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**Department of Vermont Health Access**  
**Vermont Blueprint for Health**  
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The [Morrisville Blueprint Adult Community Health Profile](#) follows this note

Hello,

We are pleased to share the latest Blueprint Community Health Profile for your area. Before digging in to the data, there are some changes we'd like you to be aware of.

*The three most important things to know are:*

1. *The new profile takes a full-population approach*, reporting on all residents of the health service area with a health care claim in VHCURES (instead of only patients of Blueprint practices, as in the past).
2. *You cannot compare the data in this profile to data in any previous profile*. Doing so could create false impressions of the changes in your community over time due to substantial changes in methodology and in the underlying dataset, described below.
3. The risk-adjusted quality measure results (diabetes in poor control, hypertension in control, developmental screen under age three, adolescent well-care visit) used to calculate Blueprint performance payment scores, the scores themselves, and the resulting payment amounts are now reported separately from the community health profiles. *The performance payment profile is available on the Blueprint website*.

If you have any questions about the profiles, please contact your area's Program Manager or Quality Improvement Facilitator, or any of the staff in the Blueprint's Waterbury office. [Contact information](#) is on the Blueprint website.

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*What else to know before using this Blueprint community health profile:*

#### About the Profiles

If you are new to the community health profiles, here is a little about them: The Blueprint produces profiles of health status, some social determinants of health, health care utilization, and health outcomes. They offer Vermont communities an opportunity to identify successes and opportunities for improvement. The data here includes comparisons to other health service areas, providing information about variation and creating opportunities to identify and learn from the top performers.

#### New Full Population Approach

The latest community health profiles include data about all the people living in each Blueprint health service area who are in Vermont's all-payer claims database (VHCURES). Previous profiles included the subset of people who received their care in Blueprint Patient-Centered Medical homes. This change aims to make the profiles more inclusive, offering the most complete possible picture of the health and health care of all the people in your

community. More information about who is included is in the [profiles and supporting documentation](#) on the Blueprint website.

#### Changes in the Underlying Dataset

The U.S. Supreme Court's 2016 decision in *Gobeille vs. Liberty Mutual Insurance Company* ruled that self-insured plans subject to ERISA do not need to submit information to VHCURES. Some subsequently chose not to submit information, changing the data available from VHCURES. In 2017, the population in VHCURES had a larger proportion of Medicare and Medicaid members and decline in commercial members compared to previous years. This is another reason not to compare data in these profiles to data in previous profiles.

#### Risk Adjustment Reminder

When interpreting the profiles, please remember that most of the expenditure and utilization data presented in the report has been risk adjusted for age, gender, and condition. This makes it possible to compare performance across Hospital Service Areas within the same year – and makes it inaccurate in most cases to assume variation is based on the age or condition severity of residents.

#### Expenditures Include Shadow Claims

In the calendar year 2017 profiles, expenditures for ACO attributed lives are reported as estimated (based on shadow claims and traditional fee-for-service costs) rather than actual ACO costs including capitated payments.

Thanks, and please be in touch with any questions,  
The Blueprint Team

Welcome to the *Blueprint Community Profile*. The Blueprint for Health designs community-led strategies for improving health and wellbeing. The Blueprint supports Patient Centered Medical Homes, Community Health Teams, Community Collaboratives, the Hub & Spoke program, SASH, Women’s Health, and Healthier Living workshops.

Blueprint Community Profiles are based primarily on data from Vermont's all-payer claims database, the Vermont Health Care Uniform Reporting and Evaluation System (VHCURES). Data include all covered commercial, Full Medicaid, and Medicare members.

This reporting includes the 381,575 Vermont residents represented in VHCURES and groups them by those: (1) attributed to a Blueprint primary care practice, (2) attributed to non-Blueprint primary care, and (3) with no primary care attribution. Members are assigned to an HSA based on the location of their residence.

Blueprint Community Profiles for the adult population cover members ages 18 years and older; pediatric profiles cover members between the ages of 1 and 17 years.

Utilization and expenditure rates presented in these profiles have been risk adjusted for demographic and health status differences among the reported populations.

Expenditures for ACO capitated services represent what would have been paid as reported in VHCURES claims rather than actual capitation expenditures.

In addition to VHCURES, these profiles also use the Blueprint clinical data registry, and the Behavioral Risk Factor Surveillance Study (BRFSS), a telephone survey conducted annually by the Vermont Department of Health.

Rates for HSAs reporting fewer than 30 members for a measure are not presented in alignment with NCQA HEDIS guidelines.

### Demographics & Health Status

	HSA	Statewide
Distinct Members	17,484	381,575
Average Members	15,908	349,993
Average Age	50.6	51.1
% Female	52.9	53.5
% Medicaid	24.8	22.5
% Medicare	31.0	32.9
% Maternity	6.0	6.8
% with Selected Chronic Conditions	35.7	38.4
<b>Health Status (CRG)</b>		
% Healthy	35.8	32.7
% Acute or Minor Chronic	13.9	13.7
% Moderate Chronic	23.6	24.2
% Significant Chronic	24.8	27.1
% Cancer or Catastrophic	1.9	2.3

**Table 1:** This table provides comparative information on the demographics and health status of the specified HSA and of the state as a whole. Included measures reflect the types of information used to generate adjusted rates: age, gender, maternity status, and health status.

Average Members serves as this table's denominator and adjusts for partial lengths of enrollment during the year. In addition, special attention has been given to adjusting for Medicaid and Medicare. This includes adjustment for each member's enrollment in Medicaid or Medicare, the member's HSA's percentage of membership that was Medicaid or Medicare, Medicare disability or end-stage renal disease status, and the degree to which the member required special Medicaid services that are not found in commercial populations (e.g., day treatment, residential treatment, case management, school-based services, and transportation).

The % with Selected Chronic Conditions measure indicates the proportion of members identified through the claims data as having one or more of seven selected chronic conditions: asthma, chronic obstructive pulmonary disease, congestive heart failure (CHF), coronary heart disease, hypertension, diabetes, and depression.

