed Ratio	\$672.14 66.4% 0.9383 0.5212 \$218.42 -\$9.20 -\$13.51 \$0.07 \$195.77		
Market Adjusted Index Rate Paid to Allowed Ratio Benefit Richness Adjustment Plan Benefits in addition to EHB For Catastrophic Only - Impact of Eligibility Expected Claims Cost	/	\$646.29 65.6% 0.9350 1.0002 0.4938 \$105.77		
Expected Claims Cost Total Adjustment for Catastrophic Plan		\$195.77	0.4938	

DETAILS OF ADMINISTRATIVE CHARGES

			NON-STAN	DARD PLANS					S	FANDARD PLAN	45					REFLECTI	VE PLANS		
	GOLD Blue Rewards	GOLD Blue Rewards CDHP	SILVER Blue Rewards	SILVER Blue Rewards CDHP	BRONZE Blue Rewards	BRONZE Blue Rewards CDHP	PLATINUM Deductible	GOLD Deductible	SILVER Deductible	SILVER CDHP	BRONZE Deductible	BRONZE CDHP	BRONZE Integrated	Catastrophic Blue Rewards	SILVER Blue Rewards	SILVER Blue Rewards CDHP	SILVER Deductible	SILVER CDHP	TOTAL
BCBSVT Base Administrative Charges Administrative Charges for Outside Vendors Blue Rewards Program	\$37.72 \$0.54 \$6.81	\$37.72 \$0.79 \$6.81	\$37.72 \$0.35 \$6.81	\$37.72 \$0.50 \$6.81	\$37.72 \$0.36 \$6.81	\$37.72 \$0.50 \$6.81	\$37.72 \$0.45 \$0.00	\$37.72 \$0.39 \$0.00	\$37.72 \$0.36 \$0.00	\$37.72 \$0.48 \$0.00	\$37.72 \$0.41 \$0.00	\$37.72 \$0.41 \$0.00	\$37.72 \$0.36 \$0.00	\$37.72 \$0.34 \$6.81	\$37.72 \$0.35 \$6.81	\$37.72 \$0.50 \$6.81	\$37.72 \$0.36 \$0.00	\$37.72 \$0.36 \$0.00	\$37.72 \$0.46 \$2.09
Total Administrative Charges PMPM	\$45.06	\$45.32	\$44.88	\$45.03	\$44.89	\$45.03	\$38.16	\$38.11	\$38.07	\$38.20	\$38.13	\$38.12	\$38.07	\$44.86	\$44.88	\$45.03	\$38.07	\$38.07	\$40.26
Administrative Charges Plan Level Adjustment	1.0839	1.0891	1.0860	1.0878	1.1132	1.1124	1.0579	1.0682	1.0728	1.0721	1.0952	1.0929	1.0919	1.2291	1.0980	1.0988	1.0818	1.0793	1.0768
Administrative Charges as a percent of Premium	7.52%	7.95%	7.69%	7.84%	9.87%	9.81%	5.32%	6.20%	6.59%	6.53%	8.44%	8.25%	8.17%	18.05%	8.67%	8.73%	7.34%	7.14%	6.93%

#### DETAILS OF CONTRIBUTION TO RESERVE

			NON-STAND	ARD PLANS					S	TANDARD PLAN	S					REFLECTIV	/E PLANS		
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards	Deductible	CDHP	TOTAL					
		CDHP		CDHP		CDHP										CDHP			
BCBSVT Contribution to Reserve	\$8.99	\$8.55	\$8.75	\$8.61	\$6.82	\$6.88	\$10.76	\$9.21	\$8.67	\$8.77	\$6.78	\$6.93	\$6.99	\$3.73	\$7.76	\$7.74	\$7.78	\$8.00	\$8.71
Risk Margin for Bad Debt	\$0.60	\$0.57	\$0.58	\$0.57	\$0.45	\$0.46	\$0.72	\$0.61	\$0.58	\$0.58	\$0.45	\$0.46	\$0.47	\$0.25	\$0.52	\$0.52	\$0.52	\$0.53	\$0.58
Total Contribution to Reserve PMPM	\$9.59	\$9.12	\$9.33	\$9.18	\$7.27	\$7.34	\$11.47	\$9.83	\$9.24	\$9.35	\$7.23	\$7.39	\$7.45	\$3.98	\$8.28	\$8.25	\$8.30	\$8.54	\$9.29
Contribution to Reserve and Risk Margin Plan Level Adjustment	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163	1.0163
Contribution to Reserve and Risk Margin Plan Level Adjustment	1.0163	1.0165	1.0103	1.0163	1.0163	1.0165	1.0103	1.0163	1.0103	1.0165	1.0103	1.0165	1.0103	1.0103	1.0163	1.0163	1.0103	1.0163	1.0103
Contribution to Reserve as a percent of Premium	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Risk Margin Bad Debt as a percent of Premium	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%

			NON-STAN	DARD PLANS					S <sup>-</sup>	ANDARD PLA	NS					REFLECTI	/E PLANS		
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Blue Rewards CDHP	Blue Rewards	Blue Rewards CDHP	Blue Rewards	Blue Rewards CDHP	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards CDHP	Deductible	CDHP	Tota
Assessment - HCCA	\$4.35	\$4.12	\$4.23	\$4.16	\$3.23	\$3.26	\$5.33	\$4.53	\$4.24	\$4.29	\$3.26	\$3.34	\$3.37	\$1.62	\$3.72	\$3.70	\$3.78	\$3.90	\$4.2
e Tax - VITL	\$1.08	\$1.03	\$1.05	\$1.03	\$0.80	\$0.81	\$1.33	\$1.13	\$1.06	\$1.07	\$0.81	\$0.83	\$0.84	\$0.40	\$0.93	\$0.92	\$0.94	\$0.97	\$1.0
eral Assessment - PCORI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
eral Insurer Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
B Billbacks	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.9
Taxes and Fees PMPM	\$7.36	\$7.07	\$7.21	\$7.12	\$5.95	\$5.99	\$8.58	\$7.58	\$7.22	\$7.29	\$5.99	\$6.09	\$6.13	\$3.95	\$6.57	\$6.55	\$6.64	\$6.79	\$7.2
and Fees Plan Level Adjustment	1.0126	1.0128	1.0127	1.0128	1.0135	1.0135	1.0123	1.0127	1.0129	1.0128	1.0137	1.0136	1.0136	1.0164	1.0131	1.0131	1.0132	1.0131	1.01
and Fees as a percent of Premium	1.23%	1.24%	1.24%	1.24%	1.31%	1.31%	1.20%	1.23%	1.25%	1.25%	1.33%	1.32%	1.32%	1.59%	1.27%	1.27%	1.28%	1.27%	1.24

DETAILS OF TAXES AND FEES

#### AV PRICING VALUE

			NON-STAN	DARD PLANS					S	TANDARD PLAN	IS					REFLECTI	VE PLANS	
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER
	Blue Rewards	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards	Deductible	CDHP					
		CDHP		CDHP		CDHP										CDHP		
Market Wide Adjusted Index Rate	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29
Plan Level Adjusted Index Rate	\$599.08	\$569.88	\$583.24	\$574.01	\$454.57	\$458.86	\$717.12	\$614.29	\$577.67	\$584.52	\$451.86	\$461.98	\$465.87	\$248.56	\$517.50	\$515.79	\$518.52	\$533.50
-																		
AV Pricing Value	92.70%	88.18%	90.24%	88.82%	70.33%	71.00%	110.96%	95.05%	89.38%	90.44%	69.92%	71.48%	72.08%	38.46%	80.07%	79.81%	80.23%	82.55%
-																		

#### FEDERAL MINIMUM LOSS RATIO for COMBINED MARKET (PROJECTION)

			NON-STAN	DARD PLANS					5	TANDARD PLAN	۹S					REFLECTI	VE PLANS		
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Blue Rewards CDHP	Blue Rewards	Blue Rewards CDHP	Blue Rewards	Blue Rewards CDHP	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards CDHP	Deductible	CDHP	TOTAL
Expected Direct Claims PMPM	\$551.53	\$522.60	\$536.16	\$526.95	\$409.79	\$413.87	\$674.34	\$573.41	\$537.48	\$544.08	\$413.87	\$423.82	\$427.69	\$207.50	\$471.59	\$469.76	\$479.38	\$494.10	\$538.42
Risk Adjustment Transfer Payments PMPM	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66	-\$13.66
Adjustments for Health Care Quality PMPM*	\$10.18	\$10.20	\$10.16	\$10.17	\$10.16	\$10.17	\$3.36	\$3.35	\$3.35	\$3.36	\$3.36	\$3.35	\$3.35	\$10.16	\$10.16	\$10.17	\$3.35	\$3.35	\$5.45
MLR Claims	\$548.05	\$519.14	\$532.66	\$523.46	\$406.29	\$410.38	\$664.04	\$563.11	\$527.17	\$533.79	\$403.57	\$413.52	\$417.38	\$204.00	\$468.10	\$466.28	\$469.08	\$483.79	\$530.22
Premium PMPM	\$599.08	\$569.88	\$583.24	\$574.01	\$454.57	\$458.86	\$717.12	\$614.29	\$577.67	\$584.52	\$451.86	\$461.98	\$465.87	\$248.56	\$517.50	\$515.79	\$518.52	\$533.50	\$580.86
Licensing and regulatory fees	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15	-\$0.15
Taxes & Fees PMPM	-\$3.01	-\$2.95	-\$2.98	-\$2.96	-\$2.73	-\$2.73	-\$3.25	-\$3.05	-\$2.98	-\$2.99	-\$2.73	-\$2.75	-\$2.76	-\$2.33	-\$2.85	-\$2.84	-\$2.86	-\$2.89	-\$2.98
MLR Premium	\$595.93	\$566.78	\$580.12	\$570.90	\$451.69	\$455.98	\$713.72	\$611.09	\$574.54	\$581.38	\$448.97	\$459.08	\$462.96	\$246.09	\$514.50	\$512.79	\$515.50	\$530.46	\$577.73
Expected Loss Ratio	92.0%	91.6%	91.8%	91.7%	89.9%	90.0%	93.0%	92.1%	91.8%	91.8%	89.9%	90.1%	90.2%	82.9%	91.0%	90.9%	91.0%	91.2%	91.8%
Projected Membership	1,164	6,499	2,212	684	598	2,226	10,262	5,836	6,457	1,695	1,597	1,512	485	264	814	1,691	5,645	2,950	52,591

\*Approximately 8.8% of current BCBSVT Administrative Charges are for health care quality plus the Blue Rewards PMPM

#### CONTRACT CONVERSION FACTOR

			NON-STANE	DARD PLANS						STANDARD PLAN	5					REFLECTI	VE PLANS		1
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards	Deductible	CDHP	Total					
		CDHP		CDHP		CDHP										CDHP			
Inforce Membership	1,184	6,906	2,456	0	289	2,044	10,369	5,916	6,798	1,784	2,178	2,124	174	264	970	0	6,708	3,500	53,664
Plan Level Adjusted Index Rate	\$599.08	\$569.88	\$583.24	\$574.01	\$454.57	\$458.86	\$717.12	\$614.29	\$577.67	\$584.52	\$451.86	\$461.98	\$465.87	\$248.56	\$517.50	\$515.79	\$518.52	\$533.50	\$580.39
Average Members per Subcribers	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.6526	1.0233	1.6526	1.6526	1.6526	1.6526	
Average Tier Factor	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.4774	1.0220	1.4774	1.4774	1.4774	1.4774	
Ratio of Members per Subcribers to Tier Factor	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.1186	1.0013	1.1186	1.1186	1.1186	1.1186	
Preliminary 2018 Rates																			
Single Rate	\$670.13	\$637.47	\$652.41	\$642.09	\$508.48	\$513.28	\$802.17	\$687.14	\$646.18	\$653.84	\$505.45	\$516.77	\$521.12	\$248.88	\$578.88	\$576.96	\$580.02	\$596.77	
Couple Rate	\$1,340.26	\$1.274.94	\$1,304.82	\$1,284.18	\$1,016.96	\$1,026.56	\$1,604.34	\$1,374.28	\$1,292.36	\$1,307.68	\$1,010.90	\$1,033.54	\$1,042.24	\$497.76	\$1,157.76	\$1,153.92	\$1,160.04	\$1,193.54	
Adult and Child(ren) Rate	\$1,293.35	\$1,230,32	\$1,259.15	\$1,239.23	\$981.37	\$990.63	\$1,548,19	\$1,326.18	\$1,247.13	\$1,261.91	\$975.52	\$997.37	\$1,005.76	\$480.34	\$1,117,24	\$1,113.53	\$1,119,44	\$1,151.77	
Family Rate	\$1,883.07	\$1,791.29	\$1,833.27	\$1,804.27	\$1,428.83	\$1,442.32	\$2,254.10	\$1,930.86	\$1,815.77	\$1,837.29	\$1,420.31	\$1,452.12	\$1,464.35	\$699.35	\$1,626.65	\$1,621.26	\$1,629.86	\$1,676.92	\$579.62
Inforce Contracts																			
Single Rate	451	1,816	1,282	0	131	872	3,233	2,157	3,369	784	986	832	67 13	253	488	0	2,788	1,195	Additional Factor for
Couple Rate	100	676	416	0	21	190	1,214	579	1,115	298	229	187	13	2		U	636	321	Contract Conversion
Adult and Child(ren) Rate	33	184	48	0	6	41	317	142	144	34	44	37	3	2	19	U	154	79	Factor
Family Rate	117	831	68	0	26	180	972	557	249	90	168	210	18	1	74	0	578	375	100.1%
																			1

#### CONSUMER ADJUSTED PREMIUM RATES

			NON-STANE	DARD PLANS			-			STANDARD PLAN	s				1	REFLECTI	E PLANS		1
	GOLD	GOLD	SILVER	SILVER	BRONZE	BRONZE	PLATINUM	GOLD	SILVER	SILVER	BRONZE	BRONZE	BRONZE	Catastrophic	SILVER	SILVER	SILVER	SILVER	
	Blue Rewards	Deductible	Deductible	Deductible	CDHP	Deductible	CDHP	Integrated	Blue Rewards	Blue Rewards	Blue Rewards	Deductible	CDHP	Total Annual					
		CDHP		CDHP		CDHP										CDHP			Premium for Inforce
																			Contracts
Plan Level Adjusted Index Rate	\$599.08	\$569.88	\$583.24	\$574.01	\$454.57	\$458.86	\$717.12	\$614.29	\$577.67	\$584.52	\$451.86	\$461.98	\$465.87	\$248.56	\$517.50	\$515.79	\$518.52	\$533.50	
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PMPM to Single Contract Conversion Factor	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.1201	1.0026	1.1201	1.1201	1.1201	1.1201	
2019 Proposed Rates																			
Single Rate	\$671.02	\$638.31	\$653.27	\$642.94	\$509.15	\$513.96	\$803.23	\$688.05	\$647.04	\$654.71	\$506.12	\$517.45	\$521.81	\$249.21	\$579.64	\$577.72	\$580.78	\$597.56	
Couple Rate	\$1,342.04	\$1,276.62	\$1,306.54	\$1,285.88	\$1,018.30	\$1,027.92	\$1,606.46	\$1,376.10	\$1,294.08	\$1,309.42	\$1,012.24	\$1,034.90	\$1,043.62	\$498.42	\$1,159.28	\$1,155.44	\$1,161.56	\$1,195.12	
Adult and Child(ren) Rate	\$1,295.07	\$1,231.94	\$1,260.81	\$1,240.87	\$982.66	\$991.94	\$1,550.23	\$1,327.94	\$1,248.79	\$1,263.59	\$976.81	\$998.68	\$1,007.09	\$480.98	\$1,118.71	\$1,115.00	\$1,120.91	\$1,153.29	
Family Rate	\$1,885.57	\$1,793.65	\$1,835.69	\$1,806.66	\$1,430.71	\$1,444.23	\$2,257.08	\$1,933.42	\$1,818.18	\$1,839.74	\$1,422.20	\$1,454.03	\$1,466.29	\$700.28	\$1,628.79	\$1,623.39	\$1,631.99	\$1,679.14	\$373,751,090
2018 Approved Rates																			
Single Rate	\$633.59	\$607.36	\$549.55	\$532.86	\$484.78	\$484.56	\$751.92	\$657.15	\$561.02	\$571.48	\$488.26	\$492.22	\$499.22	\$246.14	\$549.55	\$532.86	\$561.02	\$571.48	
Couple Rate	\$1,267.18	\$1,214.72	\$1,099.10	\$1,065.72	\$969.56	\$969.12	\$1,503.84	\$1,314.30	\$1,122.04	\$1,142.96	\$976.52	\$984.44	\$998.44	\$492.28	\$1,099.10	\$1,065.72	\$1,122.04	\$1,142.96	
Adult and Child(ren) Rate	\$1,222.83	\$1,172.20	\$1,060.63	\$1,028.42	\$935.63	\$935.20	\$1,451.21	\$1,268.30	\$1,082.77	\$1,102.96	\$942.34	\$949.98	\$963.49	\$475.05	\$1,060.63	\$1,028.42	\$1,082.77	\$1,102.96	
Family Rate	\$1,780.39	\$1,706.68	\$1,544.24	\$1,497.34	\$1,362.23	\$1,361.61	\$2,112.90	\$1,846.59	\$1,576.47	\$1,605.86	\$1,372.01	\$1,383.14	\$1,402.81	\$691.65	\$1,544.24	\$1,497.34	\$1,576.47	\$1,605.86	\$347,729,947
2019 Proposed Rate Increases																			
Single Rate	5.9%	5.1%	18.9%		5.0%	6.1%	6.8%	4.7%	15.3%	14.6%	3.7%	5.1%	4.5%	1.2%	5.5%	8.4%	3.5%	4.6%	
Couple Rate	5.9%	5.1%	18.9%		5.0%	6.1%	6.8%	4.7%	15.3%	14.6%	3.7%	5.1%	4.5%	1.2%	5.5%	8.4%	3.5%	4.6%	
Adult and Child(ren) Rate	5.9%	5.1%	18.9%		5.0%	6.1%	6.8%	4.7%	15.3%	14.6%	3.7%	5.1%	4.5%	1.2%	5.5%	8.4%	3.5%	4.6%	
Family Rate	5.9%	5.1%	18.9%		5.0%	6.1%	6.8%	4.7%	15.3%	14.6%	3.7%	5.1%	4.5%	1.2%	5.5%	8.4%	3.5%	4.6%	7.5%
Inforce Contracts																			
Single Rate	451	1,816	1,282	0	131	872	3,233	2,157	3,369	784	986	832	67	253	488	0	2,788	1,195	
Couple Rate	100	676	416	0	21	190	1,214	579	1,115	298	229	187	13	2	68	0	636	321	
Adult and Child(ren) Rate	33	184	48	0	6	41	317	142	144	34	44	37	3	2	19	0	154	79	
Family Rate	117	831	68	0	26	180	972	557	249	90	168	210	18	1	74	0	578	375	
Projected Contracts	1																		
Single Rate	443	1,703	1,144	311	273	924	3,195	2,127	3,032	688	725	594	161	253	345	694	2,390	1,220	
Couple Rate	99	639	347	102	43	206	1,203	571	964	249	170	134	27	2	92	166	612	311	
Adult and Child(ren) Rate	32	173	43	15	13	45	314	140	138	38	32	26	8	2	18	38	125	65	
Family Rate	116	784	76	32	55	202	965	550	318	110	122	149	63	1	63	145	449	245	
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February 7, 2018

Mr. Dana Houlihan Director, Plan Management & Enrollment Policy VT Health Connect Department of Vermont Health Access *Via Email Only* 

### RE: STATE OF VERMONT ACTUARIAL VALUE CERTIFICATION FOR 2019 STANDARD PLAN DESIGNS

Dear Dana:

The Affordable Care Act (ACA) requires that health care coverage provided by issuers to nongrandfathered individual and small groups must cover all Essential Health Benefits (EHBs) and have plan designs that have Actuarial Values (AVs) that fall under the Platinum (90% AV), Gold (80% AV), Silver (70% AV), or Bronze (60% AV) tiers.

The State of Vermont (State) is standardizing several plan designs that all issuers offering plans in the Exchange, Vermont Health Connect, must offer. Issuers must offer the standard plan designs in the individual and small group merged market. In 2018, one Platinum, one Gold, two Silver, and three Bronze standard plan designs were developed for Vermont Health Connect. There is a traditional deductible plan at each of the four metal levels and a HDHP at each of the Silver and Bronze levels. In 2018, the State also added a second traditional deductible Bronze plan. Due to regulatory constraints and additional pressure on meeting the Bronze tier target AV, the new Bronze plan is not subject to the statute (H.559 Sec. 32. 8 V.S.A. § 4089) for prescription drug deductibles and Maximum Out of Pockets (MOOPs) as described below. The new plan provides coverage for office visits and generic drugs prior to the deductible and qualifies for the expanded Bronze AV range described above. The 2018 standard plan designs are all continuing in 2019.

For each of the Silver standard plan designs, the cost sharing reduction plan designs are also standard. Cost sharing reduction (CSR) plan designs were developed at each of the 73% (federal), 77% (Vermont specific), 87% (federal), and 94% (federal) AV levels.

The State contracted with Wakely Consulting Group, LLC (Wakely) to assist in the development of the 2019 standard plan designs and to provide an actuarial certification of the actuarial values of the state's standard plan designs that do not fit within the parameters of the Federal calculator and require adjustment. This memo documents the approved 2019 standard plan designs as well as the process for developing the corresponding actuarial values. The actuarial certification is provided in Appendix A.

A list of the changes from the 2018 standard plan designs is in Appendix B. At a high level the changes for each base standard plan are:

- 1. Platinum the medical deductible, medical MOOP, and pharmacy MOOP were increased
- 2. Gold the medical MOOP, pharmacy MOOP, and generic pharmacy copay were increased
- Silver Deductible the medical deductible, combined medical/pharmacy MOOP, pharmacy only MOOP, and primary care and mental health/substance abuse office visit copays were all increased
- 4. Bronze Deductible with Pharmacy Limit the medical deductible, combined medical/pharmacy MOOP, and pharmacy only MOOP were all increased
- 5. Bronze Deductible without Pharmacy Limit the combined medical/pharmacy deductible and combined medical/pharmacy MOOP were increased
- 6. Silver HDHP the combined medical/pharmacy MOOP and the embedded individual combined medical/pharmacy MOOP were increased
- 7. Bronze HDHP the combined medical/pharmacy MOOP and the embedded individual combined medical/pharmacy MOOP were increased

In addition to the standard plans, starting in 2016 the State of Vermont is requesting that issuers offer a Gold plan where the deductible and MOOP are set at the same amount. This means that once the deductible is met, the plan pays 100% of all services. Unlike the standard plans, it is not required that issuers offer this plan, but it is highly recommended. The issuer may determine the amount at which to set the deductible and MOOP, as long as they are equal and the resulting plan falls in the Gold tier. Since the amounts are to be determined by the issuers, these plans are not included within this memo.

## **Regulatory Background**

The ACA allows for a -4% to +2% de minimis range around the target AVs for each metal level. For example, any plan design that has an AV from 66% to 72% is considered a Silver plan. Bronze plan designs meeting certain criteria are eligible for an expanded range of +5% on the higher end, allowing an AV up to 65% compared to a high end at 62%. Applicable plans include High Deductible Health Plans (HDHPs), or plans that cover at least one major service, other than preventive, prior to the deductible. Of the Vermont standard plan designs, two of the three Bronze plans qualify for the expanded range.

The Center for Consumer Information and Insurance Oversight (CCIIO) has released the final 2019 Actuarial Value Calculator (AVC)<sup>1</sup> that issuers must use to determine the AV of a plan. While CCIIO anticipates that most plans will be able to use the AVC without modification, some plan designs have features which are not supported by the AVC. In these instances, an actuary can either modify the inputs to most closely represent the plan design or an actuary can modify the results of the AVC to account for the features not supported by the AVC. An actuarial certification

The federal HDHP minimum deductible and MOOP limits are not yet released for 2019. The 2018 minimum deductible and MOOP are \$1,350 and \$6,650, respectively. Historically, the deductible has increased \$50 every two to three years and the MOOP increases around \$100 a year on average, though neither changed from 2016 to 2017. Additionally, the 2019 Notice of Benefits and Payment Parameters (NBPP)<sup>2</sup> are still in draft form. Based on the draft regulations, the single annual limit is expected to be \$7,900, up from \$7,350 in 2018.

documenting the development of the AV for these designs is required.

The plan designs presented are compliant with the 2018 HDHP limits and the 2019 draft NBPP. Should the plan designs need to change once the 2019 HDHP limits are released (typically in early April) or if there are changes from the draft to the final 2019 NBPP, the Department of Vermont Health Access (DVHA) will present the updated designs to Green Mountain Care Board (GMCB) for their information and approval, if needed.

Bill S.19 proposes that starting in 2019, the premiums of the Silver on-Exchange plans will reflect the cost of funding for CSR subsidies, following the announcement that federal funding would cease. This will result in a "CSR load" to these plans such that the Silver premiums may increase substantially. For individuals who are not eligible for premium subsidies (and are therefore not protected from the CSR load), carriers will be able to offer "reflective" off-Exchange Silver plans whose premiums have not been increased for the CSR load and have only a minor difference in plan design compared to their on-Exchange counterparts. As of the date of this report, this bill has passed both the house and senate, but has not yet been signed into law by the governor.

The off-Exchange "reflective" plans will have a \$5 copay or 5% coinsurance increase on ambulance services compared to the on-Exchange plans. These differentials apply to both standard and non-standard Silver plans. A comparison of the standard Silver on and off-Exchange plan designs are shown in Appendix C. As ambulance services are not explicitly included in the AVC and the differences in cost sharing are minimal, there is no difference in the calculation of

<sup>&</sup>lt;sup>1</sup> http://www.cms.gov/CCIIO/Resources/Regulations-and-guidance/index.html

<sup>&</sup>lt;sup>2</sup> https://www.gpo.gov/fdsys/pkg/FR-2017-11-02/pdf/2017-23599.pdf

the federal calculation of the AV for these plans. Unless otherwise noted, in the Appendices the cost sharing for ambulance services represents the on-Exchange plan design.

In the event there is a Silver plan approved with 100% coinsurance, the off-Exchange "reflective" plan will have a \$25 deductible and MOOP increase compared to the on-Exchange plan. Unlike the ambulance cost sharing above, this difference will impact the AV. The carrier submitting such a plan will need to ensure that both the on and off-Exchange plan designs fit within the AV requirements. Since this is for non-standard plans only, these plans are not included within this memo.

Four of the standard plan designs (and the cost sharing reduction plan designs) have features not supported by the AVC and thus an actuarial certification is required. The remaining standard plan designs have features that may warrant an AV adjustment but no explicit adjustment or actuarial certification has been done for these plans. In developing these standard plan designs and the resulting actuarial certification, Wakely also followed applicable Actuarial Standards of Practice (ASOP) as detailed in Appendix D and including:

- 1. ASOP No. 23 Data Quality;
- 2. ASOP No. 25 Credibility Procedures;
- 3. ASOP No. 41 Actuarial Communications; and
- 4. ASOP No. 50 Determining Minimum Value and Actuarial Value under the Affordable Care Act.

## Actuarial Value Considerations

A summary of Vermont's standard plan designs is in Appendix E. Both Silver plans and two of the three Bronze plans have design features that are both significant and not supported by the AVC. The Silver cost sharing reduction plan designs have similar features. The issuers that opt to offer pediatric dental would also have design features that could be significant and not supported by the AVC. While most plans have some subtleties in their design that are not supported by the AVC, CCIIO has stated and regulations dictate that modifications should be made only for substantial differences. The four potential substantial differences that Wakely considered include:

1. Family deductible and MOOPs. There are two common types of applications for deductibles and MOOPs, commonly referred to in Vermont as stacked and aggregate<sup>3</sup>.

<sup>&</sup>lt;sup>3</sup> Stacked deductibles and MOOPs are typical in traditional deductible plans where the individual deductible and MOOP apply to each member of a contract and the family deductible and MOOP is used as a protection for contracts where multiple members have claims. For example, if the family MOOP is two times the

The data supporting the AVC is only at the member level, and thus most closely resembles the stacked application of deductibles and MOOPs although the family stacked AV will be higher in most instances. Most HDHP plans use the aggregate application of deductible and MOOPs which can significantly lower the AV since a family of two would need to accumulate to a deductible that is twice that of a single contract. Note that due to the new regulation in 2016, if the family MOOP is more than the single limit of \$7,900 (proposed for 2019), the MOOP must either be stacked or there must be an embedded individual MOOP of \$7,900. Wakely had previously developed a model to account for aggregate family deductibles and has modified this model to account for stacked and embedded MOOPs for HDHPs. Thus, a specific adjustment has been made to the appropriate AVs for HDHPs.

2. Vermont implemented a statute (H.559 Sec. 32. 8 V.S.A. § 4089) for prescription drug deductibles and MOOPs. The requirement mandates, in part, that the MOOP for prescription drug costs in any plan design shall not exceed the minimum deductible amount for HDHPs per Section 223(c)(2)(A)(i) of the Internal Revenue Code of 1986 (\$1,350 and \$2,700 for individual and family coverage in 2018, 2019 amounts are not yet known). The requirement also states that for HDHPs the cost sharing benefit for prescription drugs must start after the minimum deductible amount for HDHPs (same \$1,350 and \$2,700 for individual and family coverage in 2018) is met, but the amount may be met with either medical or prescription drug claims. This means that for all HDHPs, for purposes of prescription drug coverage, the deductible is considered met when accumulated medical and drug claims reach \$1,350 for individual or \$2,700 for family, regardless of what the medical deductible amount is. Similarly, the MOOP for only drug claims (including amounts used to accumulate to the deductible) is \$1,350 or \$2,700, regardless of the amount of the overall MOOP which will include both drug and medical claims.

Since for an integrated deductible and MOOP, only one amount is able to be input in the AVC, the value of the lower drug deductible and MOOP cannot be modeled in the AVC. This statute has a significant impact on AV, particularly at the lower AV tiers where the difference between the medical and prescription drug deductible and MOOP is greater.

individual MOOP but three members of a contract all would have reached their individual MOOP, it limits the family's liability to two times the individual MOOP.

Aggregate deductible and MOOPs are typical in HDHPs where all claims for all members of a non-single contract accumulate to the family deductible and MOOP. For two person or family contracts where only one member has significant claims, the member still must reach the higher deductible and MOOP amounts which makes the average member liability higher under an aggregate deductible.

Wakely has developed a model to account for Vermont's prescription drug regulation and thus, where appropriate, a specific adjustment has been made to the AVs using this model.

- 3. In the current market, most Vermont HDHPs waive the deductible for preventive prescription drugs. This is another plan feature not currently supported by the AVC. Wakely has not analyzed the exact portion of drugs this represents and this may vary by issuer. The impact to AV would only apply to drug costs that would normally be incurred prior to the member reaching the deductible. Any costs after the deductible is met and after the MOOP is met would be similar to the AVC. It is possible that this design feature could have a significant impact on the AV. However, the impact of this benefit is likely not enough to warrant an additional analysis. Based on some high level estimates, Wakely believes the maximum impact to AV for this design feature is approximately 0.5% with the likely expected impact to be half of that. Since Wakely did not quantify the exact adjustment of the preventive drug difference for HDHPs, Wakely did not make a specific adjustment but did make sure that any AVs developed for HDHPs were at least 0.5% below the high end of the de minimis range in order to account for this increased benefit. It is expected that the impact for these drugs would be highest for the Bronze plan where the deductible is highest and the impact would decrease as deductibles decrease (and AVs increase).
- 4. If a plan covers pediatric dental, starting in 2015 there can be no cost sharing for Class I (basic) pediatric oral health essential health benefits. Appendix F contains a list of the dental procedure codes that are classified as Class I and have no cost sharing. Pediatric dental is not explicitly reflected in the federal AVC. It is included as part of the "other" benefits which are assumed to have average cost sharing for the plan. The reduction in cost sharing for the Class I benefits will result in a higher AV than what is modeled in the AVC, particularly for the higher deductible plans. It is possible that this design feature could have a significant impact on the AV. Based on some high level estimates, Wakely believes the maximum impact to AV for this design feature is approximately 0.5%. Since this adjustment may apply to some issuers and not to others, Wakely did not make a specific adjustment but did make sure that any AVs developed were at least 0.5% below the high end of the de minimis range in order to account for this benefit. It is expected that the impact for these dental services would be highest for the Bronze plan where the deductible is highest and the impact would decrease as deductibles decrease (and AVs increase).

There are other potential design features for which adjustments could be made. However, given the expectation that adjustments be made for only the most substantive deviations, Wakely does not believe additional adjustments are warranted. It is also important to note that the bucketing of claims and the methodology used to calculate the AVC are not always clearly defined. Thus, at times it is difficult to ascertain whether an adjustment is warranted and how that adjustment would be estimated.



As stated, Wakely made explicit adjustments to account for the stacked and aggregate family deductible/MOOP and Vermont's prescription drug regulation. These adjustments are described in detail in the Methodology section. For the preventive prescription drug and pediatric dental benefits, Wakely did not make an explicit adjustment but did allow cushion in the AV such that an increase of up to 0.5% would not result in the AV falling outside of the required range. The table below shows the acceptable range for each standard plan design after accounting for this cushion where an explicit adjustment was not made.

	Plan	Adjusted Acceptable Range
	Platinum	86.0%-92.0%
	Gold	76.0%-82.0%
Deductible Plans	Silver	66.0%-72.0%
	Bronze (with drug limit)	56.0%-61.5%
	Bronze (without drug limit)	56.0%-65.0%
HDHPs	Silver - Embedded MOOP	66.0%-71.0%
	Bronze - Embedded MOOP	56.0%-64.0%
	250-300% FPL (73% AV)	72.0%-74.0%
Cost Sharing Reduction Plan Designs - Deductible	200-250% FPL (77% AV)	76.0%-78.0%
Plans Plans	150-200% FPL (87% AV)	86.0%-88.0%
	133-150% FPL (94% AV)	93.0%-95.0%
	250-300% FPL (73% AV)	72.0%-73.0%
Cost Sharing Reduction	200-250% FPL (77% AV)	76.0%-77.0%
Plan Designs - HDHPs	150-200% FPL (87% AV)	86.0%-87.0%
	133-150% FPL (94% AV)	93.0%-94.0%

The table in Appendix G shows all plan designs for which adjustments were made, the adjustments considered, the original AV from the AVC, and the final adjusted AV. The pediatric dental consideration may also apply to the Platinum, Gold and Silver Deductible and CSR plans when issuers include the benefit but no explicit adjustment was made since coverage of the pediatric dental benefit is optional and the impact to higher AV plans is less significant.

## Methodology

Since several of the standard plan designs have features not supported by the AVC, Wakely developed an HDHP model to capture the impact of these features on the AV. It was anticipated that the AVC would not accommodate all of the Vermont plan design features and this model was developed several months prior to the draft 2014 AVC being released. While there are similarities in the data used (for example, both models include all members regardless of duration), there are

also differences (for example, only group data is included in the HDHP model, while the AVC includes both small group and individual experience).

If a plan does have substantive differences from what the AVC allows, there are two allowed approaches defined in the federal regulations. The first allows the actuary to adjust the inputs of the plan design to "fit" it into the AVC. The second allows the actuary to put in as many of the design features as possible into the AVC and then adjust the resulting AV to account for the unique design features. Wakely determined the second approach was most appropriate for the Vermont plan design differences. Thus for the plan designs where adjustments were made, Wakely first input as much of the plan design as possible into the AVC and then modified the resulting AV to account for the unique features.

The following discusses the HDHP model that Wakely developed and the process used to adjust the actuarial values from the AVC.

## HDHP Model

Anticipating the need to quantify some of Vermont's unique plan design features, in mid-2012 Wakely developed an HDHP model that would account for both aggregate deductibles and MOOPs as well as quantify the impact of Vermont's prescription drug regulation. For the 2016 AV adjustments, this model was updated with more recent data and an option was added to account for embedded/stacked MOOPs.

In developing the model Wakely was provided with membership and medical and pharmacy claims data extracts from the Vermont Healthcare Claims Uniform Reporting and Evaluation System (VHCURES). Filters were then applied to the data to target a specific population for the model and reduce the amount of records to work with. The data used included:

- Allowed commercial medical and prescription drug data that was incurred in 2012 (updated data was not provided in time to incorporate in this analysis)
- Products types HMO (non-Medicare risk), PPO, POS and EPO
- Used claims with a Useflag='0'
- All market categories except individual
- Limited to members in select payer ids

After all filters were applied, the remaining data included allowed claims and membership for approximately 2.3 million member months.

The methodology developed for the HDHP model does not use the traditional approach of continuance tables. When determining the paid claims and resulting actuarial value of the plan designs where the prescription drug regulation is a factor, the order in which the claims occur is important. Continuance tables fail to recognize the impact of the order of the claims on actuarial values. Thus, the HDHP model re-prices the claims based on the inputs provided in the model rather than rely on continuance tables.

The HDHP model allows a user to enter the following:

- Medical and Prescription drug deductible amounts for both individual and family contracts. These amounts can differ but the model assumes the amounts are always integrated, or that both medical and drug claims will accumulate to both deductibles, even if different amounts.
- Medical and prescription drug maximum out of pocket amounts for both individual and family contracts. These amounts can differ and the model allows for different treatment of the MOOPs as noted below.
- Medical and prescription drug coinsurance amounts. If the plan design includes copays, an effective coinsurance needs to be input.
- The structure of the deductibles and MOOPs. As can be seen in the table below, the model can distinguish between aggregate and stacked deductibles and MOOPs. It also allows for different accumulations of claims to the medical and prescription drug MOOPs. There are six structural selections available in the model, described in the table below. Option 5 is most closely aligned to the federal AVC. Option 6 represents the design of the Vermont HDHPs.

Costs that Accumulate								
Options	Deductible	Maximum Out-of	-Pocket (MOOP)	Deductible / MOOP Type				
		Medical	Rx					
1	Medical & Rx	Medical & Rx	Rx Only	Aggregate				
2	Medical & Rx	Medical & Rx	Rx Only	Stacked				
3	Medical & Rx	Medical Only	Rx Only	Aggregate				
4	Medical & Rx	Medical Only	Rx Only	Stacked				
5	Medical & Rx	Medical & Rx	Medical & Rx	Stacked				
6	Medical & Rx	Medical & Rx	Rx Only	Aggregate Deductible /Aggregate MOOP with Embedded Ind MOOP (can also be used for Stacked MOOP)				

## **Adjusted AV Calculations**

Using the federal AV calculator and the HDHP model as outlined above, the following methodology was used to develop the adjusted AV calculations for the HDHPs:

- The plan designs were entered into the AVC ignoring the separate prescription drug deductible and MOOP thresholds. The resulting AV is the unadjusted value, which does not account for the prescription drug regulations or the aggregate family deductible and MOOP levels.
- 2. The HDHP model was used to determine the revised AV.
  - a. The same plan design input into the AVC was input into the HDHP model. The HDHP model only allows for coinsurance. Since the HDHP designs include copays, an effective coinsurance was developed for each plan design. The effective coinsurance amounts were developed separately for medical and prescription drug services using the allowed weights and average cost per service from the federal AVC continuance tables for the relevant metal tier.
  - b. The HDHP model was normalized to the AVC for each plan design. This means the same plan design, ignoring the prescription drug thresholds and assuming a stacked family deductible and MOOP, was input into the HDHP model and the underlying data was adjusted to arrive at the same AV as the AVC. This was done to ensure the same starting AV in both models and to try to mirror the induced utilization in the AVC. The normalization factors were reviewed for reasonability and deemed reasonable given they are accounting for trend, regional differences in cost and utilization and induced utilization.

State of Vermont

- c. The plan design in the HDHP model was adjusted to lower the prescription drug deductible and MOOP inputs (if applicable) to the appropriate plan design amounts and also to adjust the prescription drug MOOP to only consider prescription drug claims (the medical MOOP amount continues to use both medical and prescription drug claims). The application of deductible and MOOP was also changed to use an aggregate family deductible and family MOOP with an embedded individual MOOP equal to \$7,900.
- 3. The resulting AV from the HDHP model is used as the final AV for tier placement.

The HDHP model was intended only for HDHPs where medical and drug claims both accumulate to the deductible. The Bronze plan with the pharmacy limit<sup>4</sup> and Silver deductible plans (and associated CSR plans) need to be adjusted to account for the lower prescription drug MOOP, but the deductible plan has separate medical and drug deductibles. Thus, the HDHP model was used but with a slight variation in methodology. The following highlight the differences in methodology used only for the Bronze and Silver Deductible plans.

- 1. Same as for HDHPs, as much of the plan design as possible was entered into the AVC. This is the unadjusted AV. The Bronze and Silver Deductible plans then need to be adjusted for the lower and separate prescription drug MOOP.
- 2. The HDHP model was used to develop the AV adjustments in a slightly different process than for the HDHPs.
  - a. Instead of normalizing the HDHP model to the AVC, the normalization factor for the Bronze or Silver HDHP was used.
  - b. The HDHP model cannot accommodate plan designs where both medical and drug claims do not accumulate to the deductible. Thus, the same plan design was entered into the HDHP model as in the AVC but the model selection indicated that both medical and drug claims accumulated to the deductible amounts.
  - c. The HDHP model was then re-run with the lower drug MOOP and to adjust the prescription drug MOOP to only consider prescription drug claims (the medical MOOP amount continues to use both medical and prescription drug claims). The model continued to use a stacked application for deductible and MOOP since it is a traditional deductible plan.

<sup>&</sup>lt;sup>4</sup> Only the Bronze plan with the pharmacy limit needs to be adjusted. The Bronze plan without the pharmacy limit is not subject to the lower prescription drug MOOP and as such does not require an explicit adjustment to the AVC results.



3. The final AV is the ratio of the AV from 2c and 2b applied to the AV from the AVC in 1.

Appendix H includes screen shots from the AVC and the HDHP model for each plan design with an adjusted actuarial value. Also included is a summary of the AVs and in the instance of the Bronze and Silver Deductible plans, a calculation of the adjustment.

## **Disclosures and Limitations**

**Responsible Actuary**. Julie Peper is the actuary responsible for this communication. Julie is a Member of the American Academy of Actuaries and a Fellow of the Society of Actuaries. She meets the Qualification Standards of the American Academy of Actuaries to issue this report.

**Intended Users.** This information has been prepared for the sole use of the State of Vermont and issuers within that state that will be submitting standard plan designs. Distribution to such parties should be made in its entirety. This report cannot be distributed to or relied on by any third party without the prior written permission of Wakely.

**Risks and Uncertainties.** The assumptions and resulting estimates included in this report and produced by the model are inherently uncertain. Users of the results should be qualified to use it and understand the results and the inherent uncertainty. Actual results may vary, potentially materially, from our estimates. Wakely does not warrant or guarantee that actual experience will tie to the AV estimated for the placement of plan designs into tiers. The developed actuarial values are for the purposes of classifying plan designs of similar value and do not represent the expected actuarial value of a plan. Actual AVs will vary based on a plan's specific population, utilization, unit cost, and other variables.

**Conflict of Interest.** The responsible actuary is financially independent and free from conflict concerning all matters related to performing the actuarial services underlying this analysis. In addition, Wakely is organizationally and financially independent to the State of Vermont and any issuer in the state.

**Data and Reliance.** We have relied on others for data and information used in the actuarial value adjustments. We have reviewed the data for reasonableness, but have not performed any independent audit or otherwise verified the accuracy of the data/information. If the underlying information is incomplete or inaccurate, our estimates may be impacted, potentially significantly. Below is a list of data and assumptions provided by others and assumptions required by law.

• Final 2019 Federal AVC Model was relied on for the original AV. While reasonability tests have shown there are some assumptions and methodologies that are not consistent with expectations, the AVC was developed for plan classification and not pricing. Thus, the



model is being used as such and we make no warranties for the accuracy of the AVs that result from the AVC.

• VHCURES data supplied by the state was used in the development of the HDHP model.

**Subsequent Events.** Subsequent events to the date of this report that could impact the plan designs presented include, but are not limited to:

- The federal HDHP minimum deductible and Maximum Out of Pocket (MOOP) limits are not yet released for 2019. The 2018 minimum deductible and MOOP are \$1,350 and \$6,650, respectively. Historically, the deductible has increased \$50 every two to three years and the MOOP increases around \$100 a year on average, though neither changed from 2016 to 2017. The plan designs presented are compliant with the 2018 HDHP limits and may need to change once the 2019 HDHP limits are released, primarily if the minimum deductible is increased.
- The 2019 Notice of Benefits and Payment Parameters (NBPP) are still in draft form. Based on the draft regulations, the single annual limit is expected to be \$7,900, up from \$7,350 in 2018. The plan designs presented are compliant with the 2019 draft NBPP and may need to change if the final NBPP lowers the annual limit from the draft notice.
- 3. Other changes to regulations passed subsequent to this report.

**Contents of Actuarial Report.** This document and the supporting exhibits/files constitute the entirety of actuarial report and supersede any previous communications on the project.

**Deviations from ASOPS.** Wakely completed the analysis using sound actuarial practice. To the best of my knowledge, the report and methods used in the analysis are in compliance with the appropriate Actuarial Standards of Practice (ASOP) with no known deviations. A summary of ASOP compliance is listed in Exhibit D.

Exhibit A contains the formal actuarial certification. If you have any questions regarding this letter or the certification, please contact me.

Sincerely,

Julie A Pet

Julie A. Peper, FSA, MAAA Principal and Senior Consulting Actuary

Brott Phillip

Brittney Phillips, ASA, MAAA Consulting Actuary



# Appendix A

### Actuarial Certification State of Vermont Actuarial Value of Standard Plan Designs Effective January 1, 2019

I, Julie A. Peper, am associated with the firm of Wakely Consulting Group, LLC (Wakely), am a Fellow of the Society of Actuaries and a member of the American Academy of Actuaries, and meet its Qualification Standards for Statements of Actuarial Opinion. Wakely was retained by the State of Vermont to provide a certification of the actuarial value of the state's standard plan designs that are effective January 1, 2019 on Vermont Health Connect. This certification may not be appropriate for other purposes.

To the best of my information, knowledge and belief, the actuarial values provided with this certification are considered actuarially sound for purposes of § 156.135(b), according to the following criteria:

- 1. The final 2019 federal Actuarial Value Calculator was used to determine the AV for the plan provisions that fit within the calculator parameters;
- 2. Appropriate adjustments were calculated, to the AV identified by the calculator, for plan design features that deviate substantially from the parameters of the AV calculator;
- 3. The actuarial values have been developed in accordance with generally accepted actuarial principles and practices; and
- 4. The actuarial values meet the requirements of § 156.135(b).

The assumptions and methodology used to develop the actuarial values have been documented in my correspondence with the State of Vermont. The actuarial values associated with this certification are for standard plan designs (Silver HDHP, Bronze HDHP, one Bronze Deductible, Silver Deductible, Silver HDHP CSR 73%, Silver HDHP CSR 77%, Silver HDHP CSR 87%, Silver HDHP CSR 94%, Silver Deductible CSR 73%, Silver Deductible CSR 77%, Silver Deductible CSR 87%, and Silver Deductible CSR 94%) that will be effective as of January 1, 2019 for individual and group coverage sold on Vermont Health Connect.

The developed actuarial values are for the purposes of classifying plan designs of similar value and do not represent the expected actuarial value of a plan. Actual AVs will vary based on a plan's specific population, utilization, unit cost and other variables.

In developing the actuarial values, I have relied upon the federal Actuarial Value calculator and data from the Vermont Healthcare Claims Uniform Reporting and Evaluation System



(VHCURES). I did not audit the data provided; however, I did review the data for reasonableness and consistency.

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

Julie A. P.A.

Julie A. Peper, FSA, MAAA February 7, 2018



# Appendix B – Summary of Plan Design Changes from 2018 Designs

	Deductible Plans						
Plan	Platinum	Gold					
	Increase medical deductible from \$300 to \$350	Increase medical MOOP from \$4,500 to \$4,700					
	Increase medical MOOP from \$1,300 to \$1,350	Increase Rx MOOP from \$1,300 to \$1,350					
	Increase Rx MOOP from \$1,300 to \$1,350	Increase generic Rx copay from \$5 to \$10					
	Deductible Plans						
Plan	Silver	Bronze w/ Rx Limit					
Changes	Increase medical deductible from \$2,600 to \$2,800	Increase medical deductible from \$5,000 to \$5,500					
	Increase combined medical/Rx MOOP from \$6,800 to \$7,500 Increase combined medical/Rx MOOP from \$7,350 to \$7,900						
	Increase Rx MOOP from \$1,300 to \$1,350	Increase Rx MOOP from \$1,300 to \$1,350					
	Increase PCP and MH/SA office visit copays from \$25 to \$30						
	Deductible Plans						
Plan	Bronze w/o Rx Limit						
	Increase combined medical/Rx deductible from \$7,350 to						
Changes	\$7,600						
	Increase combined medical/Rx MOOP from \$7,350 to \$7,600						
	HDHPs						
Plan	Silver - Embedded MOOP	Bronze - Embedded MOOP					
Changes	Increase combined medical/Rx MOOP from \$6,400 to	Increase combined medical/Rx MOOP from \$6,550 to \$6,650					
	\$6,650						
	Increase embedded single combined medical/Rx MOOPIncrease embedded single combined medical/Rx MOOP from						
	from \$7,350 to \$7,900	\$7,350 to \$7,900					

# Appendix C – On and Off-Exchange Reflective Silver Standard Plan Designs

	2019 Plan Designs - Silver Deductible Plans		2019 Plan Designs - Silver HDHP Plans	
Deductible/OOP Max	On-Exchange	Off-Exchange	On-Exchange	Off- Exchange
Type of Plan	Deductible	Deductible	HSA Q/HDHP	HSA Q/HDHP
Medical Ded	\$2,800	\$2,800	\$1,550	\$1,550
Rx Ded	\$300	\$300	\$1,350	\$1,350
Integrated Ded	No	No	Yes	Yes
Medical MOOP	\$7,500	\$7,500	\$6,650	\$6,650
Rx MOOP	\$1,350	\$1,350	\$1,350	\$1,350
Integrated MOOP	Rx -No, Medical - Yes	Rx -No, Medical - Yes	Rx -No, Medical - Yes	Rx -No, Medical - Yes
Family Deductible / OOP	Stacked, 2x Individual	Stacked, 2x Individual	Aggregate with Combined Medical/Rx embedded \$7,900 Single MOOP; 2x Individual	Aggregate with Combined Medical/Rx embedded \$7,900 Single MOOP; 2x Individual
Medical Deductible waived for:	Prev, OV, UC, Amb	Prev, OV, UC, Amb	Preventive	Preventive
Drug Deductible waived for:	Generic scripts	Generic scripts	Wellness scripts	Wellness scripts
Service Category	Copay / Coinsurance	Copay / Coinsurance	Copay / Coinsurance	Copay / Coinsurance
Inpatient	40%	40%	30%	30%
Outpatient	40%	40%		30%
ER	\$250	\$250		30%
Radiology (MRI, CT, PET)	40%	40%	30%	30%
Preventive	\$0	\$0	0%	0%_
PCP Office Visit	\$30	\$30	10%	10%
MH/SA Office Visit	\$30	\$30	10%	10%
Specialist Office Visit	\$75	\$75	30%	30%
Urgent Care	\$85	\$85	30%	30%_
Ambulance	\$100	\$105	30%	35%_
Rx Generic	\$15	\$15	\$10	\$10
Rx Preferred Brand	\$60	\$60	\$40	\$40
Rx Non-Preferred Brand	50%	50%	50%	50%
Rx Specialty	50%	50%	50%	50%
Actuarial Value				
2019 Federal AVC, Adjusted if Necessary	71.9%	71.9%	70.3%	70.3%



### Appendix D – Comments Relative to Applicable ASOPs

This appendix includes comments relative to the following applicable Actuarial Standards of Practice (ASOP).

- 1. ASOP No. 23, Data Quality;
- 2. ASOP No. 25, Credibility Procedures;
- 3. ASOP No. 41, Actuarial Communications; and
- 4. ASOP No. 50 Determining Minimum Value and Actuarial Value under the Affordable Care Act.

#### ASOP 23: Data Quality

<u>3.1 Overview</u> – VHCURES data was used as the basis for the HDHP model and this data source was deemed reasonable for the analysis discussed in the management report.

<u>3.2 Selection of Data</u> - The data was considered reasonable for our analysis subject to the following considerations -

- a. The data sources contained all material data elements.
- b. The following considerations were reviewed as part of our analysis:

1. Data was appropriate and sufficiently current. Wakely requested to update the data in the model but the data was not provided in time to do so. The data used is reasonable for its use since it is primarily used to understand relativities.

2. Data was reasonable and comprehensive of the necessary data elements.

3. There were no known, material limitations of the data.

4. No alternative data sets were reasonably available. The reliability of the data underlying our analysis did not require support from alternative data sets.

- 5. Alternative data sets were not deemed necessary to complete the analysis.
- 6. Sampling methods were not required.

<u>3.3 Reliance on Data Supplied by Others</u> - Reliance is discussed in the management report to which this appendix is attached.

<u>3.4 Reliance on Other Information Relevant to the Use of Data</u> - We relied on information contained in the report. We did not detect any material errors in the data provided and relied upon the data as part of our analysis.

<u>3.5 Review of Data</u> - We reviewed the data. Data definitions were included as part of the VHCURES data. Ultimately the data was reasonable with the adjustments discussed in our management report.

3.6 Limitation of the Actuary's Responsibility - We did not audit the data.

<u>3.7 Use of Data</u>– Use and adjustments to the data are discussed in this management report. In addition:

a. We deem that the data are of sufficient quality to perform the analysis;

b. The data did not require enhancement before the analysis could be performed

c. The data was reasonable for the analysis and did not require adjustment beyond that discussed in the management report;

- d. We did not detect any material defects in any data source;
- e. The data were adequate to perform our analysis.

### ASOP 25: Credibility Procedures

The HDHP model uses data as its starting point. The experience used is fully credible and therefore no credibility blending or adjustments were necessary.

#### **ASOP 41: Actuarial Communications**

This report and the actuarial memorandum submitted are consistent with the guidance in ASOP 41.

#### 3.1 General Requirements for Actuarial Communications

<u>3.1.1 Principal and Scope of Engagement</u> – These results were developed to comply with § 156.135(b) and should not be used for any other purpose. The distribution of this report to other users is limited to the State of Vermont.



<u>3.1.2 Form and Content</u> – The State of Vermont was the principal for this engagement and the scope of the engagement included developing and certifying the actuarial values for the standard plan designs as discussed in the management report.

<u>3.1.3 Timing of Communication</u> – This report is provided in conjunction with the actuarial certification of the submitted actuarial values.

<u>3.1.4 Identification of Responsible Actuary</u> – The responsible actuary is identified in the attestation and this management report.

<u>3.2 Actuarial Report</u> – This management report is an Actuarial Report as defined in this ASOP. Correspondence between Wakely and the State of Vermont as part of this engagement should also be considered part of the Actuarial Report.

<u>3.3 Specific Circumstances</u> – No constraints apply beyond any discussed in the attachment management report.

<u>3.4 Disclosures Within an Actuarial Report</u> - all relevant disclosures have been made in the management report. Consistent with this ASOP, we make specific mention to the following items here:

<u>3.4.1 Uncertainty or Risk</u> – Uncertainty is discussed in the management report.

<u>3.4.2 Conflict of Interest</u> – Wakely is financially, organizationally, and otherwise independent from the State of Vermont and any reliant parties.

<u>3.4.3 Reliance on Other Sources for Data and Other Information</u> - Reliance regarding data and assumptions are discussed in this management report.

<u>3.4.4 Responsibility for Assumptions and Methods</u> - Assumptions and methods are discussed in the management report and the parties associated with the assumptions and methods have been delineated. Therefore, pursuant to this ASOP, no additional disclosure is necessary.

<u>3.4.5 Information Date of Report</u> -The management report list the applicable dates for the analysis and correspondence.

<u>3.4.6 Subsequent Events</u> - Subsequent events are listed in the Limitations and Disclosures section.

<u>3.5 Explanation of Material Differences</u> - Wakely has issued no other report regarding the development of these actuarial values. No comparison to prior results is necessary.

<u>3.6 Oral Communications</u> - No oral communication is considered part of this actuarial report. Any material assumptions or methods discussed in oral communications have been documented in written form as well.

<u>3.7 Responsibility to Other Users</u> - Intended users of this report have been specifically noted in the document.



### ASOP 50: Determining Minimum Value and Actuarial Value under the Affordable Care Act

<u>3.1 Use of AVC or MVC</u> – The federal AVC was used.

<u>3.2 Exceptions to the AVC</u> – The federal AV was determined by making adjustments to the results of the federal AVC based on provisions that could not be appropriate modeled in the AVC.

3.3 Exceptions to the MVC - Not applicable.

<u>3.4 Evaluating Non-Standard Plan Designs</u> – The HDHP model was normalized to the federal AVC.

<u>3.5 Reasonableness of Assumptions for Non-Standard Plan Designs</u> – The assumptions used to modify the federal AVs were reviewed for reasonability.

<u>3.6 Unreasonable Results</u> – Not applicable.

<u>3.7 Documentation</u> – See ASOP 41 documentation above.