The Health Status (CRG) measure aggregates 3M™ Clinical Risk Grouper (CRG) classifications for the year for the purpose of generating adjusted rates. Aggregated risk classification groups include: Healthy, Acute (e.g., ear, nose, throat infection) or Minor Chronic (e.g., minor chronic joint pain), Moderate Chronic (e.g., diabetes), Significant Chronic (e.g., diabetes and CHF), and Cancer (e.g., breast cancer, colorectal cancer) or Catastrophic (e.g., HIV, muscular dystrophy, cystic fibrosis). CRG identification was enhanced using additional diagnostic and pharmacy information for CY2017 reporting, resulting in fewer healthy members and more members with chronic and other conditions.

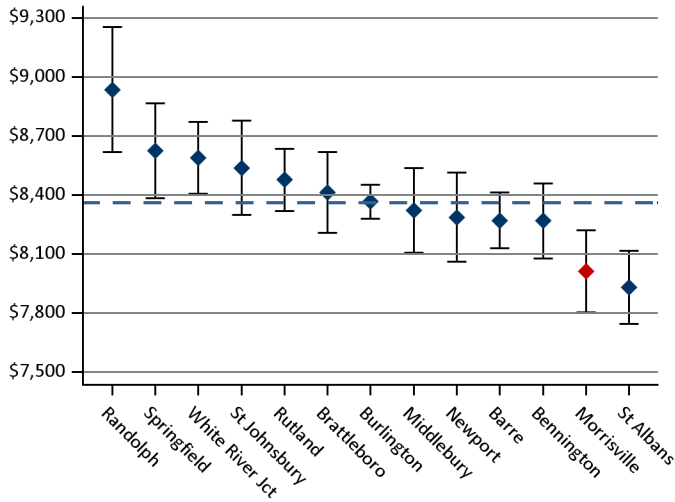
**Table 2. Demographic & Health Status Indicators by Primary Care Attribution Group**

		Community H.S.A.	Statewide
Distinct Members	Blueprint primary care practice attributed	12,585	243,586
	Non-Blueprint primary care attributed	2,664	90,236
	No primary care attribution	2,235	47,753
	Combined Population	17,484	381,575
Average Members	Blueprint primary care practice attributed	11,690	228,021
	Non-Blueprint primary care attributed	2,403	83,281
	No primary care attribution	1,816	38,692
	Combined Population	15,908	349,993
Average Age	Blueprint primary care practice attributed	52.1	52.4
	Non-Blueprint primary care attributed	49.7	51.7
	No primary care attribution	43.0	43.3
	Combined Population	50.6	51.1
% Female	Blueprint primary care practice attributed	55.0	55.6
	Non-Blueprint primary care attributed	56.4	56.0
	No primary care attribution	37.0	38.0
	Combined Population	52.9	53.5
% Medicaid	Blueprint primary care practice attributed	23.8	22.3
	Non-Blueprint primary care attributed	25.3	20.5
	No primary care attribution	29.5	26.9
	Combined Population	24.8	22.5
% Medicare	Blueprint primary care practice attributed	33.7	35.2
	Non-Blueprint primary care attributed	31.5	35.1
	No primary care attribution	15.0	17.3
	Combined Population	31.0	32.9
% Maternity	Blueprint primary care practice attributed	6.1	7.0
	Non-Blueprint primary care attributed	6.2	7.2
	No primary care attribution	5.1	4.9
	Combined Population	6.0	6.8

**Table 2. Demographic & Health Status Indicators by Primary Care Attribution Group, Continued**

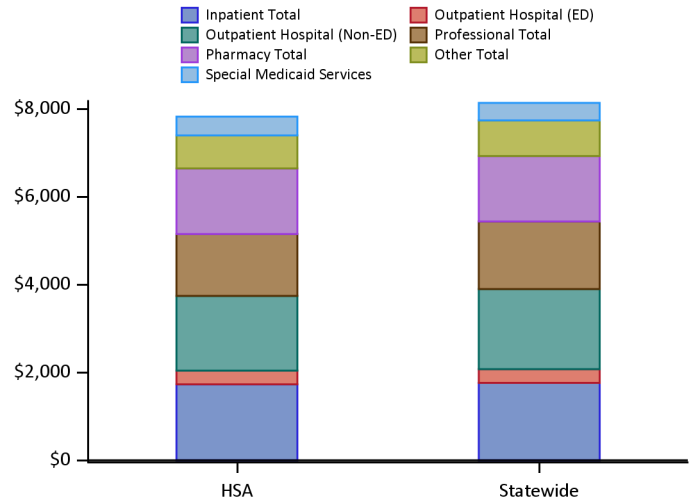
		Community H.S.A.	Statewide
% with Selected Chronic Conditions	Blueprint primary care practice attributed	42.1	45.2
	Non-Blueprint primary care attributed	32.6	37.7
	No primary care attribution	3.3	4.8
	Combined Population	35.7	38.4
% Healthy	Blueprint primary care practice attributed	27.5	24.1
	Non-Blueprint primary care attributed	36.0	31.0
	No primary care attribution	82.3	80.0
	Combined Population	35.8	32.7
% Acute or Minor Chronic	Blueprint primary care practice attributed	15.0	14.8
	Non-Blueprint primary care attributed	14.8	14.4
	No primary care attribution	6.2	7.3
	Combined Population	13.9	13.7
% Moderate Chronic	Blueprint primary care practice attributed	26.4	27.2
	Non-Blueprint primary care attributed	22.7	24.0
	No primary care attribution	8.8	9.2
	Combined Population	23.6	24.2
% Significant Chronic	Blueprint primary care practice attributed	29.1	31.6
	Non-Blueprint primary care attributed	23.2	27.6
	No primary care attribution	2.6	3.2
	Combined Population	24.8	27.1
% Cancer or Catastrophic	Blueprint primary care practice attributed	1.9	2.4
	Non-Blueprint primary care attributed	3.3	3.0
	No primary care attribution	0.1	0.4
	Combined Population	1.9	2.3