### Appendix E – Standard Plan Designs

		Deductible Plan Desig	gns		
			n Designs - Deductible	e Plans	
Deductible/OOP Max	Platinum	Gold	Silver	Bronze w/ Rx Limit	Bronze w/o Rx Limit
Type of Plan	Deductible	Deductible	Deductible	Deductible	Deductible
Medical Ded	\$350	\$850	\$2,800	\$5,500	\$7,600
Rx Ded	\$0	\$100	\$300	\$900	N/A
Integrated Ded	No	No	No	No	Yes
Medical MOOP	\$1,350	\$4,700	\$7,500	\$7,900	\$7,600
Rx MOOP	\$1,350	\$1,350	\$1,350	\$1,350	N/A
Integrated MOOP	No	No	Rx -No, Medical - Yes	Rx -No, Medical - Yes	Yes
Family Deductible / OOP	Stacked, 2x Individual				
Medical Deductible waived for:	Prev, OV, UC, Amb	Prev, OV, UC, Amb	Prev, OV, UC, Amb	Preventive	Preventive, OV
Drug Deductible waived for:	N/A	Generic scripts	Generic scripts	Applies to all scripts	Generic Scripts
Service Category	Copay /				
	Coinsurance	Coinsurance	Coinsurance	Coinsurance	Coinsurance
Inpatient	10%	30%	40%	50%	0%
Outpatient	10%	30%	40%	50%	0%
ER	\$100	\$150	\$250	50%	0%
Radiology (MRI, CT, PET)	10%	30%	40%	50%	0%
Preventive	\$0	\$0	\$0	\$0	\$0
PCP Office Visit	\$10	\$15	\$30	\$35	\$40
MH/SA Office Visit	\$10	\$15	\$30	\$35	\$40
Specialist Office Visit	\$30	\$30	\$75	\$90	\$100
Urgent Care	\$40	\$40	\$85	\$100	\$0
Ambulance	\$50	\$50	\$100	\$100	\$0
Rx Generic	\$5	\$10	\$15	\$20	\$25
Rx Preferred Brand	\$50	\$50	\$60	\$85	\$0
Rx Non-Preferred Brand	50%	50%	50%	60%	0%
Rx Specialty Actuarial Value	50%	50%	50%	60%	0%
2019 Federal AVC, Adjusted if Necessary	90.1%	82.0%	71.9%	61.3%	63.0%

#### Deductible Plan Designs – Cost Sharing Reduction Plans

		2019 Pla	n Designs - Deductible	Plans	
Deductible/OOP Max	70% AV Silver	250-300% FPL (73% AV)	200-250% FPL (77% AV)	150-200% FPL (87% AV)	133-150% FPL (94% AV)
Type of Plan	Deductible	Deductible	Deductible	Deductible	Deductible
Medical Ded	\$2,800	\$2,700	\$2,200	\$800	\$150
Rx Ded	\$300	\$300	\$200	\$150	\$0
Integrated Ded	No	No	No	No	No
Medical MOOP	\$7,500	\$6,300	\$4,900	\$1,800	\$900
Rx MOOP	\$1,350	\$1,200	\$1,000	\$400	\$200
Integrated MOOP	Rx -No, Medical - Yes				
Family Deductible / OOP	Stacked, 2x Individual				
Medical Deductible waived for:	Prev, OV, UC, Amb				
Drug Deductible waived for:	Generic scripts	Generic scripts	Generic scripts	Generic scripts	N/A
Service Category	Copay / Coinsurance				
Inpatient	40%	40%	40%	40%	10%
Outpatient	40%	40%	40%	40%	10%
ER	\$250	\$250	\$250	\$250	\$75
Radiology (MRI, CT, PET)	40%	40%	40%	40%	10%
Preventive	\$0	\$0	\$0	\$0	\$0
PCP Office Visit	\$30	\$30	\$20	\$10	\$5
MH/SA Office Visit	\$30	\$30	\$20	\$10	\$5
Specialist Office Visit	\$75	\$65	\$40	\$30	\$15
Urgent Care	\$85	\$75	\$50	\$40	\$25
Ambulance	\$100	\$100	\$100	\$100	\$50
Rx Generic	\$15	\$12	\$12	\$10	\$5
Rx Preferred Brand	\$60	\$60	\$60	\$50	\$20
Rx Non-Preferred Brand	50%	50%	50%	50%	30%
Rx Specialty	50%	50%	50%	50%	30%
Actuarial Value					
2019 Federal AVC, Adjusted if Necessary	71.9%	74.0%	77.8%	87.6%	94.9%

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## µJakely

#### **HDHP Plan Designs**

2019 Plan Desig	ns - HDHP Plans
Silver	Bronze
HSA Q/HDHP	HSA Q/HDHP
\$1,550	\$5,250
\$1,350	\$1,350
Yes	Yes
\$6,650	\$6,650
\$1,350	\$1,350
Rx -No, Medical - Yes	Rx -No, Medical - Yes
	Aggregate with
	Combined Medical/Rx
	embedded \$7,900 Single
	MOOP; 2x Individual
	Preventive
	Wellness scripts
	Copay / Coinsurance
	50%
	50%
	50%
	50%
	0%
	50%
	50%
	50%
	50%
	50%
•	\$12
•	40%
50%	60%
50%	60%
	60.7%
	Silver           HSA Q/HDHP           \$1,550           \$1,350           Yes           \$6,650           \$1,350           Rx -No, Medical - Yes           Aggregate with           Combined Medical/Rx           embedded \$7,900 Single           MOOP; 2x Individual           Preventive           Wellness scripts           Copay / Coinsurance           30% </td

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	HDHP Plan Desig	gns – Cost Sharing Reduc			
		2019 Plan Designs - H			
Deductible/OOP Max	70% AV Silver	250-300% FPL (73% AV)	200-250% FPL (77% AV)	150-200% FPL (87% AV)	133-150% FPL (94% AV)
Type of Plan	HSA Q/HDHP	HSA Q/HDHP	HSA Q/HDHP	Deductible (NOT HSAQ)	Deductible (NOT HSAQ)
Medical Ded	\$1,550	\$1,550	\$1,350	\$1,200	\$550
Rx Ded	\$1,350	\$1,350	N/A	N/A	N/A
Integrated Ded	Yes	Yes	Yes	Yes	Yes
Medical MOOP	\$6,650	\$4,800	\$3,300	\$1,200	\$550
Rx MOOP	\$1,350	\$1,350	\$1,350	N/A	N/A
Integrated MOOP	Rx -No, Medical - Yes	Rx -No, Medical - Yes	Rx -No, Medical - Yes	Yes	Yes
Family Deductible / OOP	Aggregate with Combined Medical/Rx embedded \$7,900 Single MOOP; 2x Individual	Aggregate with Combined Medical/Rx embedded \$7,900 Single MOOP; 2x Individual	Aggregate, 2x Individual	Aggregate, 2x Individual	Aggregate, 2x Individual
Medical Deductible waived for:	Preventive	Preventive	Preventive	Preventive	Preventive
Drug Deductible waived for:	Wellness scripts	Wellness scripts	Wellness scripts	Wellness scripts	Wellness scripts
Service Category	Copay / Coinsurance	Copay / Coinsurance	Copay / Coinsurance	Copay / Coinsurance	Copay / Coinsurance
Inpatient	30%	25%	25%	0%	0%
Outpatient	30%	25%	25%	0%	0%
ER	30%	25%	25%	0%	0%
Radiology (MRI, CT, PET)	30%	25%	25%	0%	0%
Preventive	0%	0%	0%	0%	0%
PCP Office Visit	10%	10%	10%	0%	0%
MH/SA Office Visit	10%	10%	10%	0%	0%
Specialist Office Visit	30%	25%	25%	0%	0%
Urgent Care	30%	25%	25%	0%	0%
Ambulance	30%	25%	25%	0%	0%
Rx Generic	\$10	\$10	\$10	\$0	\$0
Rx Preferred Brand	\$40	\$40	\$40	\$0	\$0
Rx Non-Preferred Brand	50%	50%	50%	0%	0%
		500/	E00/	00/	0%
Rx Specialty	50%	50%	50%	0%	0%
Rx Specialty Actuarial Value	50%	50%	50%	0%	0%

### HDHP Plan Designs – Cost Sharing Reduction Plans

### Appendix F – Class I Pediatric Dental Codes

These procedures are diagnostic and preventive in nature. Under the definition of what is essential they may have limits. The services and limits are described in the Department of Vermont Health Access, Dental Procedure/Fee Schedule (Effective for services provided on or after 11/01/2013)

D0120 Periodic Oral Evaluation

D0140 Limited Oral Evaluation – Problem Focused

D0145 Oral Evaluation for a patient under three years of age and counseling with primary caregiver D0150 Comprehensive Oral Evaluation

D0170 Re-evaluation – Limited, Problem Focused

D0210 Intraoral Radiographs– Complete Series (including bitewings)

D0220 Intraoral Radiographs - Periapical - First Film

D0230 Intraoral Radiographs- Periapical - Each Additional Film

D0240 Intraoral – Occlusal Film

D0250 Extraoral – First Film

D0260 Extraoral – Each Additional Film

D0270 Bitewing – Single Film

D0272 Bitewings – 2 Films

D0273 Bitewings – 3 Films

D0274 Bitewings – 4 Films

D0330 Panoramic Film

D0340 Cephalometric Film

D0350 Oral/Facial Photographic Images

D0364 Cone Beam CT Capture and Interpretation with Limited Field of View - Less Than One Whole Jaw

D0365 Cone Beam CT Capture and Interpretation with Limited Field of View of One Full Dental Arch - Mandible

D0366 Cone Beam CT Capture and Interpretation with Limited Field of View of One Full Dental Arch - Maxilla, with or without Cranium

- D0367 Cone Beam CT Capture and Interpretation with Limited Field of View of Both Jaws, With or Without Cranium
- D0368 Cone Beam CT Capture and Interpretation for TMJ Series Including Two or More Exposures

D0391 Interpretation of Diagnostic Image by a Practitioner Not Associated with Capture of the Image, Including the Report

D0470 Diagnostic Models

D1120 Prophylaxis - Child

D1208 Topical Application of Fluoride

D1330 Oral Hygiene Instructions

D1351 Sealant – Per Tooth

D1351 U9 Sealant – Per Tooth-Deciduous second molars and bicuspids\*

D1352 Preventive resin restoration in a moderate to high caries risk patient -permanent tooth

D1510 Space Maintainer - Fixed – Unilateral

D1515 Space Maintainer – Fixed – Bilateral

D1525 Space Maintainer – Removable – Bilateral

D1550 Recementation of Space Maintainer

### Appendix G – Summary of Adjustments Considered and Final Adjusted AVs

Adjustments Considered	Aggregate Ded	Aggregate MOOP, Embedded \$7,900	Stacked MOOP	Drug Regulation	Preventive Drugs	Pediatric Dental	AV from AVC	Final Adjusted AV
Silver HDHP – Embedded	Yes	Yes	No	Yes	Yes	Yes	72.8%	70.3%
\$7,900 Individual MOOP								
Bronze HDHP– Embedded \$7,900 Individual MOOP	Yes	Yes	No	Yes	Yes	Yes	62.0%	60.7%
Silver Deductible	No	No	No	Yes	No	Yes	71.3%	71.9%
Bronze Deductible (with pharmacy limit)	No	No	Yes	Yes	No	Yes	60.5%	61.3%
Silver HDHP - Embedded \$7,900 Individual MOOP CSR 73%	Yes	Yes	No	Yes	Yes	Yes	75.5%	73.0%
Silver HDHP - Embedded \$7,900 Individual MOOP CSR 77%	Yes	Yes	No	Yes	Yes	Yes	79.1%	76.8%
Silver HDHP - Embedded \$7,900 Individual MOOP CSR 87%	Yes	Yes	No	No	Yes	Yes	87.4%	86.9%
Silver HDHP - Embedded \$7,900 Individual MOOP CSR 94%	Yes	Yes	No	No	Yes	Yes	93.7%	93.7%
Silver Deductible CSR – 73%	No	No	Yes	Yes	No	Yes	73.4%	74.0%
Silver Deductible CSR – 77%	No	No	Yes	Yes	No	Yes	77.3%	77.8%
Silver Deductible CSR – 87%	No	No	Yes	Yes	No	Yes	87.4%	87.6%
Silver Deductible CSR – 94%	No	No	Yes	Yes	No	Yes	94.7%	94.9%

### Appendix H – Screen Shots and AV Development

- 1. Silver HDHP Embedded MOOP
- 2. Bronze HDHP Embedded MOOP
- 3. Silver Deductible Plan
- 4. Bronze Deductible Plan (with pharmacy limit)
- 5. Silver HDHP Embedded MOOP CSR 73%
- 6. Silver HDHP Embedded MOOP CSR 77%
- 7. Silver HDHP Embedded MOOP CSR 87%
- 8. Silver HDHP Embedded MOOP CSR 94%
- 9. Silver Deductible CSR 73%
- 10. Silver Deductible CSR 77%
- 11. Silver Deductible CSR 87%
- 12. Silver Deductible CSR 94%



#### 1. Silver HDHP – Embedded MOOP

AV from AVC = 72.8%

Adjusted AV = 70.3%

#### AVC Screen Shot:

#### User Inputs for Plan Parameters

oser inputs for flair diameters										
Use Integrated Medical and Drug Deductible?	<b>v</b>		HSA/HRA Options		Tie	red Network O	ption			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution?		Tiered	Network Plan?				
Apply Skilled Nursing Facility Copay per Day?		Annual Control	bution Amount:	ć0.00	1st	Tier Utilization:	100%			
Use Separate MOOP for Medical and Drug Spending?		Annual Contri	bution Amount:	\$0.00	2nd	Tier Utilization:	0%			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier	Silver 💌									
	Tie	r 1 Plan Benefit De	esign		Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$1,550.00							
Coinsurance (%, Insurer's Cost Share)			70.00%							
MOOP (\$)			\$6,650.00							
MOOP if Separate (\$)										
Click Here for Important Instructions		Tie	er 1			Tie	er 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay applie	s only after
Type of Benefit	Deductible?	Coinsurance?	different	separate		Coinsurance?	different	separate	deduc	
Medical	All	All			All	All			All	All
Emergency Room Services	~	✓								
All Inpatient Hospital Services (inc. MH/SUD)	<b>v</b>	<ul><li>✓</li></ul>								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	~	✓	90%							
X-rays)			5078		_					-
Specialist Visit	•	◄								
Mental/Behavioral Health and Substance Use Disorder Outpatient	<b>v</b>	✓	90%							
Services			5078							
Imaging (CT/PET Scans, MRIs)	<ul><li>✓</li></ul>	•								
Speech Therapy	~	✓								
	~	<b>~</b>								
Occupational and Physical Therapy					_				-	-
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	•									
X-rays and Diagnostic Imaging	•	<								
Skilled Nursing Facility	<ul><li>✓</li></ul>	•								
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	~	✓								
Outpatient Surgery Physician/Surgical Services	•	•								
Drugs	All	All			All	All			All	🗌 All
Generics	>			\$10.00					>	
Preferred Brand Drugs	<b>v</b>			\$40.00					>	

 Non-Preferred Brand Drugs
 Image: Specialty Drugs (i.e. high-cost)
 Image: Specialty Drugs (i.e. high-cost)

 Options for Additional Benefit Design Limits:
 Image: Specialty Rx Coinsurance Payments?

 Set a Maximum on Specialty Rx Coinsurance Maximum:

 Set a Maximum Number of Days for Charging an IP Copay?

 # Days (1-10):

 Begin Primary Care Cost-Sharing After a Set Number of Visits?

 # Visits (1-10):

 Begin Primary Care Deductible/Coinsurance After a Set Number of Copays?

 Copays?

 # Copays (1-10):

Issuer HIOS ID:

50%

50%

Plan Description:

Plan HIOS ID:

Name:

NOTE: Office-visit-specific cost-sharing is applying to x-rays in office settings.

2019 Silver HDHP Plan

Calculate

Status/Error Messages: Actuarial Value:

Metal Tier:

Error: Result is outside of [-4, +2] percent de minimis variation. 72.81%

Additional Notes:

Calculation Time:

0.0391 seconds

Final 2019 AV Calculator

0.0391 secon



#### 1. Silver HDHP – Embedded MOOP, Continued

#### HDHP Model – Normalization:

Inputs						
Enter valu	es in the blue cells	below, choose a	setting option froi	m the drop down l	box, and press 'Calcule	ate'.
Press 'Co	alculate' anytime a	n input or dropdo	own selection is ch	anged.		
Note th	hat the model run-	time will vary bas	ed on the comput	ters processing spe	eed.	
A mess	age box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
-	vidual Deductible	1,550	1,550			
F	amily Deductible	3,100	3,100			
Individu	ual Out-of-Pocket	6,650	6,650			
Fam	ily Out-of-Pocket	13,300	13,300			
Coinsura	nce (50% or Less)	27%	29%			
Individual I	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5
		Calculat	te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$289.21	\$45.07	\$334.29		
	Plan PMPM	\$215.74	\$27.64	\$243.38		
	Actuarial Value	74.6%	61.3%	72.8%		



#### 1. Silver HDHP – Embedded MOOP, Continued

#### HDHP Model – Adjusted Actuarial Value:

		Actuarial value				
Inputs						
Enter valu	ues in the blue cells	below, choose a s	setting option fro	m the drop down	box, and press 'Calc	ulate'.
Press 'C	alculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note t	hat the model run-	time will vary bas	ed on the compu	ters processing spe	eed.	
A mes	sage box will appe	ar to indicate that	t the calculations	are done.		
		Medical	Rx			
Indi	ividual Deductible	1,550	1,350			
	Family Deductible	3,100	2,700			
Individ	lual Out-of-Pocket	6,650	1,350			
Fan	nily Out-of-Pocket	13,300	2,700			
Coinsur	ance (50% or Less)	27%	29%			
ndividual Embedded Moop:		7,900				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	ООР Туре	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Aggregate Plus	
		Calculat	te			
		-				
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$289.21	\$45.07	\$334.29		
	Plan PMPM	\$205.39	\$29.50	\$234.89		
	Actuarial Value	71.0%	65.5%	70.3%		

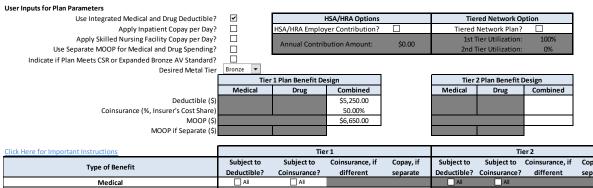


#### 2. Bronze HDHP - Embedded MOOP

AV from AVC = 62.0%

Adjusted AV = 60.7%

#### AVC Screen Shot:



Type of Benefit	Subject to	Subjectio	comsurance, n	copay, ii	Subjectio	Subject to CC	insurance, n	copay, ii	copay applies	sonly alter
i jpe of beliefte	Deductible?	Coinsurance?	different	separate	Deductible?	Coinsurance?	different	separate	deduct	ible?
Medical	All	🗌 All			All	All			All	🗌 All
Emergency Room Services	Y	>								
All Inpatient Hospital Services (inc. MH/SUD)	>	<ul><li>✓</li></ul>								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and X-rays)	V	•								
Specialist Visit	>	~								
Mental/Behavioral Health and Substance Use Disorder Outpatient Services	V	•								
Imaging (CT/PET Scans, MRIs)	>	~								
Speech Therapy	>	<ul><li>✓</li></ul>								
Occupational and Physical Therapy	V	~								
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	>	<ul><li>✓</li></ul>								
X-rays and Diagnostic Imaging	>	~								
Skilled Nursing Facility	Y	<b>v</b>								
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	•	•								
Outpatient Surgery Physician/Surgical Services	•	•								
Drugs	All	🗌 All			All	All			All	All
Generics	V			\$12.00					✓	
Preferred Brand Drugs	>	<b>v</b>	60%							
Non-Preferred Brand Drugs	>	<b>v</b>	40%							
Specialty Drugs (i.e. high-cost)	>	~	40%							
Options for Additional Benefit Design Limits:			Plan Description:							

Options for Additional Benefit Design Limits:	
Set a Maximum on Specialty Rx Coinsurance Payments?	
Specialty Rx Coinsurance Maximum:	
Set a Maximum Number of Days for Charging an IP Copay?	
# Days (1-10):	
Begin Primary Care Cost-Sharing After a Set Number of Visits?	
# Visits (1-10):	
Begin Primary Care Deductible/Coinsurance After a Set Number of	
Copays?	
# Copays (1-10):	
Output	

Name: 2019 Bronze HDHP Plan Plan HIOS ID: Issuer HIOS ID:

Calculate Status/Error Messages: Actuarial Value:

Metal Tier:

Additional Notes:

Calculation Time: Final 2019 AV Calculator 0.0391 seconds

61.97%

Bronze

Calculation Successful.

Tier 1

Tier 2

/ afte



#### 2. Bronze HDHP – Embedded MOOP, Continued

#### HDHP Model – Normalization:

			1		1	
Inputs						
Enter valı	ues in the blue cells	below, choose a	settina option fro	m the drop down l	box, and press 'Calcula	ite'.
	alculate' anytime a			•		
	, hat the model run-			-	ed.	
	sage box will appe	•	-			
		Medical	Rx			
Indi	vidual Deductible	5,250	5,250			
	Family Deductible	10,500	10,500			
Individ	ual Out-of-Pocket	6,650	6,650			
Fam	nily Out-of-Pocket	13,300	13,300			
Coinsura	ance (50% or Less)	48%	47%			
ndividual Embedded Moop:		7,900				
		Co	osts that Accumul	ate		
			0	OP	Deductible /	
		Deductible	Medical	Rx	ООР Туре	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	
		Calculat	te			
		-				
Results						
incourto						
		Medical	Rx	Total		
	Allowed PMPM	\$322.69	\$50.29	\$372.98		
	Plan PMPM	\$207.42	\$23.87	\$231.29		
	Actuarial Value	64.3%	47.5%	62.0%		

#### 2. Bronze HDHP – Embedded MOOP, Continued

#### HDHP Model – Adjusted Actuarial Value:

Inputs						
Enter valu	ues in the blue cells	below, choose a s	setting option fro	m the drop down l	box, and press 'Calcula	te'.
Press 'Co	alculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note t	hat the model run-	time will vary bas	ed on the compu	ters processing spe	ed.	
A mess	sage box will appe	ar to indicate that	the calculations	are done.		
		Medical	Rx			
	vidual Deductible	5,250	1,350			
	Family Deductible	10,500	2,700			
Individ	ual Out-of-Pocket	6,650	1,350			
Farr	nily Out-of-Pocket	13,300	2,700			
Coinsura	ance (50% or Less)	48%	47%			
ndividual	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Aggregate Plus	
		Calculat	.e			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$322.69	\$50.29	\$372.98		
	Plan PMPM	\$196.71	\$29.78	\$226.49		
	Actuarial Value	61.0%	59.2%	60.7%		



3. Silver Deductible

AV from AVC = 71.25%

#### Adjustments

• HDHP Model with drug adjustments / HDHP Model without drug adjustments = 66.65%/66.04% = 1.009 x .7125 = 71.9%

#### Adjusted AV = 71.9%

#### AVC Screen Shot:

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?			HSA/HRA Options		Tie	red Network O	ption			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution?		Tiered	Network Plan?				
Apply Skilled Nursing Facility Copay per Day?		Annual Contril	oution Amount:	\$0.00	1st T	Fier Utilization:	: 100%			
Use Separate MOOP for Medical and Drug Spending?		Annual Contin	Julion Amount.	\$0.00	2nd 1	Fier Utilization:	: 0%			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?					•					
Desired Metal Tier	Silver 🔻			_						
		1 Plan Benefit De				2 Plan Benefit				
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)	\$2,800.00	\$300.00								
Coinsurance (%, Insurer's Cost Share)	60.00%	50.00%								
MOOP (\$)	\$7,50	00.00								
MOOP if Separate (\$)										
Click Here for Important Instructions		Tie					ier 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay applie	
	Deductible?	Coinsurance?	different	separate		Coinsurance?	different	separate	deduc	
Medical	All	All			All	Ali			AI	All
Emergency Room Services	2			\$250.00					<u> </u>	
All Inpatient Hospital Services (inc. MH/SUD)	<ul><li>✓</li></ul>	•								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and				\$30.00						
X-rays)				-						
Specialist Visit				\$75.00						
Mental/Behavioral Health and Substance Use Disorder Outpatient				\$30.00						
Services Imaging (CT/PET Scans, MRIs)	<b>v</b>									
Speech Therapy				\$75.00						
Speech merapy										
Occupational and Physical Therapy				\$75.00						
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services					1 1	Ē				
X-rays and Diagnostic Imaging									Π	Π
Skilled Nursing Facility	2									
									_	
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	<ul><li>✓</li></ul>	<ul><li>✓</li></ul>								_
Outpatient Surgery Physician/Surgical Services	Y	<ul><li>✓</li></ul>								
Drugs	All	All			All	All			🗌 Ali	🗌 Ali
Generics				\$15.00						
Preferred Brand Drugs				\$60.00					<ul><li>✓</li></ul>	
Non-Preferred Brand Drugs	•									
Specialty Drugs (i.e. high-cost)	Y									
Options for Additional Benefit Design Limits:			Plan Description							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	2019 Silver Ded	luctible Plan					
Specialty Rx Coinsurance Maximum:	_		Plan HIOS ID:							
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:							
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):	_									
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays? # Copays (1-10):										
# copays (1-10).										
Calculate										
	Calculation Succe	ssful.								
	71.25%									
	Silver									
	NOTE: Office-visi	t-specific cost-sh	aring is applying t	o x-rays in office	e settings.					
Additional Notes:			o is oppifing (							
Calculation Time:	0.043 seconds									
Final 2019 AV Calculator										



#### 3. Silver Deductible, Continued

#### HDHP Model – Without Prescription Drug Adjustments:

Inputs						
•	ues in the hlue cells	helow choose as	setting ontion from	n the dron down h	oox, and press 'Calcul	nte'
	alculate' anytime a			•		
	hat the model run-				ed.	
A mess	sage box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
Indi	vidual Deductible	2,800	300			
F	Family Deductible	5,600	600			
Individ	ual Out-of-Pocket	7,500	7,500			
Fam	nily Out-of-Pocket	15,000	15,000			
Coinsura	ance (50% or Less)	36%	34%			
ndividual	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	ООР Туре	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	
		Calculat	ie			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$289.21	\$45.07	\$334.29		
	Plan PMPM	\$190.05	\$30.71	\$220.76		
	Actuarial Value	65.7%	68.1%	66.04%		



#### 3. Silver Deductible, Continued

#### HDHP Model – With Prescription Drug Adjustments:

		ionpaon brag /	lajaotinonto.			
Inputs						
Enter valu	ies in the blue cells	below, choose a	setting option fro	m the drop down b	oox, and press 'Calcula	te'.
	alculate' anytime a			•		
Note tl	hat the model run-	time will vary bas	ed on the compu	ters processing spe	ed.	
A mess	sage box will appe	ar to indicate that	t the calculations	are done.		
		Medical	Rx			
	vidual Deductible	2,800	300			
F	Family Deductible	5,600	600			
Individ	ual Out-of-Pocket	7,500	1,350			
Fam	nily Out-of-Pocket	15,000	2,700			
Coinsura	ance (50% or Less)	36%	34%			
ndividual	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Stacked	
		Calculat	te			
Results						
Nesuits						
		Medical	Rx	Total		
	Allowed PMPM	\$289.21	\$45.07	\$334.29		
	Plan PMPM	\$189.18	\$33.63	\$222.80		
	Actuarial Value	65.4%	74.6%	66.65%		



#### 4. Bronze Deductible (with drug limit)

#### AV from AVC = 60.5%

#### Adjustments

• HDHP Model with drug adjustments / HDHP Model without drug adjustments = 61.5%/60.7% = 1.013 x .605 = 61.3%

#### Adjusted AV = 61.3%

#### AVC Screen Shot:

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?			HSA/HRA Options		Tie	red Network O	ption			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution?		Tiered	Network Plan?				
Apply Skilled Nursing Facility Copay per Day?		Annual Contril	bution Amount:	\$0.00	1st	Tier Utilization:	100%			
Use Separate MOOP for Medical and Drug Spending?		Annual Contin	button Anount.	Ş0.00	2nd	Tier Utilization:	: 0%			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier				•						
		1 Plan Benefit De				2 Plan Benefit				
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)	\$5,500.00	\$900.00								
Coinsurance (%, Insurer's Cost Share)	50.00%	40.00%								
MOOP (\$)		00.00		1						
MOOP if Separate (\$)			1				1			
Click Here for Important Instructions		Tie	or 1			ті	er 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		Coinsurance, if	Copay, if	Copay applie	
Type of Benefit	Deductible?	Coinsurance?	different	separate		Coinsurance?		separate	deduct	
Medical		All	uncrent	Separate	All	All	uncient	Separate		All
Emergency Room Services										
All Inpatient Hospital Services (inc. MH/SUD)	<u> </u>	<u> </u>							Π	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and				*** **					_	
X-rays)				\$35.00						
Specialist Visit	<b>v</b>			\$90.00					<b>v</b>	
Mental/Behavioral Health and Substance Use Disorder Outpatient	_			\$35.00		_			_	
Services				\$35.00						
Imaging (CT/PET Scans, MRIs)	•									
Speech Therapy	<b>I</b>	<u> </u>		\$90.00					2	
	<b>v</b>			\$90.00					•	
Occupational and Physical Therapy									-	—
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00	_	
Laboratory Outpatient and Professional Services	<u> </u>	<u> </u>								
X-rays and Diagnostic Imaging										
Skilled Nursing Facility										
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	<b>~</b>	<ul> <li></li> </ul>								
	<b>.</b>									
Outpatient Surgery Physician/Surgical Services Drugs		All								
Generics				\$20.00						
Preferred Brand Drugs				\$85.00						
Non-Preferred Brand Drugs				\$65.00						
Specialty Drugs (i.e. high-cost)	<b>I</b>								Ē.	
Options for Additional Benefit Design Limits:			Plan Description:							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	2019 Bronze De	ductible Plan -	with Rx Limit				
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:							
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:							
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?		1								
# Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output										
Calculate										
Status/Error Messages:	Calculation Succe	essful.								
Actuarial Value:	60.47%									
Metal Tier:	Bronze									
a liter - las s	NUTE: Uffice-visi	t-specific cost-sh	aring is applying t	o x-rays in office	e settings.					
Additional Notes:										
Calculation Time:	0.0352 seconds									
Final 2019 AV Calculator										

#### 4. Bronze Deductible (Continuing, with drug limit), Continued

HDHP Model – Without Prescription Drug Adjustments:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option from	m the drop down l	box, and press 'Calcul	ate'.
Press 'Ca	ılculate' anytime a	n input or dropdo	own selection is ch	anged.		
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing spe	eed.	
A mess	age box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
	vidual Deductible	5,500	900			
F	amily Deductible	11,000	1,800			
Individu	ual Out-of-Pocket	7,900	7,900			
Fam	ily Out-of-Pocket	15,800	15,800			
Coinsura	nce (50% or Less)	47%	45%			
Individual E	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5
		Calculat	te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$322.69	\$50.29	\$372.98		
	Plan PMPM	\$196.59	\$29.72	\$226.31		
	Actuarial Value	60.9%	59.1%	60.7%		

#### 4. Bronze Deductible (Continuing, with drug limit), Continued

HDHP Model – With Prescription Drug Adjustments:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option fro	m the drop down	box, and press 'Calcule	ate'.
Press 'Ca	ılculate' anytime a	n input or dropdo	own selection is ch	nanged.		
Note th	nat the model run-	time will vary bas	ed on the compu	ters processing sp	eed.	
A mess	age box will appe	ar to indicate that	the calculations	are done.		
		Medical	Rx			
	vidual Deductible	5,500	900			
F	amily Deductible	11,000	1,800			
Individu	ual Out-of-Pocket	7,900	1,350			
Fam	ily Out-of-Pocket	15,800	2,700			
Coinsura	nce (50% or Less)	47%	45%			
Individual E	Embedded Moop:	7,900				
		Co	osts that Accumu	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Stacked	2
		Calculat	te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$322.69	\$50.29	\$372.98		
	Plan PMPM	\$194.83	\$34.64	\$229.47		
	Actuarial Value	60.4%	68.9%	61.5%		



#### 5. Silver HDHP – Embedded MOOP CSR – 73%

AV from AVC = 75.5%

Adjusted AV = 73.0%

#### AVC Screen Shot:

#### User Inputs for Plan Parameters Use Integrated Medical and Drug Deductible? • HSA/HRA Options Tiered Network Option Apply Inpatient Copay per Day? HSA/HRA Employer Contribution? Tiered Network Plan? Apply Skilled Nursing Facility Copay per Day? 1st Tier Utilization Annual Contribution Amount: \$0.00 Use Separate MOOP for Medical and Drug Spending? 2nd Tier Utilizatio Indicate if Plan Meets CSR or Expanded Bronze AV Standard? • Desired Metal Tier Silver -Tier 1 Plan Benefit Design Tier 2 Plan Benefit Design Medical Medical Drug Combined Drug Combined Deductible (\$) \$1,550.00 Coinsurance (%, Insurer's Cost Share) 75.00% MOOP (\$) \$4,800.00 MOOP if Separate (\$) lick Here for Important Instructio Tier 1 Tier 2 Tier 1 Tier 2 Subject to Subject to Coinsurance, if Copay, if Subject to Coinsurance, if Subject to Copay, if Copay applies only after Type of Benefit different deductible? different Deductible? Coinsurance? Deductible? Coinsurance? separate separat Al Medical All 1 2 Emergency Room Services All Inpatient Hospital Services (inc. MH/SUD) V • Π Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and • ✓ 90% X-rays) $\checkmark$ • Specialist Visit Mental/Behavioral Health and Substance Use Disorder Outpatient • • 90% Services • • Imaging (CT/PET Scans, MRIs) • Speech Therapy ✓ ~ Occupational and Physical Therapy Preventive Care/Screening/Immunization 100% \$0.00 Laboratory Outpatient and Professional Services • X-rays and Diagnostic Imaging ☑ Skilled Nursing Facility • Outpatient Facility Fee (e.g., Ambulatory Surgery Center) ✓ ☑ Outpatient Surgery Physician/Surgical Services ☑ m All All П Drugs Generics \$10.00 Preferred Brand Drugs \$40.00 ✓✓ • Non-Preferred Brand Drugs 50% Specialty Drugs (i.e. high-cost) 50% m **Options for Additional Benefit Design Limits:** Plan Description: 2019 HDHP Plan CSR Variations - 250-300% FPL Set a Maximum on Specialty Rx Coinsurance Payments? (73% AV) Name: Plan HIOS ID: Specialty Rx Coinsurance Maximum: Set a Maximum Number of Days for Charging an IP Copay? Issuer HIOS ID: # Days (1-10); Begin Primary Care Cost-Sharing After a Set Number of Visits? # Visits (1-10): Begin Primary Care Deductible/Coinsurance After a Set Number of Copays? # Copays (1-10): Output Calculate Status/Error Messages: Error: Result is outside of +/- 1 percent de minimis variation for CSRs. Actuarial Value: 75.50% Metal Tier: NOTE: Office-visit-specific cost-sharing is applying to x-rays in office settings. Additional Notes:

Calculation Time: Final 2019 AV Calculator 0.0391 seconds



#### 5. Silver HDHP – Embedded MOOP CSR – 73%, Continued

#### HDHP Model – Normalization:

Inputs						
Enter valu	ies in the blue cells	below, choose a s	setting option from	m the drop down	box, and press 'Calculo	ite'.
Press 'Co	alculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note tl	hat the model run-	time will vary bas	ed on the comput	ters processing sp	eed.	
A mess	sage box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
	vidual Deductible	1,550	1,550			
F	Family Deductible	3,100	3,100			
Individ	ual Out-of-Pocket	4,800	4,800			
Fam	nily Out-of-Pocket	9,600	9,600			
Coinsura	ance (50% or Less)	23%	29%			
Individual	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	Į.
		Calculat	ie de la constant de			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$301.26	\$46.95	\$348.21		
	Plan PMPM	\$233.39	\$29.55	\$262.94		
	Actuarial Value	77.5%	62.9%	75.5%		

### 5. Silver HDHP – Embedded MOOP CSR – 73%, Continued

#### HDHP Model – Adjusted Actuarial Value:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option from	m the drop down l	box, and press 'Calcul	ate'.
	ılculate' anytime a			•		
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing spe	eed.	
A mess	age box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
Indiv	vidual Deductible	1,550	1,350			
F	amily Deductible	3,100	2,700			
Individu	ual Out-of-Pocket	4,800	1,350			
Fam	ily Out-of-Pocket	9,600	2,700			
Coinsura	nce (50% or Less)	23%	29%			
Individual E	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Aggregate Plus	6
		Calculat	te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$301.26	\$46.95	\$348.21		
	Plan PMPM		\$31.06	\$254.34		
	Actuarial Value	74.1%	66.2%	73.0%		



#### 6. Silver HDHP – Embedded MOOP CSR – 77%

AV from AVC = 79.1%

Adjusted AV = 76.8%

#### AVC Screen Shot:

#### User Inputs for Plan Parameters

User inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	✓		HSA/HRA Options		Tie	red Network O	otion			
Apply Inpatient Copay per Day?		HSA/HRA Employ	yer Contribution?		Tiered	Network Plan?				
Apply Skilled Nursing Facility Copay per Day?		Annual Contrib	oution Amount:	\$0.00	1st	Tier Utilization:	100%			
Use Separate MOOP for Medical and Drug Spending?		Annual Continu	Jution Amount.	ŞU.UU	2nd	Tier Utilization:	0%			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?	<b>v</b>									
Desired Metal Tier	Gold 🔻									
	Tie	r 1 Plan Benefit De	sign		Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$1,350.00							
Coinsurance (%, Insurer's Cost Share)			75.00%							
MOOP (\$)			\$3,300.00							
MOOP if Separate (\$)										
Click Here for Important Instructions		Tie	r1			Tie	er 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if		ies only after
	Deductible?	Coinsurance?	different	separate	Deductible?		different	separate		ctible?
Medical	All	All			All	All			Al	All
Emergency Room Services	NN									
All Inpatient Hospital Services (inc. MH/SUD)	×	2								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and			90%							
X-rays)										
Specialist Visit	V	<b>v</b>								
Mental/Behavioral Health and Substance Use Disorder Outpatient		<b>I</b>	90%							
Services		—			—					
Imaging (CT/PET Scans, MRIs)	Y	•								
Speech Therapy	2	<b>_</b>								
	>	<b>~</b>								
Occupational and Physical Therapy		_			_					
Preventive Care/Screening/Immunization			100%	\$0.00		<u> </u>	100%	\$0.00	i	4
Laboratory Outpatient and Professional Services	> >	<u>.</u>								
X-rays and Diagnostic Imaging										
Skilled Nursing Facility	N	•								- <u> </u>
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	Y	•								
Outpatient Surgery Physician/Surgical Services	Ŋ	•								
Drugs	All	All			All	Al			Al	All
Generics	N			\$10.00						
Preferred Brand Drugs	N			\$40.00						
Non-Preferred Brand Drugs	V		50%							
Specialty Drugs (i.e. high-cost)	V	•	50%							

Options for Additional Benefit Design Limits:		Plan Description	1:
		1	2019 HDHP
			Plan CSR
			Variations - 200-
			250% FPL
Set a Maximum on Specialty Rx Coinsurance Payments	?	Name:	(77% AV)
Specialty Rx Coinsurance Maximum	:	Plan HIOS ID:	
Set a Maximum Number of Days for Charging an IP Copay	?	Issuer HIOS ID:	
# Days (1-10)	:		
Begin Primary Care Cost-Sharing After a Set Number of Visits	?	1	
# Visits (1-10)	:		
Begin Primary Care Deductible/Coinsurance After a Set Number o	f	1	
Copays	?		
# Copays (1-10)	:		
Output			
Calculate			
Status/Error Messages:	Error: Result is o	utside of +/- 1 percent de minimis	variation for CSRs.
Actuarial Value:	79.10%		
Metal Tier:			
	NOTE: Office-vis	it-specific cost-sharing is applying	to x-rays in office settings.
Additional Notes:			

Calculation Time: Final 2019 AV Calculator 0.043 seconds



#### 6. Silver HDHP – Embedded MOOP CSR – 77%, Continued

#### HDHP Model – Normalization:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option froi	m the drop down	box, and press 'Cal	culate'.
Press 'Ca	lculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing sp	eed.	
A mess	age box will appe	ar to indicate that	the calculations o	are done.		
		Medical	Rx			
	idual Deductible	1,350	1,350			
F	amily Deductible	2,700	2,700			
Individu	al Out-of-Pocket	3,300	3,300			
Fam	ily Out-of-Pocket	6,600	6,600			
Coinsura	nce (50% or Less)	23%	27%			
Individual E	mbedded Moop:	7,900				
		Cc	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5
		Calculat	ie			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$315.99	\$49.25	\$365.24		
	Plan PMPM	\$255.70	\$33.30	\$289.00		
	Actuarial Value	80.9%	67.6%	79.1%		

#### 6. Silver HDHP – Embedded MOOP CSR – 77%, Continued

#### HDHP Model – Adjusted Actuarial Value:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option from	m the drop down	box, and press 'Cal	culate'.
Press 'Ca	ılculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing sp	peed.	
A mess	age box will appe	ar to indicate that	the calculations o	are done.		
		Medical	Rx			
	vidual Deductible	1,350	1,350			
F	amily Deductible	2,700	2,700			
Individu	ual Out-of-Pocket	3,300	1,350			
Fam	ily Out-of-Pocket	6,600	2,700			
Coinsura	ince (50% or Less)	23%	27%			
Individual E	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Aggregate Plus	6
		Calculat	ie			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$315.99	\$49.25	\$365.24		
	Plan PMPM	\$247.19	\$33.48	\$280.68		
	Actuarial Value	78.2%	68.0%	76.8%		



#### 7. Silver HDHP – Embedded MOOP CSR – 87%

AV from AVC = 87.4%

Adjusted AV = 86.9%

#### AVC Screen Shot:

#### User Inputs for Plan Parameters

<b>v</b>	HSA/HRA Options			Tiered Network Option		
	HSA/HRA Employ	er Contribution?		Tiered Network Plan?		
	Annual Cantrile		ć0.00	1st T	ier Utilization	: 100%
	Annual Contribution Amount:		ŞU.UU	2nd T	ier Utilization	: 0%
<b>~</b>						
Gold 💌						
Tier 1 Plan Benefit Design			Tier 2 Plan Benefit Design			
Medical	Drug	Combined		Medical	Drug	Combined
		\$1,200.00				
		100.00%				
		\$1,200.00				
						-
Tier 1			Tier 2			
	Gold Tier	HSA/HRA Employ HSA/HRA Employ Annual Contrib  V Gold  Tier 1 Plan Benefit De Medical Drug	HSA/HRA Employer Contribution? Annual Contribution Amount:  Tier 1 Plan Benefit Design Medical Drug Combined S1,200.00 S1,200.00 S1,200.00	HSA/HRA Employer Contribution?       Annual Contribution Amount:       \$0.00       ✓       Gold       ✓       Medical     Drug       Combined       \$1,200.00       \$1,200.00	HSA/HRA Employer Contribution?     Tiered I       Annual Contribution Amount:     \$0.00       ✓     Ist T       Gold     Tier 1 Plan Benefit Design       Medical     \$1,200.00       100.00%       \$1,200.00	HSA/HRA Employer Contribution?     Tiered Network Plan:       Annual Contribution Amount:     \$0.00       Ist Tier Utilization     2nd Tier Utilization       Gold     Tier 1 Plan Benefit Design       Medical     Drug       S1,200.00     \$1,200.00       \$1,200.00     \$1,200.00

Click Here for Important Instructions	Tier 1				Ti	er 2		Tier 1	Tier 2	
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay appli	es only after
Type of benefit	Deductible?	Coinsurance?	different	separate	Deductible?		different	separate		tible?
Medical	All	All			All	All			All	All
Emergency Room Services		2 2								
All Inpatient Hospital Services (inc. MH/SUD)		2								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and		_			_	_			_	_
X-rays)		~								
Specialist Visit		•								
Mental/Behavioral Health and Substance Use Disorder Outpatient		_			_	_			_	_
Services		•								
Imaging (CT/PET Scans, MRIs)		7								
Speech Therapy		•								
***************************************										
Occupational and Physical Therapy		<b>v</b>								
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services		2		70.00						
X-rays and Diagnostic Imaging										
Skilled Nursing Facility										Π
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)		~								
Outpatient Surgery Physician/Surgical Services		7				Π				
Drugs	All	All							All	
Generics										
Preferred Brand Drugs		 V								
Non-Preferred Brand Drugs		 V								
Specialty Drugs (i.e. high-cost)						Π				
Options for Additional Benefit Design Limits:			Plan Description	· ·						
		T	r lan Desenption	2019 HDHP						
				Plan CSR						
				Variations - 150						
				200% FPL						
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	(87% AV)						
Specialty Rx Coinsurance Payments: Specialty Rx Coinsurance Maximum:			Plan HIOS ID:	(0//0 (14)						
Set a Maximum Number of Days for Charging an IP Copay?		+	Issuer HIOS ID:							
# Days (1-10):			issuer mos ID.							
Begin Primary Care Cost-Sharing After a Set Number of Visits?		+								
# Visits (1-10):										
# VISITS (1-10): Begin Primary Care Deductible/Coinsurance After a Set Number of		4								
Copays?										
# Copays (1-10): Output		T								

Output

Calculate Status/Error Messages: Actuarial Value:

Metal Tier:

Final 2019 AV Calculator

CSR Level of 87% (150-200% FPL), Calculation Successful. 87.40% Gold

Additional Notes:

Calculation Time:

0.0312 seconds



#### 7. Silver HDHP – Embedded MOOP CSR – 87%, Continued

#### HDHP Model – Normalization:

Inputs						
-	ies in the blue cells	below. choose a s	settina option fro	m the drop down l	box, and press 'Calcula	ite'.
	alculate' anytime a	-		•		
Note tl	hat the model run-	time will vary bas	ed on the compu	ters processing spe	eed.	
A mess	sage box will appe	ar to indicate that	the calculations	are done.		
		Medical	Rx			
Indi	vidual Deductible	1,200	1,200			
F	Family Deductible	2,400	2,400			
Individ	ual Out-of-Pocket	1,200	1,200			
Fam	nily Out-of-Pocket	2,400	2,400			
Coinsura	ance (50% or Less)	0%	0%			
Individual	Embedded Moop:	7,350				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	Į.
		Calculat	:e			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$321.35	\$50.08	\$371.43		
	Plan PMPM	\$284.67	\$39.96	\$324.63		
	Actuarial Value	88.6%	79.8%	87.4%		

### 7. Silver HDHP – Embedded MOOP CSR – 87%, Continued

	-					
Inputs						
Enter valu	ies in the blue cells	below, choose a s	setting option from	n the drop down b	oox, and press 'Cal	culate'.
	alculate' anytime a					
Note tl	hat the model run-	time will vary bas	ed on the comput	ers processing spe	ed.	
A mess	sage box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
Indi	vidual Deductible	1,200	1,200			
F	amily Deductible	2,400	2,400			
Individ	ual Out-of-Pocket	1,200	1,200			
Fam	nily Out-of-Pocket	2,400	2,400			
Coinsura	ance (50% or Less)	0%	0%			
Individual	Embedded Moop:	7,350				
		Cc	osts that Accumula	ate		
			0	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Aggregate Plus	6
		Calculat	e			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$321.35	\$50.08	\$371.43		
	Plan PMPM	\$283.05	\$39.73	\$322.79		
	Actuarial Value	88.1%	79.3%	86.9%		

#### HDHP Model – Adjusted Actuarial Value:



#### 8. Silver HDHP – Embedded MOOP CSR – 94%

AV from AVC = 93.7%

Adjusted AV = 93.7%

#### AVC Screen Shot:

#### User Inputs for Plan Parameters

eser inputs for Flair functions								
Use Integrated Medical and Drug Deductible?	<b>v</b>	HSA/HRA Options			Tiered Network Option			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	over Contribution?		Tiered	Tiered Network Plan?		
Apply Skilled Nursing Facility Copay per Day?		Annual Canta	ibution Amount:	\$0.00	1st T	ier Utilization	: 100%	
Use Separate MOOP for Medical and Drug Spending?		Annual Contri	ibution Amount:	ŞU.UU	2nd T	ier Utilization	. 0%	
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?	<b>v</b>							
Desired Metal Tier	Platinum 💌							
	Tie	r 1 Plan Benefit D	esign		Tier	2 Plan Benefit	Design	
	Medical	Drug	Combined		Medical	Drug	Combined	
Deductible (\$)			\$550.00					
Coinsurance (%, Insurer's Cost Share)			100.00%					
MOOP (\$)		•	\$550.00					
MOOP if Separate (\$)								
Click Here for Important Instructions		Ti	er 1			Ti	er 2	
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	

Type of Benefit	Subject to	Subject to	Coinsurance, in		Subject to		Coinsurance, if		Copay applie	
	Deductible?	Coinsurance?	different	separate		Coinsurance?	different	separate	deduct	
Medical	AI				All	All			Al	
Emergency Room Services		<b>&gt;</b>								
All Inpatient Hospital Services (inc. MH/SUD)		×								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and		•								
X-rays)					_	_			_	
Specialist Visit		<b>v</b>								
Mental/Behavioral Health and Substance Use Disorder Outpatient		•								
Services					_	_				_
Imaging (CT/PET Scans, MRIs)										i
Speech Therapy		<b>.</b>								
Occupational and Physical Therapy		✓								
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services										
X-rays and Diagnostic Imaging	v V	<ul><li>✓</li><li>✓</li></ul>								
Skilled Nursing Facility		~								
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)		•								
Outpatient Surgery Physician/Surgical Services		7								
Drugs	Al	All				All			Al	
Generics		2								
Preferred Brand Drugs		<b>v</b>								
Non-Preferred Brand Drugs		<b>v</b>								
Specialty Drugs (i.e. high-cost)		<b>v</b>								
Options for Additional Benefit Design Limits:			Plan Descriptio	n:						
				2019 HDHP Plan CSR Variations - 133 150% FPL	-					
Set a Maximum on Specialty Rx Coinsurance Payments	?		Name:	(94% AV)						
Specialty Rx Coinsurance Maximum	:		Plan HIOS ID:							
Set a Maximum Number of Days for Charging an IP Copay # Days (1-10)			Issuer HIOS ID:							
Begin Primary Care Cost-Sharing After a Set Number of Visits # Visits (1-10)	?	1								
Begin Primary Care Deductible/Coinsurance After a Set Number o	f	1								
Copays		1								
# Copays (1-10)	:	1								
Output Calculate										
Status/Error Messages:	CSR Level of 949	6 (100-150% FPL),	Calculation Succe	essful.						
Actuarial Value:	93.66%									

Actuarial Value: Metal Tier: 93.66% Platinum

Additional Notes:

Calculation Time: Final 2019 AV Calculator 0.0352 seconds



#### 8. Silver HDHP – Embedded MOOP CSR – 94%, Continued

#### HDHP Model – Normalization:

Inputs						
Enter valu	ies in the blue cells	below, choose a s	setting option from	m the drop down	box, and press 'Calcula	ıte'.
Press 'Co	alculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note tl	hat the model run-	time will vary bas	ed on the comput	ters processing sp	eed.	
A mess	sage box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
	vidual Deductible	550	550			
F	Family Deductible	1,100	1,100			
Individ	ual Out-of-Pocket	550	550			
Fam	nily Out-of-Pocket	1,100	1,100			
Coinsura	ance (50% or Less)	0%	0%			
Individual	Embedded Moop:	7,350				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	I.
		Calculat	ce			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$337.42	\$52.59	\$390.00		
	Plan PMPM	\$318.45	\$46.86	\$365.31		
	Actuarial Value	94.4%	89.1%	93.7%		

#### 8. Silver HDHP – Embedded MOOP CSR – 94%, Continued

#### HDHP Model – Adjusted Actuarial Value:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option fro	m the drop down	box, and press 'Calc	ulate'.
Press 'Ca	ılculate' anytime a	n input or dropdo	own selection is ch	anged.		
Note th	nat the model run-	time will vary bas	ed on the compu	ters processing s	peed.	
A mess	age box will appe	ar to indicate that	t the calculations	are done.		
		Medical	Rx			
	vidual Deductible	550	550			
F	amily Deductible	1,100	1,100			
Individu	ual Out-of-Pocket	550	550			
Fam	ily Out-of-Pocket	1,100	1,100			
Coinsura	nce (50% or Less)	0%	0%			
Individual E	Embedded Moop:	7,350				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Aggregate Plus	6
		Calculat	te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$337.42	\$52.59	\$390.00		
	Plan PMPM	\$318.44	\$46.81	\$365.24		
	Actuarial Value	94.4%	89.0%	93.7%		



#### 9. Silver Deductible CSR – 73%

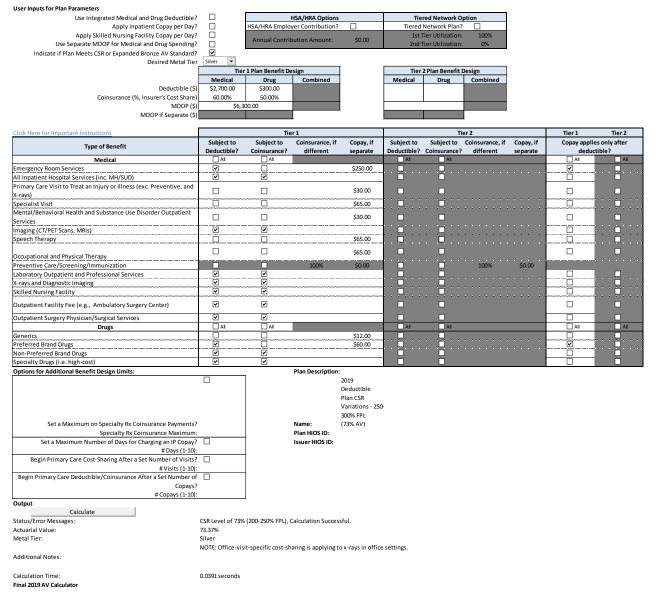
#### AV from AVC = 73.37%

#### Adjustments

 HDHP Model with drug adjustments / HDHP Model without drug adjustments = 68.86%/68.30% = 1.008 x 73.37% = 74.0%

#### Adjusted AV = 74.0%

#### AVC Screen Shot:



# Wakely

#### 9. Silver Deductible CSR – 73%, Continued

#### HDHP Model – Without Prescription Drug Adjustments:

Inputs		•				
Enter valu	es in the blue cells	below. choose a s	settina option fro	m the drop down	box, and press 'Calc	ulate'.
	Iculate' anytime a			-		
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing spe	eed.	
A mess	age box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
-	vidual Deductible	2,700	300			
F	amily Deductible	5,400	600			
Individu	ual Out-of-Pocket	6,300	6,300			
Fam	ily Out-of-Pocket	12,600	12,600			
Coinsura	nce (50% or Less)	36%	33%			
Individual E	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5
		Calculat	:e			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$301.26	\$46.95	\$348.21		
	Plan PMPM	\$204.97	\$32.87	\$237.84		
	Actuarial Value	68.0%	70.0%	68.30%		

# Wakely

#### 9. Silver Deductible CSR – 73%, Continued

#### HDHP Model – With Prescription Drug Adjustments:

Inputs									
Enter valu	es in the blue cells	below, choose a	setting option fro	m the drop down b	oox, and press 'Calcula	ıte'.			
	Iculate' anytime a			-					
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing spe	ed.				
A mess	age box will appe	ar to indicate that	e that the calculations are done.						
		Medical	Rx						
Indiv	vidual Deductible	2,700	300						
F	amily Deductible	5,400	600						
Individu	ual Out-of-Pocket	6,300	1,200						
Fam	ily Out-of-Pocket	12,600	2,400						
Coinsura	nce (50% or Less)	36%	33%						
Individual E	Embedded Moop:	7,900							
		Co	osts that Accumul	ate					
			0	OP	Deductible /				
		Deductible	Medical	Rx	ООР Туре				
	Settings	Medical & Rx	Medical & Rx	Rx Only	Stacked	2			
		Calculat	te						
Results									
		Medical	Rx	Total					
	Allowed PMPM	\$301.26	\$46.95	\$348.21					
	Plan PMPM	\$203.97	\$35.81	\$239.79					
	Actuarial Value	67.7%	76.3%	68.86%					



#### 10. Silver Deductible CSR - 77%

#### AV from AVC = 77.3%

#### Adjustments

• HDHP Model with drug adjustments / HDHP Model without drug adjustments = 73.3%/72.8% = 1.007 x .773 = 77.8%

#### Adjusted AV = 77.8%

#### AVC Screen Shot:

User Inputs for Plan Parameters									
Use Integrated Medical and Drug Deductible?			HSA/HRA Options		Tie	red Network Option			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution?			Network Plan?			
Apply Skilled Nursing Facility Copay per Day?		Annual Contri	bution Amount:	\$0.00		Tier Utilization: 100			
Use Separate MOOP for Medical and Drug Spending?					2nd	Tier Utilization: 0%			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?									
Desired Metal Tier				7					
		1 Plan Benefit D		1		2 Plan Benefit Design			
	Medical	Drug	Combined		Medical	Drug Combi	ned		
Deductible (\$)	\$2,200.00	\$200.00							
Coinsurance (%, Insurer's Cost Share) MOOP (\$)	60.00%	50.00% 00.00		-					
MOOP (\$) MOOP if Separate (\$)	\$4,9	50.00		1					
MOOP II Separate (3)			1						
Click Here for Important Instructions		Tie	er 1			Tier 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to Coinsura	nce, if Copay, if	Copay applie	
Type of Benefit	Deductible?	Coinsurance?	different	separate		Coinsurance? differ		deduct	
Medical	All	All			All	All		All	All
Emergency Room Services				\$250.00					
All Inpatient Hospital Services (inc. MH/SUD)	<ul> <li>✓</li> <li>✓</li> </ul>								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and		_		ć-20.00	_	_			
X-rays)				\$20.00					
Specialist Visit				\$40.00					
Mental/Behavioral Health and Substance Use Disorder Outpatient				\$20.00					
Services	_			320.00					
Imaging (CT/PET Scans, MRIs)		<b>v</b>							
Speech Therapy				\$40.00					
				\$40.00					
Occupational and Physical Therapy	_						% \$0.00		_
Preventive Care/Screening/Immunization			100%	\$0.00		100	% \$0.00		_
Laboratory Outpatient and Professional Services	<ul> <li>✓</li> <li>✓</li> </ul>	<u>.</u>							
X-rays and Diagnostic Imaging									H
Skilled Nursing Facility									
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	✓	✓							
Outpatient Surgery Physician/Surgical Services		•							
Drugs						All			
Generics				\$12.00					
Preferred Brand Drugs	<u> </u>	ō		\$60.00				2	
Non-Preferred Brand Drugs	▼ ▼								
Specialty Drugs (i.e. high-cost)	<b>v</b>	•							
Options for Additional Benefit Design Limits:			Plan Description	:					
				2019					
				Deductible					
				Plan CSR					
				Variations - 200	F				
				250% FPL					
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	(77% AV)					
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:						
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:						
# Days (1-10):	_								
Begin Primary Care Cost-Sharing After a Set Number of Visits?									
# Visits (1-10): Begin Primary Care Deductible/Coinsurance After a Set Number of									
Copays?									
# Copays (1-10):									
Output		1							
Calculate									
Status/Error Messages:	Error: Result is o	utside of +/- 1 pe	rcent de minimis	variation for CSR	s.				
Actuarial Value:	77.26%								
Metal Tier:									
	NOTE: Office-vis	t-specific cost-sh	aring is applying	to x-rays in office	e settings.				
Additional Notes:									
Calculation Time:	0.043 seconds								
Final 2019 AV Calculator									



#### 10. Silver Deductible CSR – 77%, Continued

HDHP Model – Without Prescription Drug Adjustments:

Inputs									
Enter valu	ies in the blue cells	below, choose a s	setting option fro	m the drop down	box, and press 'Calculc	ite'.			
Press 'Co	alculate' anytime a	n input or dropdo	own selection is ch	anged.					
Note tl	hat the model run-	time will vary bas	ed on the compu	ters processing sp	eed.				
A mess	age box will appe	ar to indicate that	o indicate that the calculations are done.						
		Medical	Rx						
	vidual Deductible	2,200	200						
F	amily Deductible	4,400	400						
Individ	ual Out-of-Pocket	4,900	4,900						
Fam	ily Out-of-Pocket	9,800	9,800						
Coinsura	ance (50% or Less)	34%	33%						
Individual	Embedded Moop:	7,900							
		Co	osts that Accumul	ate					
			C	OP	Deductible /				
		Deductible	Medical	Rx	OOP Type				
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5			
		Calculat	te						
Results									
		Medical	Rx	Total					
	Allowed PMPM	\$315.99	\$49.25	\$365.24					
	Plan PMPM	\$229.58	\$36.15	\$265.73					
	Actuarial Value	72.7%	73.4%	72.8%					



#### 10. Silver Deductible CSR – 77%, Continued

#### HDHP Model – With Prescription Drug Adjustments:

Inputs						
•						
				-	box, and press 'Calcula	te.
	lculate' anytime a	· · · · · · · · · · · · · · · · · · ·		-	ad	
	age box will appe	-	-	ters processing spe		
A messo	ige box will upper			ure uone.		
		Medical	Rx			
Indiv	idual Deductible	2,200	200			
Fa	amily Deductible	4,400	400			
Individu	al Out-of-Pocket	4,900	1,000			
Fami	ly Out-of-Pocket	9,800	2,000			
Coinsura	nce (50% or Less)	34%	33%			
Individual E	mbedded Moop:	7,900				
		Co	osts that Accumu	late		
			C	OOP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Stacked	
		Calculat				
		Calcula				
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$315.99	\$49.25	\$365.24		
	Plan PMPM	\$228.46	\$39.08	\$267.54		
	Actuarial Value	72.3%	79.4%	73.3%		



#### 11. Silver Deductible CSR - 87%

#### AV from AVC = 87.4%

#### Adjustments

• HDHP Model with drug adjustments / HDHP Model without drug adjustments = 85.7%/85.5% = 1.002 x .874= 87.6%

#### Adjusted AV = 87.6%

#### AVC Screen Shot:

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?			HSA/HRA Option			red Network O				
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution	?		Network Plan Tier Utilization				
Apply Skilled Nursing Facility Copay per Day? Use Separate MOOP for Medical and Drug Spending?		Annual Contril	oution Amount:	\$0.00		Tier Utilization				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier				_						
		1 Plan Benefit De				2 Plan Benefit				
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)		\$150.00 50.00%								
Coinsurance (%, Insurer's Cost Share) MOOP (\$)		00.00		-						
MOOP if Separate (\$)				-						
Click Here for Important Instructions		Tie					ier 2		Tier 1	Tier 2
Type of Benefit	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate	Copay applie deduct	
Medical			unrerent	separate	All	All	unterent	separate		
Emergency Room Services				\$250.00						
All Inpatient Hospital Services (inc. MH/SUD)	<b>I</b>	2								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and				\$10.00						
X-rays)						-				
Specialist Visit Mental/Behavioral Health and Substance Use Disorder Outpatient				\$30.00						
Services				\$10.00						
Imaging (CT/PET Scans, MRIs)										
Speech Therapy				\$30.00						
				\$30.00						
Occupational and Physical Therapy Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services		_ ✓	100%	ŞU.UU						
X-rays and Diagnostic Imaging	<ul><li>✓</li></ul>	2							ō	
Skilled Nursing Facility	2	2								
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)		~								
Outpatient Surgery Physician/Surgical Services	V	7								
Drugs	All	All				All			□ All	All
Generics Preferred Brand Drugs				\$10.00 \$50.00						
Non-Preferred Brand Drugs	<ul> <li>✓</li> <li>✓</li> </ul>			\$50.00		-				
Specialty Drugs (i.e. high-cost)	2	<u> </u>			Ē	Ē			ō	
Options for Additional Benefit Design Limits:	•	_	Plan Description							
				2019						
				Deductible						
				Plan CSR Variations - 150						
				200% FPL						
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	(87% AV)						
Specialty Rx Coinsurance Maximum:		-	Plan HIOS ID:							
Set a Maximum Number of Days for Charging an IP Copay? # Days (1-10):			Issuer HIOS ID:							
Begin Primary Care Cost-Sharing After a Set Number of Visits? # Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of		1								
Copays?										
# Copays (1-10): Output		]								
Calculate	CCD Louis of CTM	(150 200% 551)	Calaulatian C	ممقررا						
Status/Error Messages: Actuarial Value:	CSR Level of 8/% 87.43%	(150-200% FPL), (	Laiculation Succe	551UÍ.						
Metal Tier:	Gold									
		it-specific cost-sh	aring is applying	to x-rays in office	settings.					
Additional Notes:										
Calculation Time:	0.0391 seconds									
Final 2019 AV Calculator										



# 11. Silver Deductible CSR – 87%, Continued

HDHP Model – Without Prescription Drug Adjustments:

Inputs						
Enter valu	ies in the blue cells	below, choose a s	setting option fro	m the drop down	box, and press 'Calculd	nte'.
Press 'Co	alculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note ti	hat the model run-	time will vary bas	ed on the compu	ters processing sp	eed.	
A mess	age box will appe	ar to indicate that				
		Medical	Rx			
Indi	vidual Deductible	800	150			
F	amily Deductible	1,600	300			
Individ	ual Out-of-Pocket	1,800	1,800			
Fam	nily Out-of-Pocket	3,600	3,600			
Coinsura	ance (50% or Less)	33%	29%			
Individual	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5
	Calcula		te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$321.35	\$50.08	\$371.43		
	Plan PMPM	\$275.74	\$41.68	\$317.42		
	Actuarial Value	85.8%	83.2%	85.5%		