**Total Expenditures per Capita**



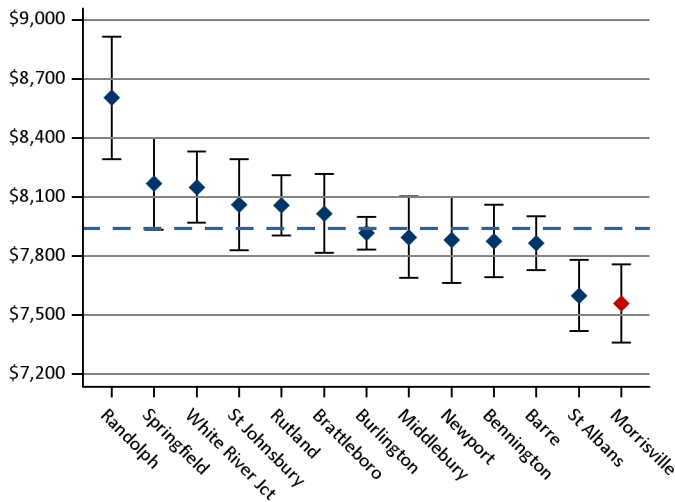
**Figure 1:** Presents annual risk-adjusted rates, including 95% confidence intervals, with expenditures capped statewide for outlier patients. Expenditures include both plan payments and member out-of-pocket payments (i.e., copay, coinsurance, and deductible). The blue dashed line indicates the statewide average.

**Total Expenditures per Capita by Major Category**



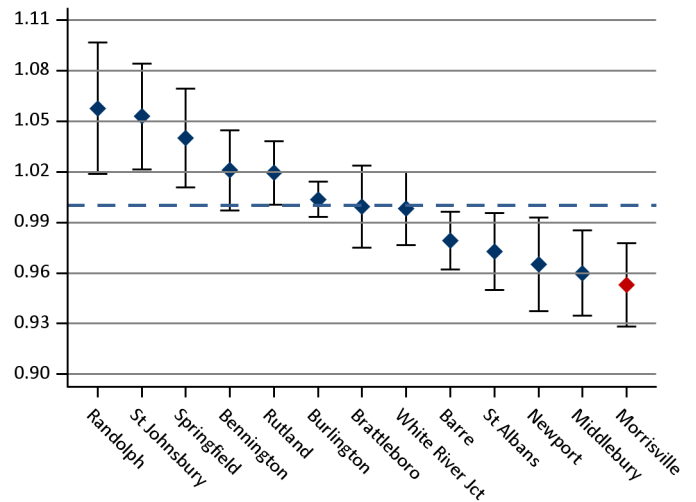
**Figure 2:** Presents annual risk-adjusted rates for the major components of cost (as shown in Figure 1) with expenditures capped statewide for outlier patients. Some services provided by Medicaid (e.g., case management, transportation) are reported separately as Special Medicaid Services (SMS).

**Total Expenditures per Capita (Excluding SMS)**



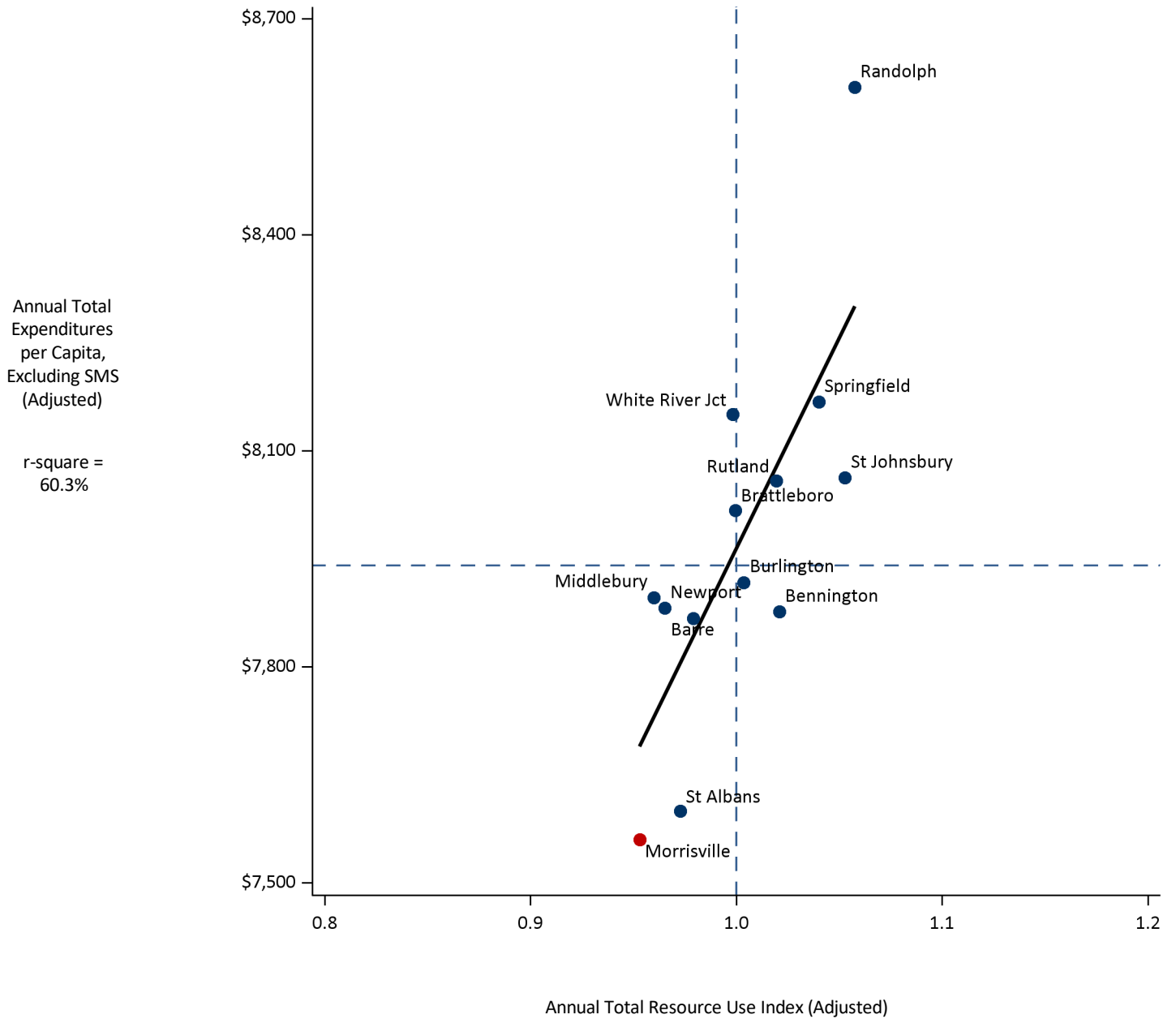
**Figure 3:** Presents annual risk-adjusted rates, including 95% confidence intervals, with expenditures capped statewide for outlier patients. Expenditures include both plan payments and member out-of-pocket payments (i.e., copay, coinsurance, and deductible) and exclude Special Medicaid Services. The blue dashed line indicates the statewide average.

**Total Resource Use Index (RUI) (Excluding SMS)**



**Figure 4:** Presents annual risk-adjusted rates, including 95% confidence intervals. Since price per service varies widely, a measure of expenditures based on resource use — Total Resource Use Index (RUI) — is included. RUI reflects an aggregated capped cost based on utilization and intensity of services across major components of care and excludes Special Medicaid Services. The HSAs are indexed to the statewide average (1.00), which is indicated by the blue dashed line.

**Annual Total Expenditures per Capita vs. Resource Use Index (RUI)**

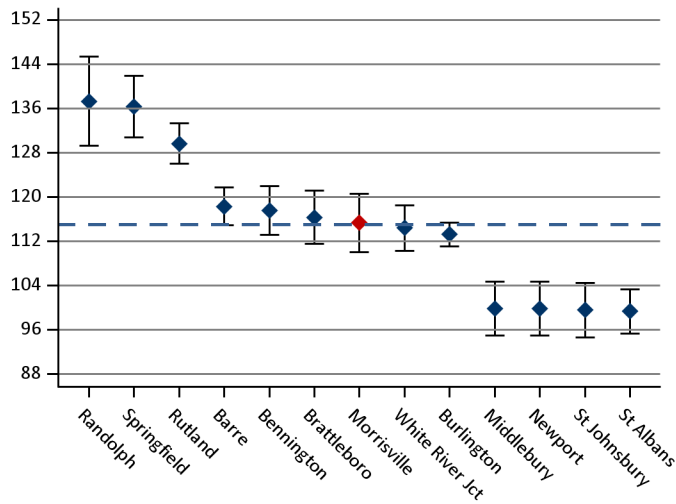


**Figure 5:** This graphic demonstrates the relationship between risk-adjusted expenditures, excluding SMS, and risk-adjusted utilization for each of the HSAs in Vermont. This graphic illustrates the specified HSA's risk-adjusted rate (i.e., the red dot) compared to those of all other HSAs statewide (i.e., the blue dots). The dashed lines show the average expenditures per capita and average Resource Use Index statewide (i.e., 1.0). HSAs with higher expenditures and utilization are in the upper right-hand quadrant, while HSAs with lower expenditures and utilization are in the lower left-hand quadrant. An RUI value greater than 1.0 indicates higher than average utilization; conversely, a value lower than 1.0 indicates lower than average utilization. A trend line has been included in the graphic, which demonstrates that, in general, HSAs with higher risk-adjusted utilization had higher risk-adjusted expenditures.

**Legend**

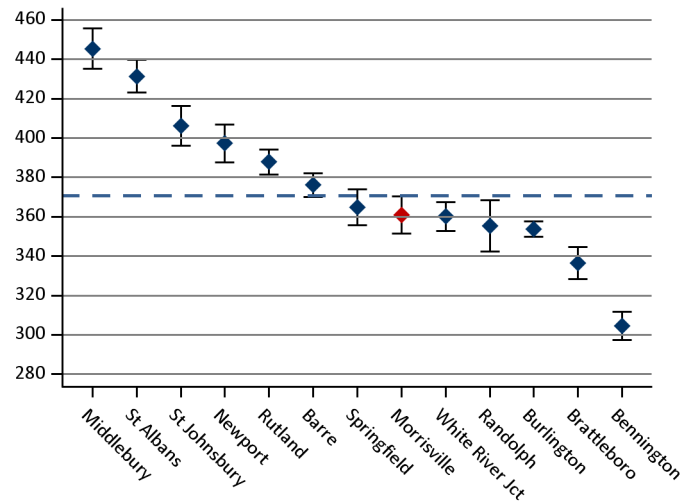
- Morrisville
- All other Blueprint HSAs statewide

**Inpatient Discharges**



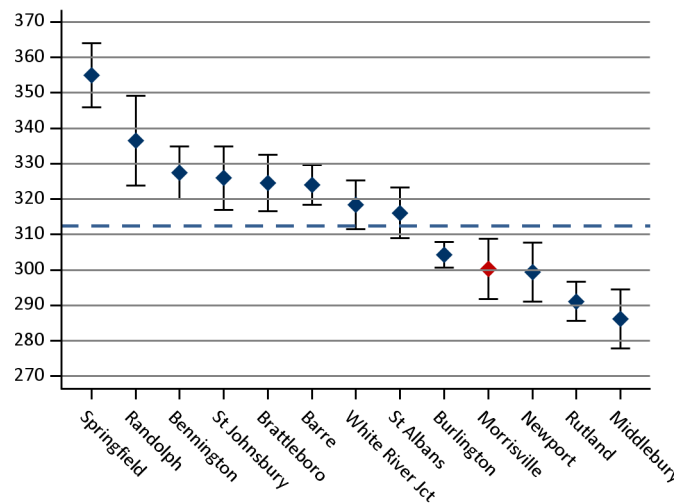
**Figure 6:** Presents annual risk-adjusted rates, including 95% confidence intervals, of inpatient discharges per 1,000 members. Additional detail measures for inpatient utilization — Inpatient Days, and Preventive Quality Indicators — can be found in Table 6. The blue dashed line indicates the statewide average.