#### 11. Silver Deductible CSR – 87%, Continued

#### HDHP Model – With Prescription Drug Adjustments:

Inputs						
Enter valu	ies in the blue cells	below, choose a s	setting option from	m the drop down b	oox, and press 'Calcula	ıte'.
Press 'Co	alculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note th	hat the model run-	time will vary bas	ed on the comput	ers processing spe	ed.	
A mess	age box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
	vidual Deductible	800	150			
F	amily Deductible	1,600	300			
Individu	ual Out-of-Pocket	1,800	400			
Fam	ily Out-of-Pocket	3,600	800			
Coinsura	nce (50% or Less)	33%	29%			
ndividual I	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	ООР Туре	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Stacked	
		Calculat	e e			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$321.35	\$50.08	\$371.43		
	Plan PMPM	\$274.48	\$43.86	\$318.34		
	Actuarial Value	85.4%	87.6%	85.7%		



#### 12. Silver Deductible CSR – 94%

#### AV from AVC = 94.7%

#### Adjustments

• HDHP Model with drug adjustments / HDHP Model without drug adjustments = 95.1%/94.9% = 1.002 x .946 = 94.9%

#### Adjusted AV = 94.9%

#### AVC Screen Shot:

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible			HSA/HRA Option	5	Tie	red Network Opt	on			
Apply Inpatient Copay per Day		HSA/HRA Emplo	yer Contribution	2	Tiered	Network Plan?				
Apply Skilled Nursing Facility Copay per Day		Annual Control		ć0.00	1st <sup>-</sup>	Tier Utilization:	100%			
Use Separate MOOP for Medical and Drug Spending		Annual Contril	oution Amount:	\$0.00	2nd	Tier Utilization:	0%			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard										
Desired Metal Tie										
Desired Wetar He		r 1 Plan Benefit De		1	Tier	2 Plan Benefit De	atau			
				-						
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$	\$150.00	\$0.00								
Coinsurance (%, Insurer's Cost Share)	90.00%	70.00%								
MOOP (\$	\$90	00.00								
MOOP if Separate (\$										
			-							
Click Here for Important Instructions		Tie	er 1			Tier	2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		oinsurance, if	Copay, if	Copay appli	
Type of Benefit	Deductible?	Coinsurance?	different	separate	Deductible?	•	different	separate	deduc	
Medical			unterent	separate	All		unterent	separate		
		_		675 00	1					
Emergency Room Services	<	<u>U</u>		\$75.00		<u> </u>				
All Inpatient Hospital Services (inc. MH/SUD)		2								
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and				\$5.00						
X-rays)				ŞJ.00		-				_
Specialist Visit				\$15.00						
Mental/Behavioral Health and Substance Use Disorder Outpatient										
Services				\$5.00						
	•	•								
Imaging (CT/PET Scans, MRIs)										
Speech Therapy	□			\$15.00						
				\$15.00						
Occupational and Physical Therapy		-		\$15.00	_				1	_
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	<b>I</b>	<ul><li>✓</li></ul>			_					
X-rays and Diagnostic Imaging	✓ ✓	✓								8
		2				Ā			ö	Ē
Skilled Nursing Facility						<u> </u>				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	<b>v</b>	✓								
					_	_				
Outpatient Surgery Physician/Surgical Services	<b>v</b>	7								
Drugs	🗌 All	🗌 All			🗌 Ali	🗌 All			🗌 All	
Generics				\$5.00						
Preferred Brand Drugs				\$20.00						
Non-Preferred Brand Drugs		•								
Specialty Drugs (i.e. high-cost)	ΗĒ	<u> </u>			Ē	Ē			Π	Ē
		Ľ								
Options for Additional Benefit Design Limits:	_	٦	Plan Description							
				2019						
				Deductible						
				Plan CSR						
				Variations - 133						
				150% FPL						
Set a Maximum on Specialty Rx Coinsurance Payments			Name:	(94% AV)						
Specialty Rx Coinsurance Maximum			Plan HIOS ID:	(- )						
Set a Maximum Number of Days for Charging an IP Copay		-	Issuer HIOS ID:							
#Days (1-10)			issuel hios ib.							
		-								
Begin Primary Care Cost-Sharing After a Set Number of Visits										
# Visits (1-10)										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays	•									
# Copays (1-10)										
Output		-								
Calculate										
Status/Error Messages:	CSR Level of 040	(100-150% FPL), (	alculation Succo	ssful						
Actuarial Value:	94.66%	, 1200-12070 FFL), (	La. culation succe							
Metal Tier:	Platinum									
	NOTE: Office-vis	it-specific cost-sh	aring is applying	to x-rays in office	settings.					
Additional Notes:										
Calculation Time:	0.0391 seconds									
Final 2019 AV Calculator	2.2352 3000/103									



#### 12. Silver Deductible CSR – 94%, Continued

#### HDHP Model – Without Prescription Drug Adjustments:

Inputs						
Enter valu	es in the blue cells	below, choose a s	setting option froi	m the drop down	box, and press 'Calc	ulate'.
Press 'Ca	lculate' anytime a	n input or dropdo	wn selection is ch	anged.		
Note th	nat the model run-	time will vary bas	ed on the comput	ters processing sp	eed.	
A mess	age box will appe	ar to indicate that	the calculations of	are done.		
		Medical	Rx			
	idual Deductible	150	0			
F	amily Deductible	300	0			
Individu	al Out-of-Pocket	900	900			
Fam	ily Out-of-Pocket	1,800	1,800			
Coinsura	nce (50% or Less)	9%	15%			
Individual E	mbedded Moop:	7,900				
		Co	osts that Accumul	ate		
			0	ОР	Deductible /	
		Deductible	Medical	Rx	OOP Type	
	Settings	Medical & Rx	Medical & Rx	Medical & Rx	Stacked	5
		Calculat	ie			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$337.42	\$52.59	\$390.00		
	Plan PMPM	\$321.17	\$49.04	\$370.20		
	Actuarial Value	95.2%	93.3%	94.9%		



#### 12. Silver Deductible CSR – 94%, Continued

#### HDHP Model – With Prescription Drug Adjustments:

Inputs						
•						4-1
	es in the blue cells ilculate' anytime a			•	oox, and press 'Calcula	te'.
	•	• •		ters processing spe	ad	
	age box will appe	,	•			
A IIIC33	uge box will upper					
		Medical	Rx			
Indiv	vidual Deductible	150	0			
F	amily Deductible	300	0			
Individu	ual Out-of-Pocket	900	200			
	ily Out-of-Pocket	1,800	400			
Coinsura	nce (50% or Less)	9%	15%			
Individual I	Embedded Moop:	7,900				
		Co	osts that Accumul	ate		
			C	OP	Deductible /	
		Deductible	Medical	Rx	ООР Туре	
	Settings	Medical & Rx	Medical & Rx	Rx Only	Stacked	
		Calculat	te			
Results						
		Medical	Rx	Total		
	Allowed PMPM	\$337.42	\$52.59	\$390.00		
	Plan PMPM	\$320.71	\$50.01	\$370.72		
	Actuarial Value	95.0%	95.1%	95.1%		

#### Introduction

On December 28, 2017, CMS released the final methodology on the Actuarial Value and the final Actuarial Value Calculator (AVC) for 2019. CMS made few changes in the 2019 AVC. Most notably, they trended the underlying claims to calendar year 2019.

#### Limitations of the Federal Actuarial Calculator

The AVC is known to have some limitations with respect to certain benefit designs. The most important limitations in the Final Actuarial Value Calculator for the Blue Rewards (Non-Standard) plans are:

- The AVC does not support the Rx OOPM Limit as dictated by Act 171.
- The AVC does not support Wellness (Safe Harbor) pharmacy drugs outside the deductible on HSA compliant plans.
- The AVC does not support certain MH/SA visits at no cost share before the deductible.
- The AVC does not support a copayment on, Urgent Care, Emergency Medical Transportation, DME services nor Home Health Care.
- The AVC does not support Class I Pediatric Dental covered at no cost share.

#### Method Used to Calculate Adjustments

The objective of the adjustment process is to produce an estimate of the result the AVC would have produced with respect to the specific plan in question had it been able to measure all cost sharing elements for that plan. We created a model to calculate the ratio of expected benefits to allowed charges. See the description of the BCBSVT AV Model (BAVM) below. We used the BAVM to calculate both the complete benefit design and the benefit design for items supported by the AVC. We then applied the ratio of the two values to the AVC output for items supported by the AVC.

#### BCBSVT AV Model Methodology

BCBSVT uses a re-adjudication model to assess the impact of various deductible types, Rx limits, and out-of-pocket maximums to calculate the paid-to-allowed ratio for different benefit designs. The re-adjudication is performed using the same set of claims for all benefit plans. Claims data was taken from BCBSVT's data warehouse. The starting point of the analysis is allowed charges as determined by the BCBSVT claims adjudication system. The claims data includes benefit codes that enable us to identify the services and benefit structures (copays, deductibles, and coinsurance). The 2015 claims from BCBSVT Qualified Health Plans members that maintain their benefit and tier type throughout the year are

included in the analysis. We compared the allowed claims per member per month (PMPM) and the modelled paid-to-allowed ratio for this population relative to the entire QHP population and found the differences to be immaterial. The model uses calendar year 2015 claims, trended to 2019 using 3.25 percent trend from 2015 to 2019 and 5.4 percent trend for 2018 to 2019 for Medical claims and 11.5 percent trend for 2015 to 2019 for Pharmacy claims<sup>1</sup>. The claims were categorized based on the cost sharing applied for each service, and one record was generated for each unique combination of member and service date. For all products, claims for preventive mandated benefits were kept separate. The model assumes these are paid in a manner consistent with the mandates.

The tables following the Actuarial Opinion show the relationship between the BAVM and the AVC.

A complete description of plan provisions is attached at the end of this document. The tables following the Actuarial Opinion contain information regarding the specific benefits that were calculated as adjustments to the AVC model.

On April 18, 2017, CMS finalized the Market Stabilization rule. In this rule, CMS widen the Actuarial Value (AV) de minimis included in 45 CFR 156.140(c) from +/- 2 percent to -4/+2 percent. For the two Blue Rewards Gold plans described below, we utilized the wider range of acceptable AV.

Under Vermont's Act 165 of 2016, QHP issuers were given the option to alter the pharmacyspecific out-of-pocket maximum (Rx OOPM) to amounts higher than allowed under 8 V.S.A \$4089i. On February 9, 2017, BCBSVT presented a request to the Green Mountain Care Board (GMCB) to remove the specific Rx OOPM from its existing Blue Rewards Bronze CDHP plan and from its new proposed Blue Rewards Bronze Copayment plan. The GMCB approved this request. The Bronze plans described below reflect a combined Medical and Pharmacy OOPM, without a specific Rx OOPM.

<sup>&</sup>lt;sup>1</sup> BCBSVT used the same trend that CMS used in the 2019 Final AV Calculator (see page 3 of <u>https://www.cms.gov/CCIIO/Resources/Regulations-and-Guidance/Downloads/Final-2019-AV-Calculator-Methodology.pdf</u>)

#### Actuarial Opinion

The purpose of this calculation is to comply with the requirements of 45 CFR 156.135(b)(3). The Actuarial Values were determined based on the plans' benefits and coverage data, the standard population, utilization and continuance tables published by HHS for purposes of valuation of Actuarial Value. These calculations are not intended to be used for other purposes.

I am an Associate of the Society of Actuaries, a Member of the American Academy of Actuaries, meet the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United Stated promulgated by the American Academy of Actuaries, and have the education and experience necessary to perform the work.

In my opinion, each of the plans described herein meets the AV requirements in the metal tiers for calendar year 2019.

The adjustments for plan design features unable to be determined directly through application of the AV calculator were developed in accordance with generally accepted actuarial principals and methodologies, Actuarial Standards of Practice established by the Actuarial Standards Board, and applicable laws and regulations, and are appropriate for the purpose intended.

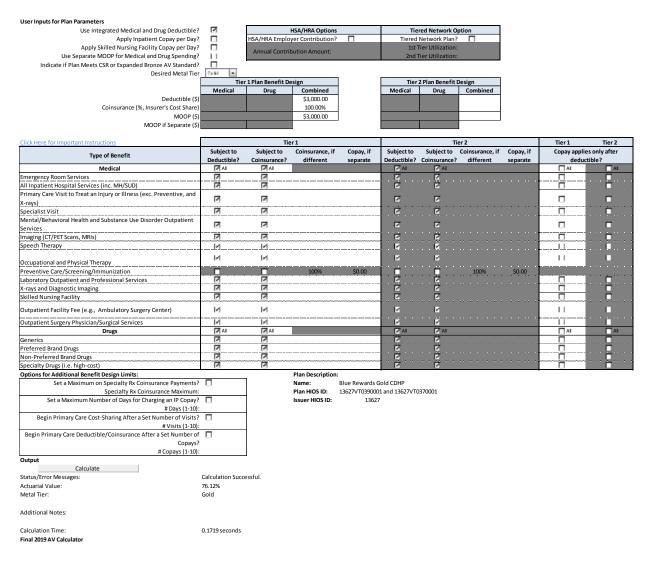
Data used for the analysis were taken from the BCBSVT claims adjudication system, and normalized to the data underlying the AV calculator. This data was reviewed for reasonableness and consistency, but an audit was not performed.

Martine & Lemieur

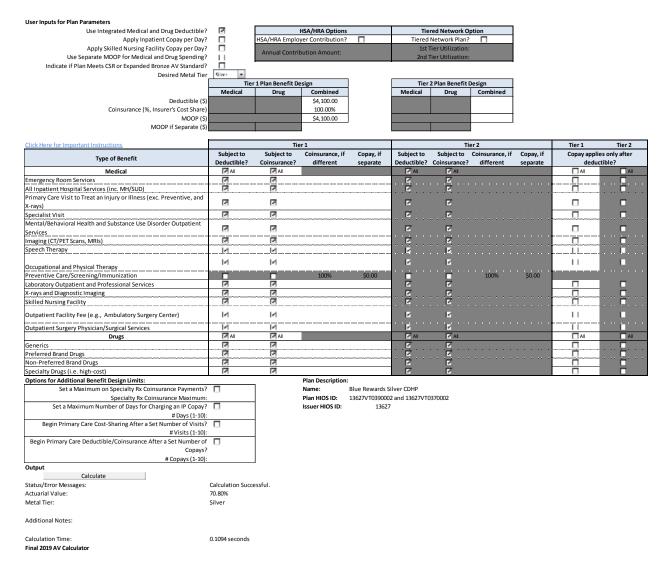
Martine Lemieux, A.S.A., M.A.A.A. Associate Actuary Blue Cross and Blue Shield of Vermont

#### **Blue Rewards CDHP Plans**

Plan : Blue Rewards (Non-Standard) CDHP Plan - Gold								
Itoms supported by the	Deductible	\$3,000						
Items supported by the AV Calculator	Coinsurance	0%						
	OOPM	\$3,000						
AVC Output for items suppo	orted by the AVC	(a)	76.1%					
BCBSVT Model Output for it	tems supported by the AVC	(b)	79.7%					
BCBSVT Model Output for c	(C)	80.3%						
Adjustment to the AVC	Estimated AVC value	(d)=(c)/(b)*(a)	76.7%					



Plan : Blue Rewards (Non-Standard) CDHP Plan - Silver								
Items compared by the	Deductible	\$4,1	00					
Items supported by the AV Calculator	Coinsurance	0%						
AV Calculator	OOPM	\$4,100						
AVC Output for items suppo	(a)	70.8%						
BCBSVT Model Output for it	ems supported by the AVC	(b)	75.4%					
BCBSVT Model Output for c	omplete benefit design	(C)	76.5%					
Adjustment to the AVC	Estimated AVC value	(d)=(c)/(b)*(a)	71.8%					



Plan : Blue Rewards (Non-Standard) CDHP Plan - Silver 73% CSR								
Items compared by the	Deductible	\$3,550						
Items supported by the AV Calculator	Coinsurance	0%						
	OOPM	\$3,550						
AVC Output for items suppo	orted by the AVC	(a)	73.1%					
BCBSVT Model Output for it	ems supported by the AVC	(b)	77.4%					
BCBSVT Model Output for c	omplete benefit design	(C)	78.3%					
Adjustment to the AVC	Estimated AVC value	(d)=(c)/(b)*(a)	73.9%					

User Inputs for Plan Parameters		-								
Use Integrated Medical and Drug Deductible?			HSA/HRA Options			ed Network Op	otion			
Apply Inpatient Copay per Day?		HSA/HRA Employ	ver Contribution?			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?		Annual Contrib	oution Amount:			ier Utilization:				
Use Separate MOOP for Medical and Drug Spending?					2nd T	ier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard? Desired Metal Tier										
Desired Metal Tier		1 Plan Benefit De	cian	7	Tior	2 Plan Benefit D	locian			
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)	Wearear	Diug	\$3,550.00	-	weatcar	Drug	combined			
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$3,550.00	1						
MOOP if Separate (\$)										
Click Here for Important Instructions		Tie				Tie			Tier 1	Tier 2
Type of Benefit	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate		ies only after ctible?
Medical	AI	Al	uncient	Separate	Al	AI	uncrent	Separate	□ All	☐ All
Emergency Room Services	12	17				<u> </u>			- H	Ē
All Inpatient Hospital Services (inc. MH/SUD)	2	7			5	Ē				
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and										
X-rays)		17			E.	E				
Specialist Visit	2	2			6	E				
Mental/Behavioral Health and Substance Use Disorder Outpatient	-	-							-	
Services	2				E	E				
Imaging (CT/PET Scans, MRIs)	2	2			E	E				
Speech Therapy	м	М			5	E.				
	14	ы			E C	12			11	
Occupational and Physical Therapy					_	_				-
Preventive Care/Screening/Immunization	<u> </u>	<u> </u>	100%	\$0.00			100%	\$0.00	_	_
Laboratory Outpatient and Professional Services	7 7	2			E	<u> </u>			<u> </u>	
X-rays and Diagnostic Imaging	10 17				E				<u> </u>	<u> </u>
Skilled Nursing Facility	19	ল			E	E.				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	14	14			E .				11	
Outpatient Surgery Physician/Surgical Services	м	М			E .	R		·····	11	
Drugs	I AI	I All			All 🖉	Z AL			I AI	T All
Generics	17	17			2	2				
Preferred Brand Drugs	2	2			5					
Non-Preferred Brand Drugs					Ē	2				
Specialty Drugs (i.e. high-cost)	P	2			E	E				
Options for Additional Benefit Design Limits:			Plan Description							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:		Silver CDHP - 739					
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:		02 and 13627VT0	370002				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	7					
# Days (1-10):	_									
Begin Primary Care Cost-Sharing After a Set Number of Visits? # Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?	0									
# Copays (1-10):										
Output		1								
Calculate										
Status/Error Messages:	CSR Level of 73%	(200-250% FPL), C	Calculation Succes	ssful.						
Actuarial Value:	73.11%									
Metal Tier:	Silver									
Additional Notes:										
Calculation Time:	0.125 seconds									
Final 2019 AV Calculator										

Plan : Blue Rewards (Non-Standard) CDHP Plan - Silver 77% CSR								
Items compared by the	Deductible	\$2,80	00					
Items supported by the AV Calculator	Coinsurance	0%						
AV Calculator	OOPM	\$2,80	00					
AVC Output for items suppo	AVC Output for items supported by the AVC							
BCBSVT Model Output for it	ems supported by the AVC	(b)	80.4%					
BCBSVT Model Output for co	omplete benefit design	(C)	81.0%					
Adjustment to the AVC	Estimated AVC value	(d)=(c)/(b)*(a)	77.2%					

User Inputs for Plan Parameters			-							
Use Integrated Medical and Drug Deductible?	17		HSA/HRA Options		Tie	red Network O	ntion			
Apply Inpatient Copay per Day?	ö		yer Contribution?			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?	Ξ.					Tier Utilization:				
Use Separate MOOP for Medical and Drug Spending?		Annual Contrit	bution Amount:		2nd	Tier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?	2									
Desired Metal Tier										
		1 Plan Benefit De				2 Plan Benefit				
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$2,800.00							
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$) MOOP if Separate (\$)			\$2,800.00	J		1				
Click Here for Important Instructions		Tie	er 1			Tie	er 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay appli	es only after
Type of Benefit	Deductible?	Coinsurance?	different	separate	Deductible?		different	separate		ctible?
Medical	P AI	IA N			AI 🖉	II 🗹				All
Emergency Room Services All Inpatient Hospital Services (inc. MH/SUD)	2	। र			2 2	5			8	E
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	N	ব			E	Z				
X-rays)										
Specialist Visit		2			E	E				
Mental/Behavioral Health and Substance Use Disorder Outpatient	17	ন			E.	E.				
Services	<u></u>	R			5					_
Imaging (CT/PET Scans, MRIs)						5			<u></u>	
Speech Therapy	м	м			. E	le .				
Occupational and Physical Therapy	14	14			2	2			11	
Preventive Care/Screening/Immunization	-		100%	\$0.00		<b>—</b>	100%	\$0.00		
Laboratory Outpatient and Professional Services		হ	20070	90.00	9 9 9	2	20070	90.00		
X-rays and Diagnostic Imaging	R	R			2	2				Γ
Skilled Nursing Facility	2	2			E	E				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	м			ы	×			П	
Outpatient Surgery Physician/Surgical Services	м	м			E .	12			11	
Drugs	Al	II All			🖂 Al	🖬 Al			I AI	All
Generics	N	M			E	E				
Preferred Brand Drugs	2	2			2	E				
Non-Preferred Brand Drugs	2	2				E				E
Specialty Drugs (i.e. high-cost)	Þ	শ			2	0 0 0 0				
Options for Additional Benefit Design Limits:	_		Plan Description:							
Set a Maximum on Specialty Rx Coinsurance Payments? Specialty Rx Coinsurance Maximum:	U			Blue Rewards S 13627VT039000						
Specialty KX Consurance Maximum: Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	1362/01039000		J370002				
# Days (1-10):	0		issuel hios ib.	13027						
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
#Visits (1-10):	0									
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output Calculate										
	Carera Descult is as		rcent de minimis v	eristian for CCD						
	76.69%	itside of +/- 1 per	cent de minimis v	anation for CSR	5.					
Metal Tier:	10.05/0									
Metal her.										
Additional Notes:										
Calculation Time:	0.125 seconds									
Final 2019 AV Calculator	0.123 Seconds									

Plan : Blue Rewards (Non-Standard) CDHP Plan - Silver 87% CSR								
Items compared by the	Deductible	\$1,3	00					
Items supported by the AV Calculator	Coinsurance	0%						
	OOPM	\$1,300						
AVC Output for items suppo	VC Output for items supported by the AVC							
BCBSVT Model Output for it	ems supported by the AVC	(b)	88.4%					
BCBSVT Model Output for c	omplete benefit design	(C)	88.5%					
Adjustment to the AVC	Estimated AVC value	(d)=(c)/(b)*(a)	86.7%					

Items not supported by the AV Calculator for this plan are Wellness (Safe Harbor) pharmaceuticals not subject to the deductible.

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?			HSA/HRA Options			red Network Op	tion			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution?			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?		Annual Contril	oution Amount:			Tier Utilization:				
Use Separate MOOP for Medical and Drug Spending?					2nd	Tier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier		1 Plan Benefit De	rian		Tior	2 Plan Benefit D	locian			
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)		Diug	\$1,300.00		Weatear	Diug	combined			
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$1,300.00							
MOOP if Separate (\$)										
Click Here for Important Instructions		Tie	- r 1			Tie	er 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		Coinsurance, if	Copay, if	Copay appli	
Type of Benefit	Deductible?	Coinsurance?	different	separate		Coinsurance?	different	separate	deduc	
Medical	I AI	IA 🖸			AI 🛛	🖬 Al			□ AI	All 🗌
Emergency Room Services	2	2			2	E				
All Inpatient Hospital Services (inc. MH/SUD)		M			E	E				
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	17	17			E.	E.				
X-rays)	- 17	2								
Specialist Visit Mental/Behavioral Health and Substance Use Disorder Outpatient	<u>19</u>	<u>1</u>			E	E				-
Services	2	2				2				
Imaging (CT/PET Scans, MRIs)	R	ব			E	E				_
Speech Therapy	M	И			10 10				U U	
***************************************	I									
Occupational and Physical Therapy	м	м			E	×			11	L_
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services		। ह			8	2				
X-rays and Diagnostic Imaging					E	2				
Skilled Nursing Facility		M			E	E				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	ы	м			12	×.			11	
Outpatient Surgery Physician/Surgical Services	м	И			E	E .				
Drugs	AI	All			I AI	E Al				All
Generics	ন	1				2 2 2 2			- H	
Preferred Brand Drugs	1	তি			E	2			Ē	Ē [
Non-Preferred Brand Drugs	1	2			9 9 9 9 9	6				<u> </u>
Specialty Drugs (i.e. high-cost)	۲.	2			E.	2				
Options for Additional Benefit Design Limits:		-	Plan Description:							
Set a Maximum on Specialty Rx Coinsurance Payments?				Blue Rewards S						
Specialty Rx Coinsurance Maximum:		-		13627VT039000		370002				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	7					
# Days (1-10): Begin Primary Care Cost-Sharing After a Set Number of Visits?		-								
#Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output		-								
Calculate										
Status/Error Messages:		(150-200% FPL), (	Calculation Succes	sful.						
Actuarial Value:	86.61%									
Metal Tier:	Gold									
Additional Notes:										
Additional NUCS.										
Calculation Time:	0.1719 seconds									
Final 2019 AV Calculator	0.1717 3000103									

Plan : Blue Rewards (Non-Standard) CDHP Plan - Silver 94% CSR								
Items compared by the	Deductible	\$55	0					
Items supported by the AV Calculator	Coinsurance	0%						
	OOPM	\$550						
AVC Output for items suppo	AVC Output for items supported by the AVC							
BCBSVT Model Output for it	ems supported by the AVC	(b)	94.1%					
BCBSVT Model Output for c	omplete benefit design	(C)	94.2%					
Adjustment to the AVC	Estimated AVC value	(d)=(c)/(b)*(a)	93.7%					

Items not supported by the AV Calculator for this plan are Wellness (Safe Harbor) pharmaceuticals not subject to the deductible.

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	1		HSA/HRA Options	S	Tier	ed Network Op	tion			
Apply Inpatient Copay per Day?		HSA/HRA Employ	ver Contribution	2	Tiered	Network Plan?				
Apply Skilled Nursing Facility Copay per Day?			and an American sta		1st T	ier Utilization:				
Use Separate MOOP for Medical and Drug Spending?	11	Annual Contric	oution Amount:		2nd T	ier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier	Solitons at									
	Tier	1 Plan Benefit De	sign	1	Tier	Plan Benefit D	esign			
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$550.00							
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$550.00	1						
MOOP if Separate (\$)										
			•							
Click Here for Important Instructions		Tie	r1			Tie	r 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay appl	ies only after
Type of Benefit	Deductible?	Coinsurance?	different	separate	Deductible?	Coinsurance?	different	separate	dedu	ctible?
Medical	AI 🖬	IIA 🔽			🖉 All	🖉 All			AI 🗌	All
Emergency Room Services	N	N			2	5				
All Inpatient Hospital Services (inc. MH/SUD)	2	2			5 5	E				
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	-	-							_	-
X-rays)		1			2	E.				
Specialist Visit	2	2			E	E				
Mental/Behavioral Health and Substance Use Disorder Outpatient	_	_							_	
Services		17			E.	E				
Imaging (CT/PET Scans, MRIs)	2	2			6	E				
Speech Therapy	м	м				E			11	
	м				E .	12			11	
Occupational and Physical Therapy	141	14			12	14				
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	1	2			E	Z				
X-rays and Diagnostic Imaging	2	2			E	E.				
Skilled Nursing Facility	2	2			- 1 1 1 1	E				
		1.4				-				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	14			×.	12			11	
Outpatient Surgery Physician/Surgical Services	м	м			E.	E			11	
Drugs	I AI	IA II			🗹 Al	🗹 Al			□ AI	II All
Generics	N	N			2	Z				
Preferred Brand Drugs	2	2			8 8 8	2				
Non-Preferred Brand Drugs	2	2				E				F
Specialty Drugs (i.e. high-cost)	2	2			E	E				
Options for Additional Benefit Design Limits:			Plan Description	1:						
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards S	ilver CDHP - 949	6				
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:	13627VT039000	2 and 13627VT0	370002				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	7					
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output										
Calculate										
Status/Error Messages:	CSR Level of 94%	(100-150% FPL), 0	Calculation Succe	ssful.						
Actuarial Value:	93.66%									
Metal Tier:	Platinum									
Additional Notes:										
Calculation Time:	0.0781 seconds									
Final 2019 AV Calculator										

Plan : Blue Rewards (Non-Standard) CDHP Plan - Bronze								
literate even extend by the	Deductible	\$6,6	50					
Items supported by the AV Calculator	Coinsurance	0%						
AV Calculator	ООРМ	\$6,650						
AVC Output for items suppo	orted by the AVC	(a)	61.4%					
BCBSVT Model Output for it	ems supported by the AVC	(b)	67.9%					
BCBSVT Model Output for c	omplete benefit design	(C)	68.5%					
Adjustment to the AVC	C Estimated AVC value (d)=(c)/(b)*(a)							

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?			HSA/HRA Option:		Tie	red Network (	Option			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution	? 🗖		Network Plan				
Apply Skilled Nursing Facility Copay per Day?		Annual Contri	bution Amount:			Fier Utilization				
Use Separate MOOP for Medical and Drug Spending?					2nd	Fier Utilization	:			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier		1 Plan Benefit D			Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)		Diug	\$6,650.00	-	incurcu.	Diug	combined			
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$6,650.00							
MOOP if Separate (\$)				_						
	·								_	
Click Here for Important Instructions	6. http://		er 1	6	C. H. H. H.		ier 2	<b>6</b>	Tier 1	Tier 2
Type of Benefit	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate	Subject to	Subject to Coinsurance		Copay, if separate		es only after ctible?
Medical	AI	All	unrerent	separate	All	Al	unerent	separate		
Emergency Room Services	2	1								
All Inpatient Hospital Services (inc. MH/SUD)	1	নি			<u>د</u>	E			Ö	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	1								-	
X-rays)	1	2			2	E.				
Specialist Visit	N	2			E	2				
Mental/Behavioral Health and Substance Use Disorder Outpatient	R	M			E	E				
Services						<u>ب</u>				_
Imaging (CT/PET Scans, MRIs)		м			E	E				
Speech Therapy	м	м			5	E.				
	14	м			2	2			11	
Occupational and Physical Therapy Preventive Care/Screening/Immunization		-	100%	\$0.00	-	-	100%	¢0.00		
Laboratory Outpatient and Professional Services	7	1	100%	ŞU.UU	2	2	100%	ŞU.UU		-
X-rays and Diagnostic Imaging	19	<u>10</u>			Ë	Ē			H	Ē
Skilled Nursing Facility	1	নি			6 6 6	6			Ö	
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	м				14			11	L
Outpatient Surgery Physician/Surgical Services	м	м			E .	12			11	
Drugs	IA 🖻	🖬 All			🗹 Al	🗹 Ali			□ AI	All
Generics	1	2			2	2				
Preferred Brand Drugs					6					
Non-Preferred Brand Drugs	2	2			9 N	2			8	
Specialty Drugs (i.e. high-cost)	19	12	Dian Deseriation		6	4				
Options for Additional Benefit Design Limits: Set a Maximum on Specialty Rx Coinsurance Payments?			Plan Descriptior Name:	Blue Rewards I	Bronze					
Specialty Rx Coinsurance Payments			Plan HIOS ID:		D3 and 13627VT(	1370003				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	1362						
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output Calculate										
Status/Error Messages:	Calculation Succe	ceful								
Actuarial Value:	61.44%	ssiui.								
Metal Tier:	Bronze									
Additional Notes:										
Calculation Time:	0.125 seconds									
Final 2019 AV Calculator										