**Outpatient ED Visits**



**Figure 7:** Presents annual risk-adjusted rates, including 95% confidence intervals, of outpatient emergency department (ED) visits per 1,000 members. An additional detail measure — Outpatient Potentially Avoidable ED Visits — can be found in Table 5. The blue dashed line indicates the statewide average.

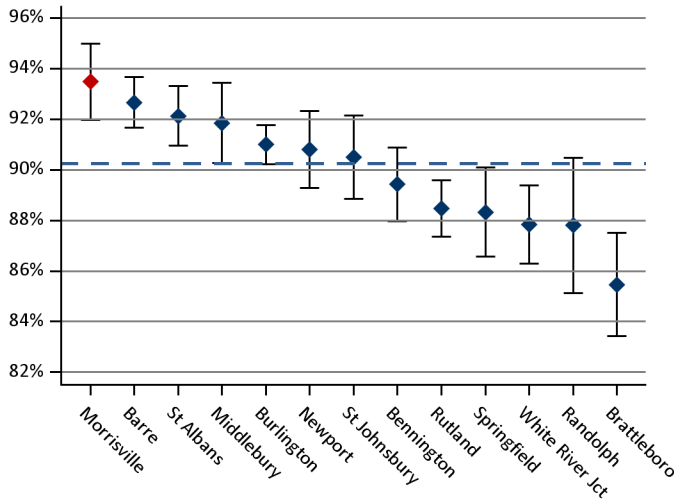
**Advanced Imaging (MRIs, CT Scans)**



**Figure 8:** Presents annual risk-adjusted rates, including 95% confidence intervals, of advanced imaging diagnostic tests (i.e., magnetic resonance imagings (MRIs) and computed tomography (CT) scans) per 1,000 members. The blue dashed line indicates the statewide average.

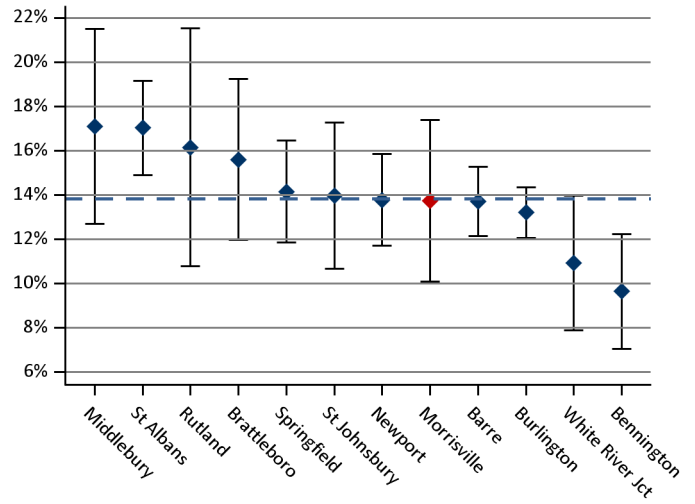


**Diabetes: HbA1c Testing**



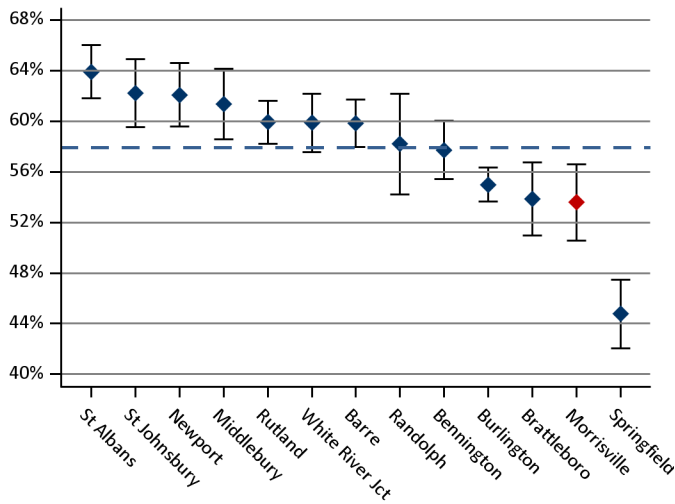
**Figure 9:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, that received a hemoglobin A1c test during the measurement year. The blue dashed line indicates the statewide average.

**Diabetes: HbA1c Not in Control (Core-17, MSSP-27, NQF #0059)**



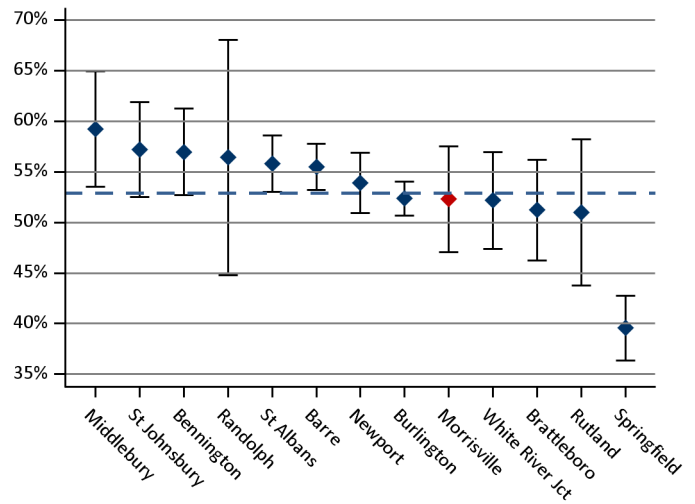
**Figure 10:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, whose last recorded hemoglobin A1c test in the Blueprint clinical data registry was in poor control (>9%). Members with diabetes were identified using claims data. The denominator was then restricted to those with clinical results for at least one hemoglobin A1c test during the measurement year. The blue dashed line indicates the statewide average.

**Diabetes: Eye Exam (NQF #0055)**



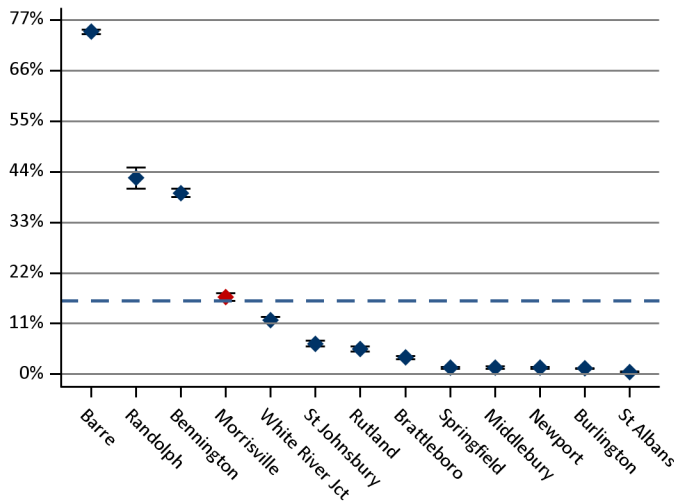
**Figure 11:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, that received an eye screening for diabetic retinal disease during the measurement year. The blue dashed line indicates the statewide average.

**Diabetes Care Two-Part Composite (Core-53, NQF #0059 & #0055)**



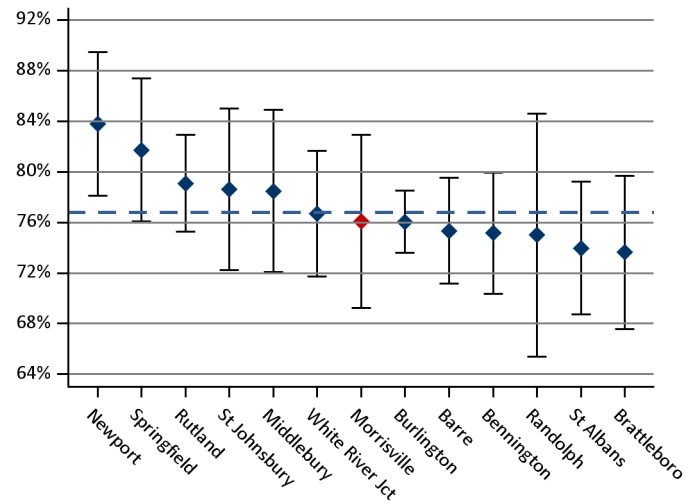
**Figure 12:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, that had a valid HbA1c ≤9% and received an eye screening for diabetic retinal disease during the measurement year. The blue dashed line indicates the statewide average.

**Tobacco Use Screening\* (NQF #0028)**



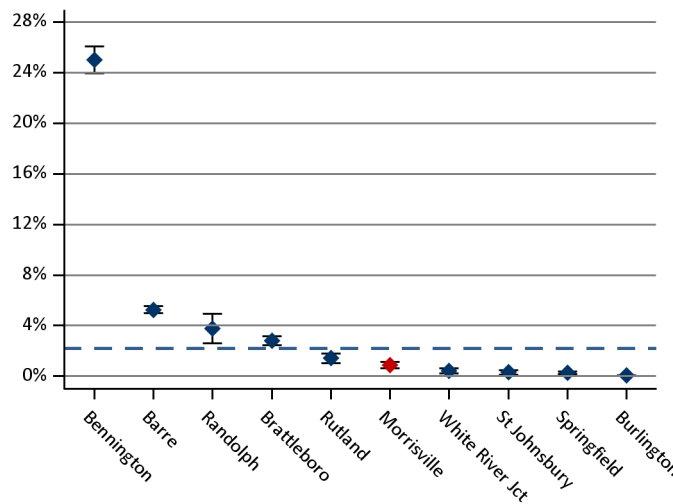
**Figure 13:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18 years and older, that were screened for tobacco use one or more times within a two-year lookback period and that received cessation counseling intervention. This figure includes only practices providing clinical data to the Vermont Clinical Registry. The blue dashed line indicates the statewide average.

**Medication Management for People With Asthma\* (NQF #1799)**



**Figure 14:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18–64 years, that were identified as having persistent asthma and were dispensed appropriate asthma controller medications that they remained on for at least 50 percent of their treatment period. The blue dashed line indicates the statewide average.

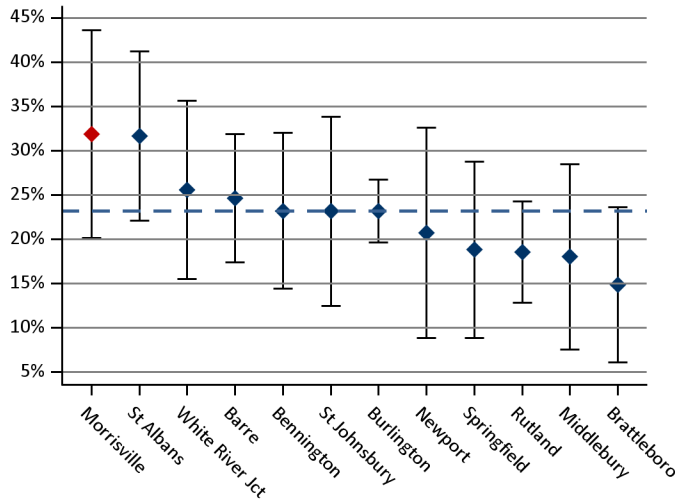
**Screening for Clinical Depression\* (NQF #0418)**



**Figure 15:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18 years and older, that were screened for clinical depression on the date of encounter using an age-appropriate standardized depression screening tool. This figure includes only practices providing clinical data to the Vermont Clinical Registry. The blue dashed line indicates the statewide average.