Plan : Blue Rewards (Non-Standard) CDHP Plan - Silver Reflective								
Items supported by the	Deductible	\$4,1	25					
Items supported by the AV Calculator	Coinsurance	0%						
AV calculator	ООРМ	\$4,125						
AVC Output for items suppo	(a)	70.7%						
BCBSVT Model Output for it	tems supported by the AVC	(b)	75.3%					
BCBSVT Model Output for c	omplete benefit design	(C)	76.4%					
Adjustment to the AVC	tment to the AVC Estimated AVC value (d)=(c)/(b)*(a)							

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	2		HSA/HRA Options		Tie	red Network Op	otion			
Apply Inpatient Copay per Day?			yer Contribution?			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?					1st 1	Fier Utilization:				
Use Separate MOOP for Medical and Drug Spending?		Annual Contril	bution Amount:			Fier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?					210					
Desired Metal Tier										
Desired Metal Her										
		1 Plan Benefit De		-		2 Plan Benefit D				
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$4,125.00							
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$4,125.00							
MOOP if Separate (\$)				-						
		•	-							
Click Here for Important Instructions		Tie	ar 1			Tid	er 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		Coinsurance, if	Copay, if	-	ies only after
Type of Benefit			different		Deductible?	Coinsurance?	different			ctible?
	Deductible?	Coinsurance?	different	separate			different	separate		
Medical	I AI	II All			I Al	AI				
Emergency Room Services	N N				2	E				
All Inpatient Hospital Services (inc. MH/SUD)	2	2			E	E		l		
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	-	-				_			_	
X-rays)	1	2			2	2				
Specialist Visit	R	M			E	E				
Mental/Behavioral Health and Substance Use Disorder Outpatient		<u>191</u>				-				
Services	1	1			2	2				
	R	2							_	
Imaging (CT/PET Scans, MRIs)					E	2			<u> </u>	
Speech Therapy	м	м			15	5				
	м	м				E .			11	
Occupational and Physical Therapy	141	141								
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	1	1			Ē	2				
X-rays and Diagnostic Imaging	ব	1			8	Ē			ö	Ē
Skilled Nursing Facility	12	 17			Ē					·····
Skilled Nulsing Facility	19	19				E		·····•		<b>.</b>
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	14	14				2			11	
					5					
Outpatient Surgery Physician/Surgical Services	N	м				2				
Drugs	AI 🖌	IIA 🔽			🖂 All	🖌 Al				IIA 🗌
Generics	N	2			2	2				
Preferred Brand Drugs	E.	2			E	5 5				
Non-Preferred Brand Drugs	<b>I</b>	R			600	E.				
Specialty Drugs (i.e. high-cost)	2	1			Ē	Ē			Π	Ē
Options for Additional Benefit Design Limits:	- C1	6	Plan Description							
Set a Maximum on Specialty Rx Coinsurance Payments?		1	Name:		Silver CDHP Ref	octivo				
	0									
Specialty Rx Coinsurance Maximum:	-	-	Plan HIOS ID:		04 and 13627VT0	370004				
Set a Maximum Number of Days for Charging an IP Copay?	U		Issuer HIOS ID:	1362	7					
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output		1								
Calculate										
	colorian com									
Status/Error Messages:	Calculation Succe	esstul.								
Actuarial Value:	70.70%									
Metal Tier:	Silver									
Additional Notes:										
Calculation Time:	0 1004 comment									
Calculation Time:	0.1094 seconds									
Final 2019 AV Calculator										

#### **Blue Rewards Copayment Plans**

Items not supported by the AV Calculator for all of these plans are

- Three Mental Health office visits at no cost share before the deductible
- Class I Pediatric Dental at no cost share
- Copayment on Urgent Care, Emergency Medical Transportation, DME services and Home Health Care

Items not supported by the AV Calculator for Gold, Silver, CSR 73%, CSR 77% and CSR 87% plans are

• Specific Pharmacy out-of-pocket maximum of \$1,350

For Mental/Behavioral Health and Substance Abuse Disorder Outpatient Services, we blended the Office Visit copayment and the Outpatient Facility copayment based on the frequency of services from the continuance tables in the AVC to calculate the input needed in the AVC.

	Plan: Blue Rewards (Non-Standard) Copayment	Plan - Gold				
	Deductible	\$1,550				
Items supported	Coinsurance	0%				
by the AV Calculator	ООРМ	\$5,15	0			
Calculator	Copayments after the deductible	See print	below			
	PCP visits at no cost share before the deductible	0%           \$5,150           See print below           3           (a)         75.0%           (b)         81.6%           (c)         82.7%				
AVC Output for ite	ems supported by the AVC	(a)	75.0%			
BCBSVT Model Out	tput for items supported by the AVC	(b)	81.6%			
BCBSVT Model Out	tput for complete benefit design	(C)	82.7%			
Estimated AVC va	llue	(d)=(c)/(b)*(a)	76.1%			

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	17		HSA/HRA Options		Tio	red Network O	ntion			
Apply Inpatient Copay per Day?			yer Contribution			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?				0		Tier Utilization:				
Use Separate MOOP for Medical and Drug Spending?		Annual Contril	bution Amount:			Tier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?					Lind					
Desired Metal Tier										
Desired Weter Her		1 Plan Benefit De	esign	1	Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)		Biug	\$1,550.00		mearca	Diug	combilied			
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$5,150.00	1						
MOOP if Separate (\$)			<i>to</i> /200100	_						
			-							
Click Here for Important Instructions		Tie	er 1			Ti	er 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay applie	
Type of Benefit	Deductible?	Coinsurance?	different	separate	Deductible?	Coinsurance?	different	separate	deduc	tible?
Medical	I AI	🗖 Ali			🖂 Al	🖂 Al			IA N	🗖 Ali
Emergency Room Services	। र			\$250.00	ন ন	E			2	<u> </u>
All Inpatient Hospital Services (inc. MH/SUD)	2			\$750.00	E	2			2	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	R			\$20.00	E.	E.			ব	
X-rays)										
Specialist Visit				\$30.00	E	Ε				
Mental/Behavioral Health and Substance Use Disorder Outpatient	17			\$19.00	E.	E.			17	
Services										
Imaging (CT/PET Scans, MRIs)				\$750.00	E	E				
Speech Therapy	м			\$30.00	15	12			м	
	м	11		\$30.00	12				м	
Occupational and Physical Therapy										
Preventive Care/Screening/Immunization			100%	\$0.00		- 	100%	\$0.00	-	
Laboratory Outpatient and Professional Services	2	<u></u>		\$30.00	2 2 2 2 2 2	<u> </u>			2	
X-rays and Diagnostic Imaging				\$30.00	<u> </u>	<u> </u>			۲ ا	
Skilled Nursing Facility	2			\$750.00	6	Ξ			2	
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	11		\$750.00	12 E	i≥ .			м	
Outpatient Surgery Physician/Surgical Services	м	м			E .	E.			11	I
Drugs	IA 🔽	All			I AI	AI 🖉			□ AI	All
Generics	N			\$5.00	2	2			N	
Preferred Brand Drugs	2	2	60%		E	Z				
Non-Preferred Brand Drugs	2	2	40%		2 2	2 2				-
Specialty Drugs (i.e. high-cost)	P	2	60%		E.	2				
Options for Additional Benefit Design Limits:	•	_	Plan Description							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards O						
Specialty Rx Coinsurance Maximum:		4	Plan HIOS ID:	13627VT038000		360001				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	7					
# Days (1-10):		-								
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):		-								
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10): Output		J								
Calculate										
Status/Error Messages:	Error: Pocult in a	utrido of [ 4 . 2] -	percent de minim	ic variation						
Actuarial Value:	75.03%	utside of [-4, +2] [	percent de minim	IS Variation.						
Metal Tier:	/ 3.33/0									
INICIAL ITEL.	NOTE: Service of	acific cost-sharin	ig is applying for s	envice(s) with fo	c/prof compos	ants overridin	outpatient incu	ts for those co	price(s)	
Additional Notes:	NOTE: Service-S	rearrie cost-snafin	approving for s	civice(s) with Ta	c, pror compon	ants, overridin	5 outpatient inpu	is for those se	ivice(s).	
Additional NOTES:										
Calculation Time:	0.125 seconds									
Final 2019 AV Calculator										

	Plan: Blue Rewards (Non-Standard) Copayment	Plan - Silver			
	Deductible	\$2,850			
Items supported	Coinsurance	0%			
by the AV Calculator	ООРМ	\$7,90	0		
Calculator	Copayments after the deductible	See print	below		
	PCP visits at no cost share before the deductible	\$2,850 0% \$7,900 See print below 3 (a) 66.7% (b) 73.5% (c) 75.5%			
AVC Output for ite	ems supported by the AVC	(a)	66.7%		
BCBSVT Model Out	tput for items supported by the AVC	(b)	73.5%		
BCBSVT Model Out	tput for complete benefit design	(C)	75.5%		
Estimated AVC va	llue	(d)=(c)/(b)*(a)	68.5%		

User Inputs for Plan Parameters Use Integrated Medical and Drug Deductible?										
	12		HSA/HRA Options	;	Tie	red Network C	Option			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	over Contribution?			Network Plan				
Apply Skilled Nursing Facility Copay per Day?					1st	Fier Utilization	:			
Use Separate MOOP for Medical and Drug Spending?		Annual Contri	bution Amount:		2nd	Fier Utilization	:			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier										
		er 1 Plan Benefit D	esign	1	Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)	Wiedical	Drug	\$2,850.00	-	Wiedical	Drug	combined			
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$7,900.00	-						
MOOP if Separate (\$)			\$7,500.00	1		1				
			-							
Click Here for Important Instructions			er 1				ier 2		Tier 1	Tier 2
Type of Benefit	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate		es only after tible?
and stat	AI		different	separate			amerent	separate	Al	
Medical		I All			Z AI	Z AI				
Emergency Room Services		<u> </u>		\$450.00	E	Ŀ			g	
All Inpatient Hospital Services (inc. MH/SUD)				\$1,750.00	E	E			R	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	17			\$30.00	E.	E.			17	
X-rays)		_				5				
Specialist Visit				\$50.00	E	6				
Mental/Behavioral Health and Substance Use Disorder Outpatient	17			\$29.00	E.	E.			17	
Services										
Imaging (CT/PET Scans, MRIs)				\$1,750.00	E	E				
Speech Therapy	м			\$50.00	E .	E .			м	
	м	11		\$50.00	E C	E .			м	
Occupational and Physical Therapy	1-1	• •			-				1-1	
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	2			\$50.00	2 2 2	- - 				
X-rays and Diagnostic Imaging				\$50.00	E	2			R	-
Skilled Nursing Facility	1			\$1,750.00	E	E				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	11		\$1,750.00	E	E.			м	
				<i></i>						_
Outpatient Surgery Physician/Surgical Services	1	м			2	2				
Drugs	AI 🖌	All			🖂 Al	🗹 Al			□ AII	T All
Generics				\$5.00	N N N	E				
Preferred Brand Drugs	1	2	60%		E	E				
Non-Preferred Brand Drugs	R	2	40%		E	12				
Specialty Drugs (i.e. high-cost)	۲.	2	60%		2	2				
Options for Additional Benefit Design Limits:	-	_	Plan Description	:						
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards S	ilver					
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:	13627VT038000	2 and 13627VT(	360002				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627						
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?	N									
# Visits (1-10):	3									
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10)										
Output		_								
Calculate										
Status/Error Messages:	Calculation Suc	cessful.								
Actuarial Value:	66.74%	-								
Metal Tier:	Silver									
		pecific cost-sharin	ng is applying for s	ervice(s) with fa	c/prof compon	ents, overridin	g outpatient innu	ts for those se	rvice(s).	
Additional Notes:			-9 approving 101 3		., p. or compon		-o cposicile inpu			
Additional NULCS.										
Calculation Time:	0.0781 seconds									
Calculation Time: Final 2019 AV Calculator	0.0781 seconds									
	0.0781 seconds									

Pla	n: Blue Rewards (Non-Standard) Copayment Plan	- Silver CSR 73%				
	Deductible	\$2,100				
Items supported	Coinsurance	0%				
by the AV Calculator	OOPM	\$5,70	0			
Calculator	Copayments after the deductible	See print below				
	PCP visits at no cost share before the deductible	· ·				
AVC Output for ite	ems supported by the AVC	(a)	71.8%			
BCBSVT Model Out	tput for items supported by the AVC	(b)	77.5%			
BCBSVT Model Out	tput for complete benefit design	(C)	78.8%			
Estimated AVC va	llue	(d)=(c)/(b)*(a)	73.0%			

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	17		HSA/HRA Option	s	Tie	red Network O	otion			
Apply Inpatient Copay per Day?			yer Contribution			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?					1st	Fier Utilization:				
Use Separate MOOP for Medical and Drug Spending?		Annual Contri	bution Amount:		2nd	Fier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?	2	-			-					
Desired Metal Tier				_						
		r 1 Plan Benefit De				2 Plan Benefit D				
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$2,100.00							
Coinsurance (%, Insurer's Cost Share)			100.00%	_						
MOOP (\$) MOOP if Separate (\$)		T	\$5,700.00							
WOOT IT Separate (5)										
Click Here for Important Instructions		Tie					er 2		Tier 1	Tier 2
Type of Benefit	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate	Subject to Deductible?	Subject to Coinsurance?	Coinsurance, if different	Copay, if separate		es only after ctible?
Medical	AI		unrerent	separate	All	Z AI	unterent	separate	I AI	
Emergency Room Services				\$400.00						
All Inpatient Hospital Services (inc. MH/SUD)	101 171	<u> </u>		\$1,500.00	ন ন	Ĕ			য়	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and										
X-rays)	2			\$30.00		E.			1	
Specialist Visit				\$50.00	E	E			E	
Mental/Behavioral Health and Substance Use Disorder Outpatient	R			\$29.00	E.	E.			1	
Services				· ·	E	E				-
Imaging (CT/PET Scans, MRIs)				\$1,500.00						
Speech Therapy	м			\$50.00		E.			м	
Occupational and Physical Therapy	14	11		\$50.00	12				м	
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	নি	Π		\$50.00	1	2			2	
X-rays and Diagnostic Imaging				\$50.00	E	E			M	
Skilled Nursing Facility				\$1,500.00	E	E				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	11		\$1,500.00	E .	E.			м	
Outpatient Surgery Physician/Surgical Services	м	м			E.	×.			11	
Drugs	AI 🛛	All			All 🔽	🖬 🖌			AI 🗌	Ali
Generics				\$5.00	E	2			E	
Preferred Brand Drugs		2	60%		5 5	E E				
Non-Preferred Brand Drugs		2	40%			5				
Specialty Drugs (i.e. high-cost)	R	2	60%		E .	E				
Options for Additional Benefit Design Limits: Set a Maximum on Specialty Rx Coinsurance Payments?	_	r	Plan Description		iluer 720/					
Specialty Rx Consurance Payments - Specialty Rx Consurance Maximum:			Name: Plan HIOS ID:	Blue Rewards S 13627VT038000		1360002				
Set a Maximum Number of Days for Charging an IP Copay?		1	Issuer HIOS ID:	13627		.500002				
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?	I	1								
# Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?		1								
# Copays (1-10): Output		J								
Calculate										
Status/Error Messages:	Error: Result is o	utside of +/- 1 per	rcent de minimis	variation for CSR	s.					
	71.83%									
Metal Tier:										
	NOTE: Service-s	pecific cost-sharin	g is applying for	service(s) with fa	c/prof compon	ents, overriding	outpatient inpu	ts for those se	rvice(s).	
Additional Notes:										
	0.125 seconds									
Final 2019 AV Calculator										

Pla	n: Blue Rewards (Non-Standard) Copayment Plan	- Silver CSR 77%				
	Deductible	\$1,000				
Items supported	Coinsurance	0%				
by the AV Calculator	ООРМ	\$5,20	0			
Calculator	Copayments after the deductible	See print below				
	PCP visits at no cost share before the deductible	3				
AVC Output for ite	ems supported by the AVC	(a)	76.1%			
BCBSVT Model Out	tput for items supported by the AVC	(b)	82.0%			
BCBSVT Model Out	tput for complete benefit design	(C)	82.9%			
Estimated AVC va	llue	(d)=(c)/(b)*(a)	<b>76.9</b> %			

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	17		HSA/HRA Options		Tie	red Network O	ption			
Apply Inpatient Copay per Day?			ver Contribution			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?			,			Tier Utilization:				
Use Separate MOOP for Medical and Drug Spending?		Annual Contril	bution Amount:			Tier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier										
		1 Plan Benefit De	esign	1	Tier	2 Plan Benefit I	Design			
	Medical	Drug	Combined	1	Medical	Drug	Combined			
Deductible (\$)			\$1,000.00							
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$5,200.00	1						
MOOP if Separate (\$)				-						
	-									
Click Here for Important Instructions		Tie	er 1			Ti	er 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		Coinsurance, if	Copay, if		es only after
Type of Benefit	Deductible?	Coinsurance?	different	separate			different	separate		ctible?
Medical	I AI	II All			IA 🔽	🗹 Ali			I AI	IIA 🗌
Emergency Room Services				\$400.00	<u> </u>	2			2	
All Inpatient Hospital Services (inc. MH/SUD)	2			\$1,500.00	E	Z			2	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	R			\$30.00	E.	E.			17	
X-rays)										—
Specialist Visit	2			\$50.00	E	E			2	
Mental/Behavioral Health and Substance Use Disorder Outpatient	17			\$29.00	E.	2			17	
Services	1			* ** ***	5	2			R	
Imaging (CT/PET Scans, MRIs)	~~~~~~			\$1,500.00						
Speech Therapy	м			\$50.00	15	E.			м	
Occupational and Physical Therapy	14	11		\$50.00					14	
Preventive Care/Screening/Immunization	_	-	100%	\$0.00	-	-	100%	£0.00		
Laboratory Outpatient and Professional Services	2		100%	\$50.00	2	-		50.00	ব	
X-rays and Diagnostic Imaging	0 17	Ö		\$50.00	Ë	÷.			<u>ा</u>	
Skilled Nursing Facility	10	H		\$1,500.00	2 2	5 5 5			20 17	
					1					
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	14	11		\$1,500.00	2				14	
Outpatient Surgery Physician/Surgical Services	14	И			E .	2			11	
Drugs	AI 🛛	All			Al	AI 🖉			□ AI	All 🗌
Generics	1			\$5.00	2	2			1	
Preferred Brand Drugs			60%		ন ন	ы с с				-
Non-Preferred Brand Drugs	1	1	40%		E	E				
Specialty Drugs (i.e. high-cost)	1	2	60%		E	E				
Options for Additional Benefit Design Limits:		_	Plan Description							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards S						
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:	13627VT038000		360002				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	,					
# Days (1-10):	_	-								
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):		-								
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):		J								
Output Calculate										
Status/Error Messages:	Error: Bocult is a	utside of +/- 1 per	cont do minimir	variation for CCD	~					
Actuarial Value:	76.05%	utside of +/- 1 per	cent de minimis	variation for CSK	5.					
Metal Tier:	/0.03/0									
weth her.	NOTE: Service-s	ecific cost-sharin	g is applying for s	ervice(s) with fa	c/prof compon	ents overridin	outnatient innu	its for those se	ervice(s)	
Additional Notes:		cane cost-sildilli	P 12 abbitting 101 3	concers/ widing	c, p.or compon	ents, overnung	- secharic mpt	10 101 01036 36		
Additional Notes.										
Calculation Time:	0.0938 seconds									
Calculation Time: Final 2019 AV Calculator	0.0938 seconds									
Final 2015 AV Calculator										

Pla	n: Blue Rewards (Non-Standard) Copayment Plan	- Silver CSR 87%					
	Deductible	\$200					
Items supported	Coinsurance	0%					
by the AV Calculator	ООРМ	\$2,00	00				
Calculator	Copayments after the deductible	See print below					
	PCP visits at no cost share before the deductible	ctible 3					
AVC Output for ite	ems supported by the AVC	(a)	87.2%				
BCBSVT Model Out	tput for items supported by the AVC	(b)	91.1%				
BCBSVT Model Out	tput for complete benefit design	e benefit design (c) 91.2%					
Estimated AVC va	llue	(d)=(c)/(b)*(a)	87.2%				

User Inputs for Plan Parameters Use Integrated Medical and Drug Deductible?	17		HSA/HRA Option	c	Tia	red Network O	Intion			
Apply Inpatient Copay per Day?			yer Contribution			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?						Tier Utilization				
Use Separate MOOP for Medical and Drug Spending?		Annual Contrit	bution Amount:		2nd	Tier Utilization	:			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?	2				-					
Desired Metal Tier	Calif			_						
	Tie	1 Plan Benefit De	esign		Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined		Medical	Drug	Combined			
Deductible (\$)			\$200.00							
Coinsurance (%, Insurer's Cost Share)			100.00%	_						
MOOP (\$)		1	\$2,000.00			1	I			
MOOP if Separate (\$)			1							
Click Here for Important Instructions		Tie	er 1			Ti	ier 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		Coinsurance, if	Copay, if		es only after
Type of Benefit	Deductible?	Coinsurance?	different	separate	Deductible?	Coinsurance?		separate		tible?
Medical	AI 🛛	II All			🗹 Ali	🖉 All			🖬 Al	All
Emergency Room Services	N			\$250.00	ы	E			N	
All Inpatient Hospital Services (inc. MH/SUD)	7			\$500.00	2	2			2	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	R			\$30.00	E.	E.			17	
X-rays)				-	E	5			0 17	-
Specialist Visit Mental/Behavioral Health and Substance Use Disorder Outpatient	2			\$50.00	6	6			м	
Services				\$29.00	E.	2			1	
Imaging (CT/PET Scans, MRIs)	R			\$500.00	E	2			17	
Speech Therapy	м	ii.		\$50.00	E E	i E			И	
Occupational and Physical Therapy	м	11		\$50.00	2				14	
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services				\$50.00	E	2			2	<u>_</u>
X-rays and Diagnostic Imaging				\$50.00	2 2 2 2	6 6 6				
Skilled Nursing Facility				\$500.00	E	2				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	14	11		\$500.00		×.			м	
Outpatient Surgery Physician/Surgical Services	м	И			E .	E			11	1
Drugs	A	All			T AI	AI			All	All
Generics	17			\$5.00					17	
Preferred Brand Drugs	R	1	60%		মন	9 9 9			ă	Ē
Non-Preferred Brand Drugs	2	2	40%		E	E				-
Specialty Drugs (i.e. high-cost)	P	2	60%		E.	2				
Options for Additional Benefit Design Limits:	-	-	Plan Description							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards S						
Specialty Rx Coinsurance Maximum:		-	Plan HIOS ID:	13627VT038000		0360002				
Set a Maximum Number of Days for Charging an IP Copay?	0		Issuer HIOS ID:	13627						
# Days (1-10): Begin Primary Care Cost-Sharing After a Set Number of Visits?	12	-								
#Visits (1-10):	10 3									
Begin Primary Care Deductible/Coinsurance After a Set Number of	-									
Copays?										
# Copays (1-10):										
Output		-								
Calculate										
Status/Error Messages:		(150-200% FPL), (	Calculation Succe	ssful.						
Actuarial Value:	87.20%									
Metal Tier:	Gold	ecific cost-sharin	a is applying for	convico(c) with fo	c/prof come	onte quarridi-	a outpationt incom	te for those	anvico(c)	
Additional Notes:	NUTE: Service-s	ecilic cost-snarin	ig is applying for :	service(s) with fa	c/prot compon	ents, overridin	g outpatient inpu	its for those se	ervice(s).	
Calculation Time:	0.1094 seconds									
Final 2019 AV Calculator	0.1004 Seconds									

#### Plan: Blue Rewards (Non-Standard) Copayment Plan - Silver CSR 94%

The inclusion of Mental Health office visits in the three PCP or Mental Health Office visits at no cost share before the deductible benefit and copays on Urgent Care, Emergency Medical Transportation, DME services and Home Health Care are not supported by the AVC for this plan. The difference between the AVC benefit of three PCP visits at no cost share before the deductible and the BCBSVT benefit of three PCP or MHSA visits at no cost share is immaterial<sup>2</sup> and the addition of copays on Urgent Care, Emergency Medical Transportation, DME services and Home Health Care is also immaterial; therefore we are using the AVC directly for this plan.

plan.										
User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	12		HSA/HRA Options	;	Tie	red Network C	ption			
Apply Inpatient Copay per Day?		HSA/HRA Emplo	yer Contribution?		Tiered	Network Plan				
Apply Skilled Nursing Facility Copay per Day?		Annual Cantril	bution Amount:		1st T	Fier Utilization	:			
Use Separate MOOP for Medical and Drug Spending?		Annual Contri	bution Amount:		2nd	Fier Utilization	:			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?										
Desired Metal Tier				-						
		1 Plan Benefit De				2 Plan Benefit				
	Medical	Drug	Combined	_	Medical	Drug	Combined			
Deductible (\$)			\$0.00							
Coinsurance (%, Insurer's Cost Share)			100.00%	_						
MOOP (\$) MOOP if Separate (\$)		1	\$950.00	]						
MOOP II Separate (\$)			1							
Click Here for Important Instructions		Tie	ar 1			т	ier 2		Tier 1	Tier 2
	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to		Coinsurance, if	Copay, if		lies only after
Type of Benefit	Deductible?	Coinsurance?	different	separate		Coinsurance		separate		actible?
Medical	AI	All	unterent	separate	All	Al	unrerent	separate	I AI	
Emergency Room Services	2			\$250.00					2	
All Inpatient Hospital Services (inc. MH/SUD)	1			\$0.00	ы И	2			2	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and										
X-rays)	17			\$15.00		E				
Specialist Visit	2			\$35.00	E	Z			2	
Mental/Behavioral Health and Substance Use Disorder Outpatient	_	-		ć14.00					-	
Services				\$14.00	E	2				
Imaging (CT/PET Scans, MRIs)				\$0.00	E	E				
Speech Therapy	М			\$35.00	15	5			м	
	м	11		\$35.00	E C	E C			м	
Occupational and Physical Therapy										_
Preventive Care/Screening/Immunization	<u> </u>		100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services	ē			\$35.00		2				
X-rays and Diagnostic Imaging	2			\$35.00					E I	
Skilled Nursing Facility	M			\$0.00	E	E				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	14	11		\$0.00	12	×			14	
Outpatient Surgery Physician/Surgical Services	м	м			E .	R			11	
Drugs	A	All			Z AI	Z AL				I All
Generics	1			\$5.00		5			1	
Preferred Brand Drugs	ē	2	60%	93.00	2 2 2 2 2	Ē			Ö	Ē
Non-Preferred Brand Drugs	R	R	40%		Ē	2 2			Ö	
Specialty Drugs (i.e. high-cost)	স	1	60%		2	2			Ö	Ē
Options for Additional Benefit Design Limits:			Plan Description	:						
Set a Maximum on Specialty Rx Coinsurance Payments?		1	Name:	Blue Rewards S	Silver - 94%					
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:	13627VT038000	2 and 13627VT0	360002				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	7					
# Days (1-10):										
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):		-								
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):		]								
Output Calculate										
Status/Error Messages:	CCD Level of 0.00	(100-150% FPL), (	Coloulation Current	and a l						
Actuarial Value:	93.39%	(100-150% FPL), (	Laiculation Succes	sstul.						
Metal Tier:	Platinum									
wetar rief:		pecific cost-sharin	a is applying for c	envice(s) with fo	c/prof compon	ents overridin	a outpatient incu	ts for those co	nuice(s)	
Additional Notes:	NOTE. SETVICE-S	Securic cost-sildfill	e is abbititing 101.2	civice(s) with ld	ici proi compon	ents, overridir	6 outpatient Inpu	101 11056 56	invice(s).	
Additional Notes:										
Colouistion Time.	0.0701									
Calculation Time: Final 2019 AV Calculator	0.0781 seconds									
Final 2019 AV Calculator										

<sup>&</sup>lt;sup>2</sup> The AV calculator produces an AV of 93.46% for a plan with identical inputs other than MHSA cost sharing which is set to no cost sharing, therefore the waiving of cost sharing on up to three MHSA visits for those not having 3 or more PCP visits is not expected to have any material impact.