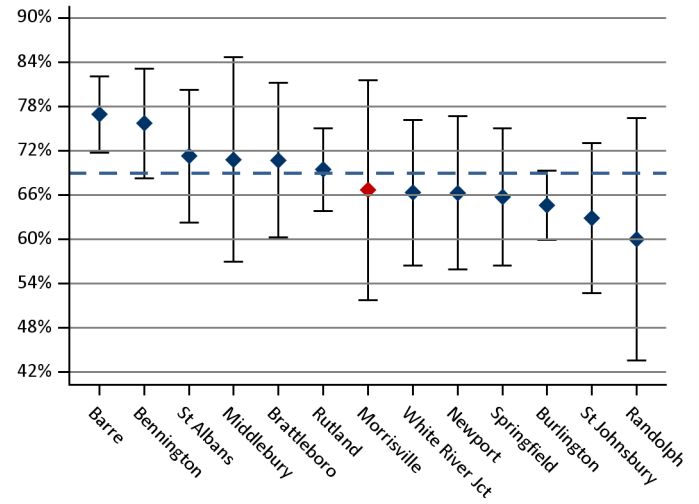
\*This measure is part of the quality framework for evaluating health outcomes in a value-based system (Vermont’s All-Payer ACO Model)

**Follow-Up After Discharge from ED for Alcohol and Other Drug Dependence\* (NQF #2605)**



**Figure 16:** Presents the proportion, including 95% confidence intervals, of ED visits for members 18 years of age and older with a principal diagnosis of alcohol or other drug (AOD) dependence, who had a follow up visit for AOD within 30 days of the ED visit. The blue dashed line indicates the statewide average.

**Follow-Up After Discharge From ED for Mental Health\* (NQF #2605)**



**Figure 17:** Presents the proportion, including 95% confidence intervals, of ED visits for members 18 years of age and older with a principal diagnosis of mental illness, who had a follow up visit for mental health within 30 days of the ED visit. The blue dashed line indicates the statewide average.

\*This measure is part of the quality framework for evaluating health outcomes in a value-based system (Vermont's All-Payer ACO Model)

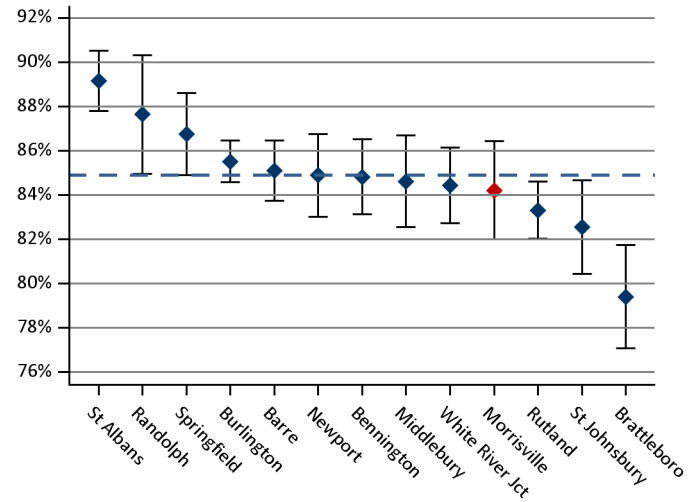
**Comparison of Patients by HbA1c Control Status, Statewide**

Metric	Diabetes A1c in Control	Diabetes A1c not in Control
Members	9591	1531
Annual expenditures per capita	\$17804 (\$17369, \$18240)	\$19929 (\$18831, \$21026)
Inpatient hospitalizations per 1,000 members	233.7 (224.0, 243.4)	287.8 (260.8, 314.8)
Inpatient days per 1,000 members	1161.6 (1139.9, 1183.3)	1381.3 (1322.1, 1440.4)
Outpatient ED visits per 1,000 members	650.0 (633.8, 666.3)	916.3 (868.1, 964.5)

Note: Risk-adjusted rates with 95% confidence intervals are provided in parentheses. Outliers beyond the 99th percentile have been excluded.

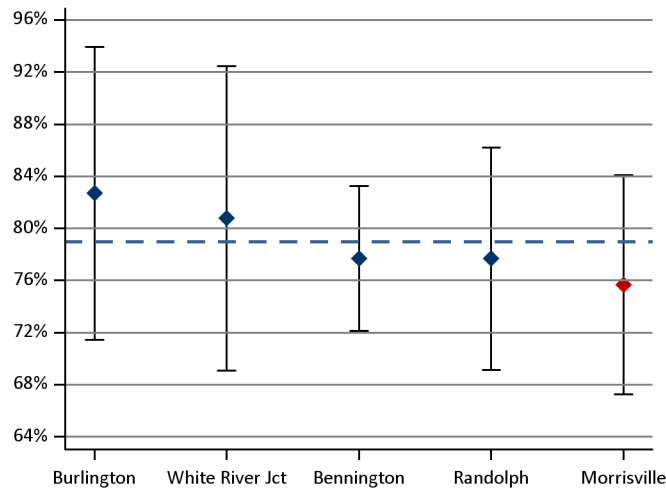
**Table 3:** Presents a comparison of health care expenditures and utilization in the measurement year for continuously enrolled members, ages 18–75 years, whose diabetes hemoglobin A1c was in control ( $\leq 9\%$ ) compared to those with poor control ( $>9\%$ ). Rates have been adjusted for age, gender, and health status. The rates in this table are presented at the state level only. Members with poor control had statistically significant higher total expenditures, inpatient hospitalizations, inpatient days, and outpatient ED visits.

**Diabetes: Nephropathy (Kidney Disease) Screening (NQF #0062)**



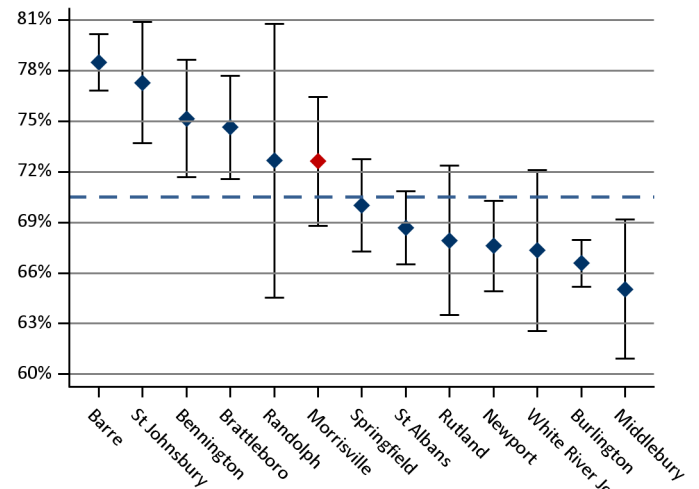
**Figure 18:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, that had a nephropathy (kidney disease) screening test or evidence of nephropathy documented in the claims data. The blue dashed line indicates the statewide average.