Plan: Blue Rewards (Non-Standard) Copayment Plan - Bronze							
	Deductible	\$7,900					
Items supported	Coinsurance	0%					
by the AV Calculator	OOPM	\$7,90	0				
Calculator	Copayments after the deductible	See print below					
	PCP visits at no cost share before the deductible	3					
AVC Output for ite	ems supported by the AVC	(a)	61.1%				
BCBSVT Model Out	tput for items supported by the AVC	(b)	66.7%				
BCBSVT Model Out	tput for complete benefit design	(c) 66.7%					
Estimated AVC va	llue	(d)=(c)/(b)*(a)	61.2%				

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	17		HSA/HRA Options		Tie	red Network C	Option			
Apply Inpatient Copay per Day?			over Contribution?			Network Plan				
Apply Skilled Nursing Facility Copay per Day?						Tier Utilization				
Use Separate MOOP for Medical and Drug Spending?		Annual Contri	bution Amount:		2nd T	Tier Utilization	:			
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?					•					
Desired Metal Tier	Report 1			_						
		1 Plan Benefit D				2 Plan Benefit	Design			
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)			\$7,900.00							
Coinsurance (%, Insurer's Cost Share)			100.00%	-						
MOOP (\$) MOOP if Separate (\$)			\$7,900.00	]			- · · · ·			
woor ii separate (3)			-							
Click Here for Important Instructions		Ti	er 1			Т	ier 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if	Copay, if	Subject to	Subject to	Coinsurance, if	Copay, if	Copay appli	es only after
	Deductible?	Coinsurance?	different	separate		Coinsurance?	different	separate		tible?
Medical	IA 🖸	IA 🔽			II 🖉	🖬 Ali				All
Emergency Room Services	য়য	র ব			5				<u> </u>	<u> </u>
All Inpatient Hospital Services (inc. MH/SUD)	M	M			12	E				
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	17	17			E.	E .				
X-rays) Specialist Visit	17	2			Б	E			_	
Mental/Behavioral Health and Substance Use Disorder Outpatient					1					
Services	2	2			2	2				
Imaging (CT/PET Scans, MRIs)	17	R			E	Z				
Speech Therapy	м	м			E .	E.			11	
	м	м			E.	I.S.			11	
Occupational and Physical Therapy	1*1	1*1			-				• •	
Preventive Care/Screening/Immunization			100%	\$0.00			100%	\$0.00		
Laboratory Outpatient and Professional Services					2	- 				
X-rays and Diagnostic Imaging	E E				E	2			<u></u>	
Skilled Nursing Facility		2			E	2				
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	14	14				2			11	
Outpatient Surgery Physician/Surgical Services	м	И			E	12			11	
Drugs	A	All			Al	AI -			Al	All
Generics	17	12				2			Ē	
Preferred Brand Drugs		2			নব	<u> </u>				
Non-Preferred Brand Drugs	R	2			E	12				
Specialty Drugs (i.e. high-cost)	P	Ø			2	2				
Options for Additional Benefit Design Limits:	_		Plan Description:							
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards E		20000				
Specialty Rx Coinsurance Maximum: Set a Maximum Number of Days for Charging an IP Copay?			Plan HIOS ID: Issuer HIOS ID:	1362/1038000	)3 and 13627VT0 7	1360003				
# Days (1-10):			issuel HIOS ID.	1302	/					
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
#Visits (1-10):										
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):										
Output										
Calculate	Colorian C									
Status/Error Messages: Actuarial Value:	Calculation Succe 61.13%	sstul.								
Actuariai Value: Metal Tier:	Bronze									
Weta Her.	DIGITZE									
Additional Notes:										
Calculation Time:	0.125 seconds									
Final 2019 AV Calculator	0.120 30001105									

Plan: Blue Rewards (Non-Standard) Copayment Plan - Silver Reflective							
	Deductible	\$2,850					
Items supported	Coinsurance	0%					
by the AV Calculator	OOPM	\$7,90	0				
Calculator	Copayments after the deductible	See print below					
	PCP visits at no cost share before the deductible	3					
AVC Output for ite	ems supported by the AVC	(a)	66.7%				
BCBSVT Model Out	tput for items supported by the AVC	(b)	73.5%				
BCBSVT Model Out	tput for complete benefit design	(C)	75.5%				
Estimated AVC va	llue	(d)=(c)/(b)*(a)	68.5%				

User Inputs for Plan Parameters										
Use Integrated Medical and Drug Deductible?	17		HSA/HRA Options	~	Tio	red Network O	ntion			
Apply Inpatient Copay per Day?			yer Contribution			Network Plan?				
Apply Skilled Nursing Facility Copay per Day?						Tier Utilization:				
Use Separate MOOP for Medical and Drug Spending?		Annual Contril	bution Amount:			Tier Utilization:				
Indicate if Plan Meets CSR or Expanded Bronze AV Standard?					200					
Desired Metal Tier										
		1 Plan Benefit De	esign		Tier	2 Plan Benefit	Design			
	Medical	Drug	Combined	-	Medical	Drug	Combined			
Deductible (\$)		Biug	\$2,850.00		meulear	Diug	combined			
Coinsurance (%, Insurer's Cost Share)			100.00%							
MOOP (\$)			\$7,900.00	-						
MOOP if Separate (\$)			<i></i>							
Click Here for Important Instructions		Tie					er 2		Tier 1	Tier 2
Type of Benefit	Subject to	Subject to	Coinsurance, if		Subject to		Coinsurance, if	Copay, if	Copay applie	
	Deductible?	Coinsurance?	different	separate	Deductible?	Coinsurance?	different	separate	deduc	
Medical	I AI	II All			🖬 All	🖉 Ali			I AI	All 🗌
Emergency Room Services	<u>ت</u>			\$450.00	ন ন	E			Γ	<u> </u>
All Inpatient Hospital Services (inc. MH/SUD)	2			\$1,750.00	E	E			2	
Primary Care Visit to Treat an Injury or Illness (exc. Preventive, and	ন			\$30.00	E.	E.			ব	
X-rays)										
Specialist Visit				\$50.00	E	E			1	
Mental/Behavioral Health and Substance Use Disorder Outpatient	17			\$29.00	E.	E.			17	
Services					E	2				-
Imaging (CT/PET Scans, MRIs)				\$1,750.00						_
Speech Therapy	м			\$50.00	E.	E.			м	
	14	11		\$50.00	<b>1</b> 2				м	
Occupational and Physical Therapy		_			_	_				
Preventive Care/Screening/Immunization			100%	\$0.00		- 	100%	\$0.00	-	_
Laboratory Outpatient and Professional Services	2	<u></u>		\$50.00	2 2 2	Ľ.			2	
X-rays and Diagnostic Imaging		<u> </u>		\$50.00	6	5			2	
Skilled Nursing Facility	1			\$1,750.00	6	Ξ			2	
Outpatient Facility Fee (e.g., Ambulatory Surgery Center)	м	11		\$1,750.00	12	2			м	
Outpatient Surgery Physician/Surgical Services	м	м			E.	12			11	
Drugs	AI 🛛	All			AI 🛛	🖂 Al			AI	All
Generics	17			\$5.00	E .	2			N	
Preferred Brand Drugs	2	2	60%		5 5	E				
Non-Preferred Brand Drugs	2	2	40%		E	2 2				F
Specialty Drugs (i.e. high-cost)	P	2	60%		E	2				
Options for Additional Benefit Design Limits:	-	_	Plan Description	1:						
Set a Maximum on Specialty Rx Coinsurance Payments?			Name:	Blue Rewards S						
Specialty Rx Coinsurance Maximum:			Plan HIOS ID:	13627VT038000		360004				
Set a Maximum Number of Days for Charging an IP Copay?			Issuer HIOS ID:	13627	,					
# Days (1-10):		-								
Begin Primary Care Cost-Sharing After a Set Number of Visits?										
# Visits (1-10):		-								
Begin Primary Care Deductible/Coinsurance After a Set Number of										
Copays?										
# Copays (1-10):		]								
Output Calculate										
			rcent de minimis	underland for CCD	-					
Status/Error Messages:		utside of +/- 1 pei	rcent de minimis	variation for CSK	5.					
Actuarial Value:	66.74%									
Metal Tier:	NOTE Condition	a sifia anak ak'-	ig is applying for s	anning (a) with f-				ha farshaar		
A difference latence.	NUTE: Service-s	Decisic cost-sharin	ig is applying for s	service(s) with fa	c/prot compon	ents, overridin	g outpatient inpu	is ior those se	rvice(s).	
Additional Notes:										
Calculation Time:	0.0898 seconds									
Final 2019 AV Calculator										

#### Appendix – Complete Benefit Designs

	Gold	Silver	Silver Reflective	Bronze
Deductible/OOP Max	Copayment	Copayment	Copayment	Copayment
Medical Deductible	\$1,550	\$2,850	\$2,850	\$7,900
Rx Deductible	Combined	Combined	Combined	Combined
Integrated Deductible	Yes	Yes	Yes	Yes
Medical OOPM	\$5,150	\$7,900	\$7,900	\$7,900
Rx OOPM	\$1,350	\$1,350	\$1,350	Combined
Integrated OOPM	Yes	Yes	Yes	Yes
Family Deductible / OOP	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900			
Medical Deductible waived for:	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I
Drug Deductible waived for:	N/A	N/A	N/A	N/A
Service Category				
Preventive	\$0	\$0	\$0	\$0
PCP Office Visit	3 visits per member combined PCP/MH at	3 visits per member combined PCP/MH at	3 visits per member combined PCP/MH at	3 visits per member combined PCP/MH at
MH/SA Office Visit	no cost share before deductible then \$20 copay	no cost share before deductible then \$30 copay	no cost share before deductible then \$30 copay	no cost share before deductible then \$0 copay
Specialist Office Visit	\$30	\$50	\$50	\$0
Urgent Care	\$30	\$50	\$50	\$0
Ambulance	\$30	\$50	\$55	\$0
DME	\$30	\$50	\$50	\$0
ER	\$250	\$450	\$450	\$0
Radiology (MRI, CT, PET)	\$750	\$1,750	\$1,750	\$0
Inpatient / Outpatient	\$750	\$1,750	\$1,750	\$0
Rx Generic	\$5	\$5	\$5	\$0
Rx Preferred Brand	40%	40%	40%	0%
Rx Non-Preferred Brand	60%	60%	60%	0%
Estimated 2019 AVC Value	76.1%	68.5%	68.5%	61.2%

	73% AV	77% AV	87% AV	94% AV
Deductible/OOP Max	Copayment	Copayment	Copayment	Copayment
Medical Deductible	\$2,100	\$1,000	\$200	\$0
Rx Deductible	Combined	Combined	Combined	Combined
Integrated Deductible	Yes	Yes	Yes	Yes
Medical OOPM	\$5,700	\$5,200	\$2,000	\$950
Rx OOPM	\$1,350	\$1,350	\$1,350	\$950
Integrated OOPM	Yes	Yes	Yes	Yes
Family Deductible / OOP	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family	Aggregate, 2x Family
Medical Deductible waived for:	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I	Preventive Care, 3 PCP/MH Office Visits, Pediatric Dental Class I
Drug Deductible waived for:	N/A	N/A	N/A	N/A
Service Category				
Preventive	\$0	\$0	\$0	\$0
PCP Office Visit	3 visits per member combined PCP/MH at no cost share before	3 visits per member combined PCP/MH at no cost share before	3 visits per member combined PCP/MH at no cost share before	3 visits per member combined PCP/MH at no cost share before
MH/SA Office Visit	deductible then \$30 copay	deductible then \$30 copay	deductible then \$30 copay	deductible then \$15 copay
Specialist Office Visit	\$50	\$50	\$50	\$35
Urgent Care	\$50	\$50	\$50	\$35
Ambulance	\$50	\$50	\$50	\$35
DME	\$50	\$50	\$50	\$35
ER	\$400	\$400	\$250	\$250
Radiology (MRI, CT, PET)	\$1,500	\$1,500	\$500	\$0
Inpatient / Outpatient	\$1,500	\$1,500	\$500	\$0
Rx Generic	\$5	\$5	\$5	\$5
Rx Preferred Brand	40%	40%	40%	40%
Rx Non-Preferred Brand	60%	60%	60%	60%
Estimated 2019 AVC Value	73.0%	76.9%	87.2%	93.4%

	Gold	Silver	Silver Reflective	Bronze
Deductible/OOP Max	CDHP	CDHP	CDHP	CDHP -
Medical Deductible	\$3,000	\$4,100	\$4,125	\$6,650
Rx Deductible	Combined	Combined	Combined	Combined
Integrated Deductible	Yes	Yes	Yes	Yes
Medical OOPM	\$3,000	\$4,100	\$4,125	\$6,650
Rx OOPM	\$1,350	\$1,350	\$1,350	Combined
Integrated OOPM	Yes	Yes	Yes	Yes
Family Deductible / OOP	Aggregate, 2x Family	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900	Aggregate, 2x Family, Embedded Individual OOPM of \$7,900
Medical Deductible waived for:	Preventive Care	Preventive Care	Preventive Care	Preventive Care
Drug Deductible waived for:	Wellness Scripts	Wellness Scripts	Wellness Scripts	Wellness Scripts
Service Category				
Preventive	\$0	\$0	\$0	\$0
PCP Office Visit	0%	0%	0%	0%
MH/SA Office Visit	0%	0%	0%	0%
Specialist Office Visit	0%	0%	0%	0%
Urgent Care	0%	0%	0%	0%
Ambulance	0%	0%	0%	0%
DME	0%	0%	0%	0%
ER	0%	0%	0%	0%
Radiology (MRI, CT, PET)	0%	0%	0%	0%
Inpatient/Outpatient	0%	0%	0%	0%
Rx Generic	\$5	\$15	\$15	\$25
Rx Preferred Brand	40%	40%	40%	40%
Rx Non-Preferred Brand	60%	60%	60%	60%
Estimated 2019 AVC Value	76.1%	71.8%	71.8%	62.0%

	73% AV	77% AV	87% AV	94% AV
Deductible/OOP Max	CDHP	CDHP	CDHP – Not HSAQ	CDHP - Not HSAQ
Medical Deductible	\$3,550	\$2,800	\$1,300	\$550
Rx Deductible	Combined	Combined	Combined	Combined
Integrated Deductible	Yes	Yes	Yes	Yes
Medical OOPM	\$3,550	\$2,800	\$1,300	\$550
Rx OOPM	\$1,350	\$1,350	\$1,300	\$550
Integrated OOPM	Yes	Yes	Yes	Yes
Family Deductible / OOP	Aggregate, 2x Family	Aggregate, 2x Family	Aggregate, 2x Family	Aggregate, 2x Family
Medical Deductible waived for:	Preventive Care	Preventive Care	Preventive Care	Preventive Care
Drug Deductible waived for:	Wellness Scripts	Wellness Scripts	Wellness Scripts	Wellness Scripts
Service Category				
Preventive	\$0	\$0	\$0	\$0
PCP Office Visit	0%	0%	0%	0%
MH/SA Office Visit	0%	0%	0%	0%
Specialist Office Visit	0%	0%	0%	0%
Urgent Care	0%	0%	0%	0%
Ambulance	0%	0%	0%	0%
DME	0%	0%	0%	0%
ER	0%	0%	0%	0%
Radiology (MRI, CT, PET)	0%	0%	0%	0%
Inpatient/Outpatient	0%	0%	0%	0%
Rx Generic	\$15	\$15	\$15	\$15
Rx Preferred Brand	40%	40%	40%	40%
Rx Non-Preferred Brand	60%	60%	60%	60%
Estimated 2019 AVC Value	73.9%	77.2%	86.7%	93.7%



#### MEMORANDUM

То:	Paul Schultz,	Chief Actuary
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From: Don George, President and CEO Ruth Greene, VP and CFO

Date: May 11, 2018

Subject: Contribution to Reserves for 2019 Vermont Individual and Small Group filing

Upon consideration of the points documented in this memorandum, we are requesting that you file a contribution to reserves (CTR) of 1.5 percent for the 2019 Vermont Individual and Small Group rate filing.

#### BCBSVT CTR Philosophy

Prior to the Tax Cuts and Job Act of 2017, we held that a long-term CTR of two percent represents an adequate, yet not excessive, contribution to reserves. CTR at this level within a typical trend and growth environment allows us to manage short-term fluctuations in order to maintain surplus levels that are within our established, modest target range.

Should BCBSVT's surplus level fall outside our target range, we would adjust our filed CTR accordingly. That is, in the event that surplus exceeds our targeted range, we would reduce our filed CTR from the long-term rate, all else being equal. Similarly, we would need to file a CTR that exceeds the long-term rate should surplus fall below our target range.

BCBSVT believes that CTR should be managed to an adequate long-term level, rather than fluctuating significantly from year to year with changes in membership and health care cost trend. For this reason, we file a CTR equal to our long-term target. It is our expectation that our future filings will also include contribution to reserves equal to this target. While the long-term CTR target may exceed or fall below that required to maintain our surplus position in any given year, maintaining an adequate long-term assumption will allow us to avoid rate shocks in years of high growth in projected claims costs.

BCBSVT also chooses to file consistent CTR across product lines. Many insurers file higher CTR for products with more inherent risk. For instance, the dynamic regulatory environment means that the individual and small group market is considered to be riskier than many other market segments. However, BCBSVT considers it to be more equitable to all Vermonters to use the same CTR target across filings.

An adequate long-term contribution to reserves should exceed the minimum required to keep pace with increases in total claims costs. While best estimate assumptions are by definition expected to lead to equal likelihood of gains and losses, unexpected events or periods of sustained losses may lead to financial deterioration of sufficient magnitude to threaten a company's solvency.

Apart from modest income from investments and subsidiaries, CTR is the only source of surplus for BCBSVT. While any rate filing is by definition an estimate of future costs and is therefore subject to gains or losses, BCBSVT files no additional margin beyond the required CTR. Any rate shortfall will first be paid out of CTR, while any shortfall beyond the approved CTR for a particular filing will be funded from existing reserves.

Maintaining an adequate surplus level is critical for any insurer. Consequences of low surplus include reduced flexibility in responding to customer needs, a need for higher margins in rates in order to avoid further deterioration, and a reduced ability to attract or retain business or to handle membership growth. Stability is particularly important in times of unprecedented change, such as the continuing evolution at both the federal and Vermont levels of the individual and small group market, as well as the health care reform environment in Vermont.

BCBSVT must remain financially strong in order to continue to provide Vermonters with access to high quality care, outstanding member experiences, and responsible cost management.

#### Tax Cuts and Jobs Act

The Tax Cuts and Jobs Act enacted in late 2017 is anticipated to have two specific impacts on BCBSVT's financials. First, beginning with the 2018 tax year, the BCBSVT legal entity will no longer be subject to federal income taxes (note that BCBSVT subsidiaries will continue to be taxable). The savings resulting from the elimination of BCBSVT's annual federal tax obligation are being passed on directly to our customers via premium rates, and that is what has led us to reduce our long-term CTR requirement from 2.0 percent to 1.5 percent.

The second expected impact results from the repeal of the corporate alternative minimum tax (AMT) in the new law. As a low to moderately capitalized Blue Plan, BCBSVT has been subject to federal income taxes at an AMT rate since 1987. AMT credits accumulated by BCBSVT since 1987 have become refundable under the law, and the total AMT credit balance is scheduled to be paid to BCBSVT over a four year period from 2019 through 2022, based on filed federal tax returns from 2018 through 2021. Assuming the credits are refunded to BCBSVT in accordance with the provisions set out in the Tax Cuts and Jobs Act, these funds will also be used for the direct benefit of our customers as they are received from the IRS. The method(s) for returning the AMT credits to customers will be determined

at that time, and may include lower premium rates than would otherwise have been necessary, replenishment of member surplus shortfalls, or other appropriate measures designed to protect and minimize the costs incurred by our members. <u>Market Considerations</u>

In selecting a filed CTR for any given filing, BCBSVT must consider competitive and marketplace conditions while maintaining the framework of our overarching CTR philosophy.

BCBSVT's surplus position as of December 31, 2017 and March 31, 2018 falls within our established, modest target range. Therefore, an adjustment from the long-term assumption after tax reform of 1.5 percent is unnecessary for surplus reasons.

BCBSVT worked closely with the Department of Vermont Health Access (DVHA) throughout 2017 and into 2018 in an effort to understand the amount due to BCBSVT from DVHA for the QHP 2016 plan year enrollment reconciliation. The end result of the reconciliation required DVHA to pay BCBSVT \$4.5 million. The payment will be made to BCBSVT on or before June 30, 2018. BCBSVT has recorded the expected recovery in its 2017 financial results, which were filed on March 1, 2018. Going forward, we expect there to be much lower outstanding amounts due from DVHA to BCBSVT as a result of process improvements made in early 2017. Any amount payable from DVHA as part of a 2017 reconciliation would keep us well within our target surplus range. Accordingly, there is no need to adjust our CTR from the 1.5 percent long-term assumption due to the enrollment reconciliation process.

On October 12, 2017, the federal government stopped funding plans for the claims incurred within the Cost Share Reductions (CSR) program. Vermont carriers were not permitted to resubmit rates to recoup the CSR benefits expected to be utilized by members for of 2018. BCBSVT expects to realize losses of nearly \$7 million due to the defunding of CSR and subsequent decision of the GMCB to not revisit 2018 rates. BCBSVT has a long history of not recouping past losses from current policyholders. Despite these extraordinary circumstances, we elect to continue the tradition of keeping our rates more affordable for Vermonters by refusing to increase our requested CTR to offset past losses.

BCBSVT experienced a significant loss of QHP membership from 2017 to 2018. BCBSVT is committed to the health of all Vermonters through outstanding member experiences and responsible cost management; however, we can only accomplish this mission from a position of financial stability. BCBSVT has experienced losses of \$15 million from 2014 through 2017 in the Vermont individual and small group line of business. While we will continue to strive to maintain or grow our market share of the single risk pool, we cannot do so by intentionally underfunding premiums or by filing a CTR that does not adequately protect us from short-term fluctuations or unforeseen events. While it would be reasonable to decrease CTR to counteract membership losses, it would also be reasonable to increase CTR to counteract financial losses.

**Conclusion** 

In consideration of all the above, we choose to file a 1.5 percent CTR for the 2019 Vermont Individual and Small Group rate filing.

Don George, President and CEO

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Ruth Greene, VP and CFO

2019 Rates Table Template v8.1	All fields with an asterisk (*) are required. To validate press Validate button or Ctrl + Shift + I. To finalize, press Finalize button or Ctrl + Shift + F.										
	If you are in a community rating state	you are in a community rating state, select Family-Tier Rates under Rating Method and fill in all columns.									
	, , , , , , , , , , , , , , , , , , , ,	ou are not in a community rating state, select rating the rating Method and min and volume.									
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HIOS Issuer II			is must have the same date	5 on a shoet.							
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Rating Method	Family-Tier Rates										
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Plan ID*	Rating Area ID*	Individual Rate*	Couple*	Primary Subscriber and One Dependent*	Primary Subscriber and Two Dependents*	Three or More Dependents*	Couple and One Dependent*	Couple and Two Dependents*	Couple and Three or More Dependents*		
			Required:								
Required:	Required:	Required:	Enter the rate of a couple based	Required:	Required:	Required: Enter the rate of a family based	Required:	Required:	Required: Enter the rate of a family bas		
Enter the 14-character Plan ID	Select the Rating Area ID	Enter the rate of an Individual Non-Tobacco or	on the pairing of a primary enrollee and a secondary	on a single parent with one		and a shareha manager to dely design and	Enter the rate of a family based	Enter the rate of a family based	and a second a codate shows a second		
		No Preference enrollee on a plan	subscriber (e.g. husband and	dependent	dependents	more dependents	on a couple with one dependent	on a couple with two dependents	dependents		
		l	spouse)			1					
13627VT032000		803.23		1550.23	1550.23						
13627VT032000		688.05		1327.94	1327.94		1933.42	1933.42			
13627VT032000		647.04		1248.79	1248.79		1818.18	1818.18			
13627VT032000		580.77		1120.89	1120.89		1631.96 1422.20				
13627VT032000		506.12		976.81	976.81	976.81		1422.20			
13627VT032000		521.81	1043.62	1007.09	1007.09		1466.29	1466.29			
13627VT033000		654.71 597.56	1309.42	1263.59	1263.59			1839.74			
13627VT033000 13627VT033000		597.56		1153.29 998.68	1153.29 998.68			1454.03			
13627VT033000 13627VT034000		249.21		480.98	480.98						
13627VT034000		803.23		1550.23	1550.23		2257.08	2257.08			
13627VT034000 13627VT034000		688.05		1327.94	1327.94		1933.42	1933.42			
13627VT034000		647.04		1248.79	1248.79		1818.18	1818.18			
13627VT034000		580.77		1120.89	1120.89		1631.96	1631.96			
13627VT034000 13627VT034000		506.12		976.81	976.81	976.81	1422.20	1422.20			
13627VT034000		521.81	1043.62	1007.09	1007.09		1466.29	1466.29			
13627VT034000		654.71	1309.42	1263.59	1263.59			1839.74			
13627VT035000		597.56		1153.29	1153.29		1679.14				
13627VT035000		517.45		998.68	998.68			1454.03			
13627VT035000		671.02		1295.07	1295.07		1885.57	1885.57			
13627VT036000		653.27		1260.81	1260.81	1260.81	1835.69	1835.69			
13627VT036000		579.64		1118.71	1118.71	1118.71	1628.79	1628.79			
13627VT036000		509.15		982.66	982.66			1430.71			
13627VT037000		638.31	1276.62	1231.94	1231.94			1793.65			
13627VT037000		642.94		1240.87	1240.87		1806.66	1806.66			
13627VT037000		577.72		1115.00	1115.00		1623.39	1623.39			
13627VT037000		513.96		991.94	991.94		1444.23	1444.23			
13627VT038000		671.02		1295.07	1295.07		1885.57	1885.57			
13627VT038000		653.27		1260.81	1260.81	1260.81	1835.69	1835.69			
13627VT038000		579.64		1118.71	1118.71	1118.71	1628.79	1628.79			
13627VT038000		509.15		982.66	982.66			1430.71	1430.		
13627VT039000		638.31	1276.62	1231.94	1231.94		1793.65	1793.65			
13627VT039000		642.94		1240.87	1240.87	1240.87	1806.66	1806.66			
13627VT039000		577.72		1115.00	1115.00						
	3 Rating Area 1	513.96		991.94				1444.23			

#### Please provide Company specific inputs for any cells shaded in blue that currently has dummy variables

#### Purpose, Scope, and Reason for Rate Increase

Insurance Company Name HIOS ID SERFF Filing Number Date of Submission Proposed Effective Date	Blue Cross and Blue Shield of Vermont 13627 N/A 5/11/2018 1/1/2019		
Before Rate Change After Rate Change	Average Annual Premium \$13,481 \$14,489	}	
	7.48%	Amount in SERFF's Rate Review Detail Section 7.48%	Explanation for differences
Proposed Overall Rate Change Proposed Minimum Rate Change	1.25%	1.25%	N/A
			PN/A
Proposed Maximum Rate Change	1.89%	18.87%	N/A

If the difference between the maximum and minimum rate increase is greater than 10%. Provide a statement and clear delineation of contributing factors explaining why certain individual will receive a rate decrease as low as the minimum while others will face rate increases as high as the maximum

he range of rate increase includes increase for Silver Level Exchange Plans as part of Vermont's "Silver Solution." BCBSVT collaborated with stakeholders to propose, develop, and implement the Silver Solution, a plan to offset the federal defunding of the cost-sharing reduction (CS

Actuarial Memo Dataset (2019 issues) - BCBSVT.xlsx

Relationship of Proposed Rate Scale to Current Rate Scale: Provide a detailed breakdown of the average rate change from the previous approved filing by using the chart below to itemize the drivers of the average rate change. The table should include the previous assumption,

current assumption, and the resulting change. Include additional lines as necessar				
Source of Change	Previous filing	Current Filing	Relativity	
	Assumption	Assumption	Current Filing / Previous filing	4
Base Period Experience	538.39	564.06	1.048	e.g. previous filing experience period index rate compared to the current filing experience index rate
Base Period Utilization Factor	1.0035	1.0075	1.004	If applicable, the change in this factor is based on the average copay impact difference between previous filing and current filing.
Pricing Trend	1.0933	1.1208	1.025	The change in this factor is based on the change the trend assumption in previous filing and current filing (e.g. 1.075^2 / 1.08^2)
Morbidity Adjustment	0.9978	1.0441		The change in this factor is based on the change in the morbidity assumptions between previous filing and current filing.
Risk Adjustment Recoveries	0.9995	0.9749		The change in this factor is based on the change in the risk adjustment recoveries assumptions between previous filing and current filing
Pent Up Demand	1.0000	1.0000	1.000	
Reinsurance Recoveries	1.0000	1.0000	1.000	
Reinsurance Premium	1.0000	1.0000	1.000	
Average Age Impact	1.0100	1.0101	1.000	
Additional EHB	1.0000	1.0000	1.000	
Exchange Fee	1.0000	1.0000	1.000	
Fixed Cost Adjustment	1.0756	1.0768	1.001	
SG&A	1.0000	1.0000	1.000	
Margin	1.0070	0.0000	0.000	
Taxes and Fees	1.0396	1.0128	0.974	
Benefit Design Changes	0.7933	0.8108	1.022	
Geography	1.0000	1.0000	1.000	
Tobacco	1.0000	1.0000	1.000	
Provider Networks Changes	0.9999	1.0000	1.000	
Non System Claims	0.9938	0.9863	0.992	
Impact of Selection	1.0199	1.0132	0.993	
Pharmacy Contract	0.9967	0.9875	0.991	
Non-EHB	1.0002	1.0002	1.000	
XXXXXX	XXXX	XXXX	1.000	
Total Rate Change			0.000	1
If applicable, Provide an explanation for difference between the Calculated Rate c	hange and the average rate change in cell B17		1.075	1
The small difference between the calculated rate change and the average n	ate change is due to membership mix, contract i	mix, order of operations and methodology.		

Annual Rate Change Distribution	Impacted # of Contracts	Impacted # of Members	Impacted # of Groups
Reduction of 15.00% or more		0	0
Reduction of 10.01% to 14.99%	0	0	0
Reduction of 5.01% to 10.00%	0	0	0
Reduction of 0.01% to 5.00%	0	0	0
No Change	0	0	0
Increase of 0.01% to 5.00%	11,347	18,740	2,474
Increase of 5.01% to 10.00%	13,326	23,886	2,508
Increase of 10.01% to 14.99%	1,206	1,784	0
Increase of 15.00% or more		9,254	0
Total	32,570	53,664	4,982

History of Rate Changes		
For Year	Average Annual Proposed Rate Change	Average Annual Approved Rate Change
2015	9.81%	7.70%
2016	8.40%	5.90%
2017	8.20%	7.30%
2018	12.68%	9.21%

Retention

neteniinii				Proposed Change in	Proposed Change in PMPM Compared to
	PMPM in effect during the experience	PMPM from Most Recent Approved Rate	Proposed PMPM for	PMPM Compared to	Most Recently Approved
	period	Filing	Effective Date	Prior 12 months	Filing
Dates			January 2019 - December		
	January 2017 - December 2017	January 2018 - December 2018	2019		
Commissions & Brokers Fees	\$0.00	\$0.00	\$0.00		
ACA Insurer Fee	\$0.00	\$13.96	\$0.00		-100.00%
Taxes, Licenses & Fees	\$1.90	\$2.56	\$2.98	56.68%	16.30%
Exchange Fee	\$0.00	\$0.00	\$0.00		
Reinsurance	\$0.00	\$0.00	\$0.00		
		\$35.08	\$38.17	8.46%	8.81%
All Other Admin Expense	\$35.20	\$30.08	\$30.17		
All Other Admin Expense Profit/Risk Margin	\$35.20 -\$2.98	\$35.06 \$3.76	\$30.17 \$0.00	-100.00%	-100.00%
				-100.00%	-100.00% Proposed Change in % o
	-\$2.98	\$3.76	\$0.00	-100.00% Proposed Change in %	-100.00% Proposed Change in % o Premium Compared to
	-\$2.98 As % of Premium during the experience	\$3.76 As % of Premium from Most Recent	\$0.00 Proposed As % of Premium	-100.00% Proposed Change in % of Premium Compared to	-100.00% Proposed Change in % c Premium Compared to Most Recently Approved
	-\$2.98	\$3.76	\$0.00	-100.00% Proposed Change in %	-100.00% Proposed Change in % c Premium Compared to
Profit/Risk Margin	-\$2.98 As % of Premium during the experience period	\$3.76 As % of Premium from Most Recent Approved Rate Filing	\$0.00 Proposed As % of Premium for Effective Date	-100.00% Proposed Change in % of Premium Compared to	-100.00% Proposed Change in % c Premium Compared to Most Recently Approved
Profit/Risk Margin Commissions & Brokers Frees	-\$2.98 As % of Premium during the experience period 0.00%	\$3.76 As % of Premium from Most Recent Approved Rate Filing 0.00%	\$0.00 Proposed As % of Premium for Effective Date 0.00%	-100.00% Proposed Change in % of Premium Compared to	-100.00% Proposed Change in % c Premium Compared to Most Recently Approved Filing
Profit Risk Margin Commissions & Brokers Fees ACA Insurer Fee	-\$2.98 As % of Premium during the experience period 0.00% 0.00%	\$3.76 As % of Premium from Most Recent Approved Rate Filing 0.00% 2.83%	\$0.00 Proposed As % of Premium for Effective Date 0.00% 0.00%	-100.00% Proposed Change in % of Premium Compared to Prior 12 months	-100.00% Proposed Change in % c Premium Compared to Most Recently Approved Filing -100.00%
Protit Pisk Margin Commissions & Brokers Fees ACA Insurer Fee Taxes, License & Fees	-\$2.98 As % of Premium during the experience period 0.00% 0.00% 0.05%	\$3.76 As % of Premium from Most Recent Approved Rate Filing 0.00% 2.83% 0.52%	\$0.00 Proposed As % of Premium for Effective Date 0.00% 0.00%	-100.00% Proposed Change in % of Premium Compared to Prior 12 months	-100.00% Proposed Change in % c Premium Compared to Most Recently Approved Filing -100.00%
Profil Files Margin Commissions & Bokers Free ACA Hearts Free Taxes, License & Fore Exchange Fee	-\$2.98 As % of Premium during the experience period 0.00% 0.39% 0.00%	\$1.76 As % of Premium from Most Recent Approved Rate Filing 0.00% 2.83% 0.52% 0.00%	\$0.00 Proposed As % of Premium for Effective Date 0.00% 0.51% 0.05%	-100.00% Proposed Change in % of Premium Compared to Prior 12 months	-100.00% Proposed Change in % c Premium Compared to Most Recently Approved Filing -100.00%

3CBSVT does not pay commissions on plans impacted by this filing.

#### Trend & Projection Assumptions

Trend & Projection Assumptions													
													Normalized
										Normalized Monthly			Annualized
			Monthly Allowed Claims \$ PMPM*		Annualized Rolling 6 Mo					Allowed Claims \$			Rolling 3 Mo
Monthly Trend Analysis Based on Experience Data Time Period used for Rate Development (ACA Only)	Month Apr-2015	Member Months 63.110	\$507.52	Rolling 12 Mo Trend	Trend	Annualized Rolling 3 Mo Trend		Average Age/Gender Factor 1.00	Other Factor	PMPM* \$507.52	Normalized Rolling 12 Mo Trend	Rolling 6 Mo Trend	Trend
used for Hate Development (ACA Only)	Apr-2015 May-2015	63,534	\$450.79				1.00	1.00		\$507.52 \$450.79			
	May-2015 Jun-2015	64,784	\$450.79 \$512.85				1.00	1.00	1.00	\$512.85			
	Jun-2015 Jul-2015	64,918	\$509.91				1.00	1.00	1.00	\$509.91			+
	Jui-2015 Aug-2015	64,305	\$490.33				1.00	1.00	1.00	\$490.33			
	Sep-2015	64,314	\$522.65			14.73%	1.00	1.00	1.00	\$522.65			14.73%
	Oct-2015	63.920	\$514,44			14.73%	1.00	1.00	1.00	\$514.44			15.18%
	Nov-2015	63,620	\$470.50			-1.38%	1.00	1.00	1.00	\$470.50			-1.38%
	Dec-2015	63.152	\$524.76			-3.43%	1.00	1.00	1.00	\$524.76			-3.43%
	Jan-2016	63.068	\$524.06			-2.15%	1.00	1.00	1.00	\$524.06			-2.15%
	Feb-2016	62,722	\$515.66			15.87%	1.00	1.00	1.00	\$515.66			15.87%
	Mar-2016	62,640	\$539.35		6.35%	19.68%	1.00	1.00	1.00	\$539.35		6.35%	19.68%
	Apr-2016	68.072	\$504.99		5.17%	19.03%	1.00	1.00	1.00	\$504.99		5.17%	19.08%
	May-2016	68.593	\$517.93		7.00%	-0.97%	1.00	1.00	1.00	\$517.93		7.00%	-0.97%
	Jun-2016	69.227	\$560.87		8.81%	1.33%	1.00	1.00	1.00	\$560.87		8.81%	1.33%
	Jul-2016	69.186	\$494.39		5.72%	3.78%	1.00	1.00	1.00	\$494.39		5.72%	3.78%
	Aug-2016	69.357	\$509.53		3.51%	1.05%	1.00	1.00	1.00	\$509.53		3.51%	1.05%
	Sep-2016	69.509	\$542.29		2.74%	-9.24%	1.00	1.00	1.00	\$542.29		2.74%	-9.24%
	Oct-2016	69.807	\$503.58		3.30%	-4.47%	1.00	1.00	1.00	\$503.58		3.30%	-4.47%
	Nov-2016	69.938	\$549.35		2.25%	8.01%	1.00	1.00	1.00	\$549.35		2.25%	8.01%
	Dec-2016	70.118	\$550.26		.0.86%	15.57%	1.00	1.00	1.00	\$550.26		-0.86%	15.57%
	Jan-2017	70.311	\$534.15		3.67%	21.73%	1.00	1.00	1.00	\$534.15		3.67%	21.73%
	Feb-2017	70,375	\$575.04		8.45%	17.12%	1.00	1.00	1.00	\$575.04		8.45%	17.12%
	Mar-2017	70.977	\$591.42	5.82%	11.44%	26.65%	1.00	1.00	1.00	\$591.42	5.82%	11.44%	26.65%
	Apr-2017	69,561	\$554.43	6.67%	15.01%	23.22%	1.00	1.00	1.00	\$554.43	6.67%	15.01%	23.22%
	May-2017	69,874	\$508.51	5.35%	10.01%	-1.08%	1.00	1.00	1.00	\$508.51	5.35%	10.01%	-1.08%
	Jun-2017	69,644	\$573.23	4.68%	12.25%	-14.39%	1.00	1.00	1.00	\$573.23	4.68%	12.25%	-14.39%
	Jul-2017	69,292	\$499.39	5.04%	7.26%	-28.79%	1.00	1.00	1.00	\$499.39	5.04%	7.26%	-28.79%
	Aug-2017	68,904	\$577.18	5.81%	3.09%	-1.25%	1.00	1.00	1.00	\$577.18	5.81%	3.09%	-1.25%
	Sep-2017	68,586	\$558.07	5.70%	-2.06%	-0.42%	1.00	1.00	1.00	\$558.07	5.70%	-2.06%	-0.42%
	Oct-2017	68,259	\$537.15	6.45%	-5.99%	25.20%	1.00	1.00	1.00	\$537.15	6.45%	-5.99%	25.20%
	Nov-2017	67,932	\$566.95	5.41%	-0.16%	3.03%	1.00	1.00	1.00	\$566.95	5.41%	-0.16%	3.03%
	Dec-2017	67,540	\$554.31	5.03%	-2.67%	6.01%	1.00	1.00	1.00	\$554.31	5.03%	-2.67%	6.01%
	Jan-2018	67,184	\$629.13	6.33%	7.33%	19.85%	1.00	1.00	1.00	\$629.13	6.33%	7.33%	19.85%
	Feb-2018	66,853	\$597.21	5.67%	8.45%	31.66%	1.00	1.00	1.00	\$597.21	5.67%	8.45%	31.66%
Last Month in Experience Period	Mar-2018	66,195	\$593.45	4.78%	13.03%	45.09%	1.00	1.00	1.00	\$593.45	4.78%	13.03%	45.09%
				_									
	Historical Experience (ACA Only):	Incurred or Allowed Basis? <sup>(1)</sup> :	Allowed	(1) Choose the option base	d on how pricing is develope	d (i.e., if allowed trends are used i	in projections, select "Allo	ved").					
Solvency													
		Most Recent Annual											
	Most Recent Quarterly Financial Statement	Financial Statement											
Total Adjusted Capital	N/A	N/A											
Authorized Control Level	N/A	N/A											
RBC Ratio													
Loss Ratio					1	1	-			-	Quality		
				1	Earned	Loss	1	Expected	A-to-E	1	Improvement	Adjustments	Adi Medical
Time Period	Period Beginning Date	Period Ending Date	Member Months	Incurred Claims	Premium	Ratio	1	Incurred Claims	Claims Ratio		Expenses	to Earned Premium	Loss Ratio
Historical Year -4	1/1/2013	12/31/2013	Merriber Monuts		Preilium		-	0	Granna Habo		0	0	#DIV/0!
Historical Year -3	1/1/2013	12/31/2014	638.492	231.441.129	249.496.313	92.8%	-	245.275.629	94.4%		1.942.476	8.962.200	97.0%
Historical Year -2	1/1/2014	12/31/2015	768.293	294,107,084	330,568,002	89.0%	-	272.117.666	108.1%		2,113,072	7.798.968	91.8%
Historical Year -1	1/1/2016	12/31/2016	835.541	358,202,866	377,634,175	94.9%	1	346,524,246	103.4%	1	2,327,933	7,903,488	97.5%
Historical Year 0	1/1/2017	12/31/2017	820.156	373,101,581	403,294,396	92.5%	-	413.852.352	90.2%		1.657.256	1.657.256	93.3%
Instantial Totalo			2,022,422	1 256 952 660	1 260 002 896	02.9%	-	1 077 780 900	08.4%	-	8 040 737	26 221 012	04.99/

Historical Totals			3,062,482	1,256,852,660	1,360,992,886	92.3%
Interim Time Period	1/1/2018	3/31/2018	162,597	74,728,175	87,614,100	85.3%
Future Year 1	1/1/2019	12/31/2019	631,092	341,203,232	371,776,055	91.8%

0	
245,275,629	94.4%
272,117,666	108.1%
346,524,246	103.4%
413,852,352	90.2%
1,277,769,893	98.4%
71.411.276	104.6%
11,411,210	104.010
341,203,232	100.0%

Expenses	to Earned Premium	Loss Ratio
0	0	#DIV/0!
1,942,476	8,962,200	97.0%
2,113,072	7,798,968	91.8%
2,327,933	7,903,488	97.5%
1,657,256	1,657,256	93.3%
8,040,737	26,321,912	94.8%
0	0	85.3%
3,507,663	1,975,036	93.2%

Articipated Pricing Loss Ratio (no adjustments) 97% Articipated IX suing Federally-prescribed MLR methododogy 92% Protection of the second second represent caleradry years since the inception date of the plan type through the most recent date available allowing for the appropriate amount of run-out. The interim time predicts the time precise available in the current year. The future year should represent the 12 months immediately following the rate effective date.

Consumer Adjusted Premium Rate Development									
Index Rate for Projected Period PMPM	\$662.94								
Risk Adjustment PMPM	(\$16.65)								
Net Reinsurance Contributions PMPM	\$0.00								
Exchange User Fees PMPM	\$0.00								
Market Adjusted Index Rate PMPM	\$646.29								
Product	Standard Platinum	XXX	Standard Gold	Blue Rewards Gold CDHF	Standard Silver CDHP	Rewards Silver CDHP - Refle	tandard Bronze Integrate	Blue Rewards Bronze	Catastrophic
Product ID	13627VT034 and 13627VT032	XXX	13627VT034 and 13627VT032		627VT033 and 13627VT0	13627VT037 and 13627VT039	27VT034 and 13627VT0	13627VT036 and 13627VT038	13627VT034
Plan ID	13627VT0340002 and 13627VT0320001	XXX	7VT0340003 and 13627VT032	T0370001 and 13627VT0	T0330001 and 13627VT0	27VT0370004 and 13627VT039		27VT0360003 and 13627VT0380	13627VT0340001
	Platinum	Platinum	Gold	Gold	Silver	Silver	Bronze	Bronze	10027410040001
Metal Tier	(with highest Metal AV)	(with lowest Metal AV)	(with highest Metal AV)	(with lowest Metal AV)	(with highest Metal AV)	(with lowest Metal AV)	(with highest Metal AV)	(with lowest Metal AV)	Catastrophic
Metal Ner Metal AV Value	(with highest weta XV)	(with lowest wetal XV)	(with highest weta AV)	0.761	(with highest wetar AV) 0.703	0.718	(with highest weat AV) 0.630	0.612	0.570
Pricing AV Value	1.110	0.000	0.950	0.882	0.904	0.798	0.630	0.612	0.385
	10 262	0.000	5.836	6.499	1.695	0.798	485	598	264
Projected Member Months									
Market Adjusted Index Rate PMPM	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29	\$646.29
Plan Adjustments (in multiplicative format)									
Actuarial value and cost-sharing design of the plan	1.019	0.000	0.864	0.786	0.819	0.705	0.641	0.613	0.613
Provider network, delivery system characteristics and utilization management									
practices	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Plan benefits in addition to EHB	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Expected impact of special eligibility categories (only for catastrophic plans)	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	0.494
Plan Adjustments (in % format)									
Distribution and administration costs	8.1%	0.0%	9.0%	10.8%	9.4%	11.6%	11.1%	12.8%	21.2%
Plan Adjusted Index Rate	\$717.13	\$0.00	\$614.31	\$569.86	\$584.52	\$515.79	\$465.87	\$454.57	\$248.56
Age Calibration Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Geography Calibration Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Tobacco Surcharge Calibration Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Aggregate Calibration Factor									
Consumer Adjusted Premium Rate PMPM	\$717.13	\$0.00	\$614.31	\$569.86	\$584.52	\$515.79	\$465.87	\$454.57	\$248.56
Calculated Pricing AV	1.110	0.000	0.951	0.882	0.904	0.798	0.721	0.703	0.385
Pricing AV in URRT	1.110	0.000	0.950	0.882	0.904	0.798	0.721	0.703	0.385
Difference	0.0%	#DIV/0!	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Explanation for differences between implied Pricing AV and URRT	N/A								
Age 40 Factor	1.120								
	1.120								
Tobacco Surcharge Factor	1.000								
Tobacco Surcharge Factor Geographic Rating Area #1	1.000 1.000								
Tobacco Surcharge Factor Geographic Rating Area #1 Geographic Rating Area #3	1.000 1.000 1.000								
Tobacco Surcharge Factor Geographic Rating Area #1	1.000 1.000								
Tobaco Surcharge Factor Geographic Rating Area #1 Geographic Rating Area #0 Geographic Rating Area #5	1.000 1.000 1.000 1.000								
Tobacco Surchange Factor Geographic Raing Area #1 Geographic Raing Area #3 Geographic Raing Area #5 Yotot II a particular plan is not offered in a rating area, please override the formula	1.000 1.000 1.000 1.000 and enter "N/A" below	80.00	8609.00	8019 70	\$0E4 71	8577.70	\$511.01	\$500.15	9770 41
Tobacco Surcharge Factor Geographic Rating Area 81 Geographic Rating Area 83 Geographic Rating Area 83 Geographic Rating Area 85 *Note I's particular plan is not offered in a rating area, please override the formulas Calculated Premum Rate (Age 40, Area 1, Tobacco User)	1.000 1.000 1.000 1.000 and enter "N/A" below \$803.25	\$0.00 80.00	\$688.06	\$639.28	\$654.71	\$577.72	\$521.81 \$521.91	\$509.15	\$278.41
Totacco Sautrange Fastor Geographic Rating Area #1 Geographic Rating Area #3 Geographic Rating Area #3 Whiel # a particular plan in oct offered in a rating area, please override the formula Calculated Premium Rate (Age 40, Area 1, Totacco User) Calculated Premium Rate (Age 40, Area 1, Totacco User)	1.000 1.000 1.000 1.000 and enter "N/A" below \$803.25 \$803.25	\$0.00	\$688.08	\$638.28	\$654.71	\$577.72	\$521.81	\$509.15	\$278.41
Tobacco Surcharge Factor Geographic Rating Area 81 Geographic Rating Area 83 Geographic Rating Area 83 Geographic Rating Area 85 *Note I's particular plan is not offered in a rating area, please override the formulas Calculated Premum Rate (Age 40, Area 1, Tobacco User)	1.000 1.000 1.000 1.000 and enter "N/A" below \$803.25								
Tobacco Survharge Frator Geographic Rating Area #1 Geographic Rating Area #3 Geographic Rating Area #3 Geographic Rating Area #3 Geographic Rating Area #3 Hand Barrison Rate (Age 40, Area 1, Tobacco User) Calculated Permitim Rate (Age 40, Area 1, Tobacco User) Calculated Permitim Rate (Age 40, Area 1, Tobacco User)	1.000 1.000 1.000 1.000 and enter "N/A" below \$803.25 \$803.25 \$803.25	\$0.00	\$688.08 \$688.08	\$638.28 \$638.28	\$654.71 \$654.71	\$577.72 \$577.72	\$521.81 \$521.81	\$509.15 \$509.15	\$278.41 \$278.41
Totosco Suruhange Factor Geographic Hairly Area #1 Geographic Hairly Area #3 Geographic Hairly Area #3 Geographic Hairly Area #5 ************************************	1.000 1.000 1.000 1.000 4.000 \$803.25 \$803.25 \$803.25 \$803.25	\$0.00	\$688.08 \$688.08 \$688.05	\$638.28 \$638.28 \$638.31	\$654.71 \$654.71 \$854.71	\$577.72 \$577.72 \$577.72	\$521.81 \$521.81 \$521.81	\$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21
Tobacco Suruhange Frador Georganithe Tailing Anea af Georganithe Tailing Anea af Georganithe Tailing Anea af Surographithe Tailing Anea af Tobac af apartodar plans in not different and a rating area, plasse override the formal Calculated Permitum Rate (Age 40, Area 1, Tobacco User) Calculated Permitum Rate (Age 40, Area 3, Tobacco User) Calculated Permitum Rate (Age 40, Area 3, Tobacco User) Calculated Permitum Rate (Age 40, Area 5, Tobacco User) Deposed Permitum Rate (Age 40, Area 5, Tobacco User) Proposed Permitum Rate (Age 40, Area 5, Tobacco User)	1.000 1.000 1.000 1.000 8003 25 \$003 25 \$003 25 \$003 25 \$003 23 \$003 23	\$0.00	\$688.08 \$688.08 \$688.05 \$688.05	\$638.28 \$638.28 \$638.31 \$638.31	\$654.71 \$654.71 \$654.71 \$854.71 \$854.71	\$577.72 \$577.72 \$577.72 \$577.72	\$521.81 \$521.81 \$521.81 \$521.81	\$509.15 \$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21 \$249.21
Totosco Suruhange Factor Geographic Hairly Area #1 Geographic Hairly Area #3 Geographic Hairly Area #3 Geographic Hairly Area #5 ************************************	1.000 1.000 1.000 1.000 4.000 \$803.25 \$803.25 \$803.25 \$803.25	\$0.00	\$688.08 \$688.08 \$688.05	\$638.28 \$638.28 \$638.31	\$654.71 \$654.71 \$854.71	\$577.72 \$577.72 \$577.72	\$521.81 \$521.81 \$521.81	\$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21
Totesco Suruhange Trador Georganite Raing Area #1 Georganite Raing Area #3 Georganite Raing Area #3 Storganite Raing Area #3 Storganite Raing Area #4 Stolauted Premium Raie (Age 40, Area 1, Totasco User) Calucitated Premium Raie (Age 40, Area 1, Totasco User) Calucitated Premium Raie (Age 40, Area 5, Totasco User) Calucitated Premium Raie (Age 40, Area 5, Totasco User) Proposed Premium Raie (Age 40, Area 5, Totasco User)	1.000 1.000 1.000 and enter "N/A" below \$800.25 \$800.25 \$800.25 \$800.25 \$800.25	\$0.00 \$0.00	\$688.06 \$688.06 \$688.05 \$688.05 \$688.05	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31	\$854.71 \$854.71 \$854.71 \$854.71 \$854.71 \$854.71	\$577.72 \$577.72 \$577.72 \$577.72 \$577.72 \$577.72	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21 \$249.21 \$249.21 \$249.21
Tobacco Survharge Frator Georganich Rating Area #1 Georganich Rating Area #3 Georganich Rating Area #3 Exemption Rating Area #4 Restructure Townson Rate (Age 40, Area 1, Tobacco User) Calculated Permium Rate (Age 40, Area 1, Tobacco User) Calculated Permium Rate (Age 40, Area 1, Tobacco User) Restructure Townson Rate (Age 40, Area 1, Tobacco User) Picoposed Permium Rate (Age 40, Area 1, Tobacco User)	1.000 1.000 1.000 1.000 8003 25 \$003 25 \$003 25 \$003 25 \$003 23 \$003 23	\$0.00 \$0.00 #DRV/01	\$688.06 \$688.05 \$688.05 \$688.05 \$688.05 0.0%	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31 \$638.31	\$654.71 \$054.71 \$654.71 \$654.71 \$654.71 \$054.71	\$577.72 \$577.72 \$577.72 \$577.72 \$577.72 \$577.72 0.0%	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0%	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21 \$249.21 \$249.21 \$249.21 \$249.21
Totesco Suruhange Trador Georganite Raing Area #1 Georganite Raing Area #3 Georganite Raing Area #3 Storganite Raing Area #3 Storganite Raing Area #4 Stolauted Premium Raie (Age 40, Area 1, Totasco User) Calucitated Premium Raie (Age 40, Area 1, Totasco User) Calucitated Premium Raie (Age 40, Area 5, Totasco User) Calucitated Premium Raie (Age 40, Area 5, Totasco User) Proposed Premium Raie (Age 40, Area 5, Totasco User)	1.000 1.000 1.000 and enter "N/A" below \$800.25 \$800.25 \$800.25 \$800.25 \$800.25	\$0.00 \$0.00	\$688.06 \$688.06 \$688.05 \$688.05 \$688.05	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31	\$854.71 \$854.71 \$854.71 \$854.71 \$854.71 \$854.71	\$577.72 \$577.72 \$577.72 \$577.72 \$577.72 \$577.72	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21 \$249.21 \$249.21 \$249.21
Totesco Suruhange Factor Geographic Raing Area #1 Geographic Raing Area #3 Geographic Raing Area #3 Storganghic Raing Area #3 Subset #3 particular galas is not glag area, pixos overde the formula Galoxitate Premum Rain (Age 40, Area 1, Tobacco User) Caloxitate Premum Rain (Age 40, Area 3, Totacco User) Caloxitate Premum Rain (Age 40, Area 3, Totacco User) Proposed Premum Rain (Age 40, Area 3, Totacco User) Proposed Premum Rain (Age 40, Area 3, Totacco User) (Difference (Age 40, Area 3, Totacco User) (Difference (Age 40, Area 3, Totacco User)	1.000 1.000 1.000 1.000 9.00125 9.0010000000000000000000000000000000000	\$0.00 \$0.00 #DTV/0! #DTV/0!	\$688.08 \$688.06 \$688.05 \$688.05 \$688.05 0.0% 0.0%	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31 0.0% 0.0%	\$654.71 \$654.71 \$654.71 \$654.71 \$654.71 \$654.71 0.0% 0.0%	\$577.72 \$577.72 \$577.72 \$577.72 \$577.72 \$577.72 0.0% 0.0%	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0% 0.0%	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 \$509.15 0.0% 0.0%	\$278.41 \$278.41 \$249.21 \$249.21 \$249.21 -10.5% -10.5%
Telacoc Servinage Factor Geographic Falling Area #1 Geographic Falling Area #3 Geographic Falling Area #3 Falling Falling Area #3 Falling Falling Area #5 Falling Falling Area #5 Calculated Premium Rate (Age 40, Area 1, Tobacco Liser) Calculated Premium Rate (Age 40, Area 1, Tobacco Liser) Proposed Premium Rate (Age 40, Area 1, Tobacco Liser) Difference (Age 40, Area 1, Tobacco Liser) Difference (Age 40, Area 3, Tobacco Liser)	1.000 1.000 1.000 1.000 1.000 2.00 2.00	\$0.00 \$0.00 #DfV/01 #DfV/01 #DfV/01	\$688.06 \$688.05 \$688.05 \$688.05 \$688.05 0.0%	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31 \$638.31	\$654.71 \$054.71 \$654.71 \$654.71 \$654.71 \$054.71	\$577.72 \$577.72 \$577.72 \$577.72 \$577.72 \$577.72 0.0%	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0%	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 \$509.15	\$278.41 \$278.41 \$249.21 \$249.21 \$249.21 \$249.21 \$249.21
Tobacco Suruhange Trador Georganithe Tating Area at Georganithe Tating Area at Georganithe Tating Area at Secongatine Tating Area at Secongatine Tating Area at Secongatine Tating Area at Calculated Premium Rate (Age 40, Area 1, Totacco User) Calculated Premium Rate (Age 40, Area 1, Totacco User) Calculated Premium Rate (Age 40, Area 1, Totacco User) Proposed Premium Rate (Age 40, Area 1, Totacco User) Proposed Premium Rate (Age 40, Area 1, Totacco User) Proposed Premium Rate (Age 40, Area 5, Totacco User) Proposed Premium Rate (Age 40, Area 5, Totacco User) Ofference (Age 40, Area 1, Totacco User) Explanation for differences Actuarial vatue and cost-sharing design of the plan	1.000 1.000 1.000 1.000 and etter *N/A* below \$400.25 \$400.2	90.00 90.00 ADM/0	\$688.08 \$688.06 \$688.05 \$688.05 \$688.05 0.0% 0.0% 0.0%	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31 0.0% 0.0% 0.0%	\$654.71 \$654.71 \$654.71 \$654.71 \$654.71 \$654.71 0.0% 0.0%	\$677.72 \$677.72 \$677.72 \$677.72 \$677.72 \$677.72 \$677.72 \$677.72 \$677.72	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0% 0.0% 0.0%	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 \$509.15 0.0% 0.0% 0.0%	\$278.41 \$278.41 \$249.21 \$249.21 \$249.21 -10.5% -10.5% -10.5%
Tobacco Survharge Frator Coccegnitio: Tating Area #1 Clacognitio: Tating Area #1 Clacognitio: Tating Area #3 Clacognitio: Tating Area #3 Clacognitio: Tating Area #3 Clacognitio: Tating Area #4 Clacognitio: Tating	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.019 1.019 1.019 1.019	\$0.00 \$0.00 #DfV/01 #DfV/01 #DfV/01	\$688.08 \$688.09 \$688.05 \$688.05 \$688.05 \$688.05 0.0% 0.0% 0.0% 0.0%	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31 0.0% 0.0% 0.0% 0.0%	\$654.71 \$654.71 \$654.71 \$654.71 \$654.71 0.0% 0.0% 0.0% 0.0%	\$77.72 \$577.72	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0% 0.0% 0.0% 0.0%	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 0.0% 0.0% 0.0% 0.0%	3278.41 3278.41 33943.21 33943.21 33943.21 -10.5% -10.5% -10.5% 0.613
Totesco Survharge Fractor Georganith Falling Area al Georganith Falling Area al Georganith Falling Area al Surganither Maring Area al Surganither Maring Area al Survisation and Survey Area and Area and Area and Area Calculated Permitum Rate (Age 40, Area 3, Totesco User) Calculated Permitum Rate (Age 40, Area 3, Totesco User) Calculated Permitum Rate (Age 40, Area 3, Totesco User) Calculated Permitum Rate (Age 40, Area 5, Totesco User) Calculated Permitum Rate (Age 40, Area 5, Totesco User) Proposed Permitum Rate (Age 40, Area 5, Totesco User) Proposed Permitum Rate (Age 40, Area 5, Totesco User) Difference (Age 40, Area 3, Totesco User) Difference (Age 40, Area 4, Totesco User) Differenc	1.000 1.000 1.000 1.000 1.000 1.000 4.0025 4.0025 4.0025 4.0025 4.0025 4.0025 4.0025 4.0025 4.0025 4.005 4.0	90.00 90.00 ADM/0	\$688.06 \$688.06 \$688.05 \$688.05 \$688.05 0.0% 0.0% 0.0% 0.0%	\$638.28 \$638.28 \$638.31 \$668.31 \$668.31 0.0% 0.0% 0.0% 0.0% 0.0%	\$654.71 \$654.71 \$654.71 \$654.71 \$654.71 0.0% 0.0% 0.0% 0.0%	\$77.72 \$77.72 \$577.	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0% 0.0% 0.0% 0.0% 0.0%	8000 15 8000 15 8000 15 8000 15 8000 15 8000 15 8000 15 0.0% 0.0% 0.0% 0.0% 0.0%	278.41 278.41 2849.21 2849.21 2849.21 
Tobacco Survharge Frator Coccegnitio: Tating Area #1 Clacognitio: Tating Area #1 Clacognitio: Tating Area #3 Clacognitio: Tating Area #3 Clacognitio: Tating Area #3 Clacognitio: Tating Area #4 Clacognitio: Tating	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.019 1.019 1.019 1.019	90.00 90.00 ADM/0	\$688.08 \$688.09 \$688.05 \$688.05 \$688.05 \$688.05 0.0% 0.0% 0.0% 0.0%	\$638.28 \$638.28 \$638.31 \$638.31 \$638.31 0.0% 0.0% 0.0% 0.0%	\$654.71 \$654.71 \$654.71 \$654.71 \$654.71 0.0% 0.0% 0.0% 0.0%	\$77.72 \$577.72	\$521.81 \$521.81 \$521.81 \$521.81 \$521.81 0.0% 0.0% 0.0% 0.0%	\$509.15 \$509.15 \$509.15 \$509.15 \$509.15 0.0% 0.0% 0.0% 0.0%	3278.41 3278.41 33943.21 33943.21 33943.21 -10.5% -10.5% -10.5% 0.613

(Intentionally left blank. See below)

		Assumed in Most Recent Approved Rate	Assumed in Current Rate	Proposed Change in PMPM Compared to	Proposed Change in PMPM Compared to Most Recently Approved			
	Actual Risk Adjustment Received	Filing	Filing	Prior 12 months	Filing			
Time Period		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019					
Total Risk adjustment (Dollar amount)	\$300,153	\$334,434	\$8,618,593					
Membership Member Months	835,541	840,420	631,092	-24.47%	-24.91%			
PMPM	\$0.36	\$0.40	\$13.66	3701.62%	3331.86%			
Premium	\$377,634,175	\$452,763,021	\$373,751,090	-1.03%	-17.45%			
As a % of Premium	0%	0%	2%	2801.23%	3021.87%			
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Please provide an exhibit, in excel with working formulas, demonstrating the calculation of the rate increase assuming that the current membership in terminated plans are mapped to renewal/proposed plans closest to the member's current benefit structure or Pricing AV. Include a quantitative calculation of the differences in benefits and cost sharing, as well as the Pricing and Media AVs for the current and renewal/proposed plans, he differences in benefits and cost sharing, as well as the Pricing and Media AVs for the current and renewal/proposed 2019 plans. In the following text how state where in the filling the requested exhibit is located.