**Diabetes: Tobacco Non-Use (MSSP-25)**



**Figure 19:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, documented as tobacco non-users in the Blueprint clinical data registry. Members with diabetes were identified using claims data. The denominator was then restricted to those with clinical results for tobacco non-use during the measurement year. The blue dashed line indicates the statewide average.

**Diabetes: Blood Pressure in Control (MSSP-24)**



**Figure 20:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with diabetes, ages 18–75 years, whose last recorded blood pressure measurement in the Blueprint clinical data registry was in control ( $<140/90$  mmHg). Members with diabetes were identified using claims data. The denominator was then restricted to those with clinical results for at least one blood pressure test during the measurement year. The blue dashed line indicates the statewide average.

**Linked Clinical Data: Obesity, Hypertension, & HbA1c**

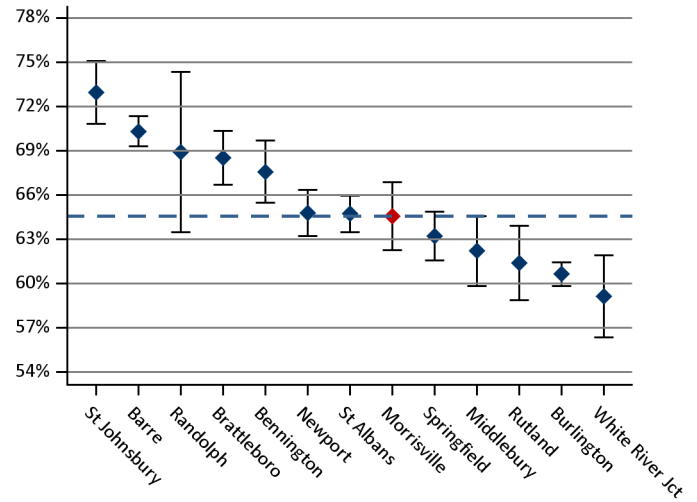
Measure (N = Count of distinct members)	HSA N=17,484	Statewide N=381,575
	Rate %	Rate %
% linked to clinical data	36%	49%
% with BMI data	18%	32%
% meeting obesity criteria	32%	38%
% with blood pressure data	32%	45%
% meeting hypertension criteria	22%	22%
% with BMI and blood pressure data	17%	31%
% meeting obesity and hypertension criteria	8%	10%

Measure (N = Count of distinct members with diabetes)	HSA N=1,090	Statewide N=25,137
	Rate %	Rate %
% linked to clinical data	55%	64%
% with BMI data	31%	46%
% meeting obesity criteria	56%	67%
% with blood pressure data	50%	60%
% meeting hypertension criteria	27%	30%
% with valid HbA1c	34%	45%
% with HbA1c >9%	5%	7%

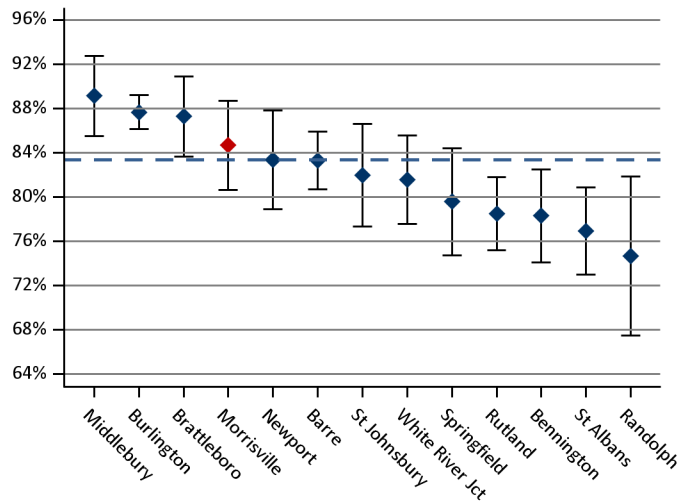
**Table 4:** Presents the proportion of total distinct members and distinct members with diabetes with claims linked to clinical data, valid body mass index (BMI), blood pressure, and HbA1c data meeting the criteria for obesity (BMI ≥ 30.0), hypertension (mmHg ≥ 140/90), and HbA1c >9%. Note: denominators and rates will differ from diabetes-related HEDIS measures in Table 11 since this table includes all members regardless of whether or not they had valid clinical data.

**Hypertension: Blood Pressure in Control (Core-39, MSSP-28, NQF #0018)**



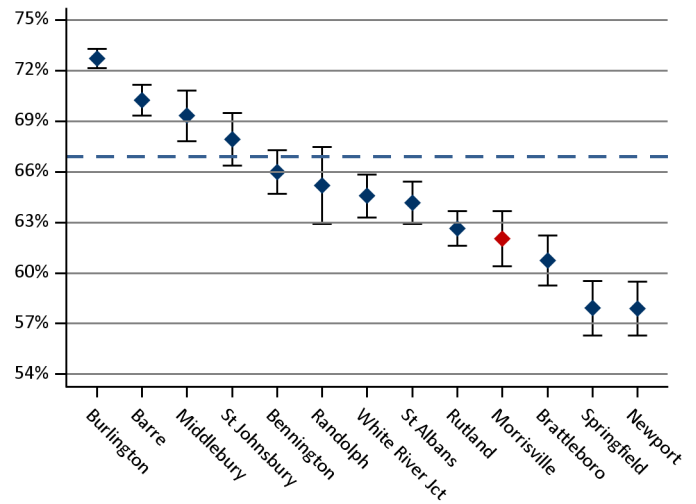
**Figure 21:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members with hypertension, ages 18–85 years, whose last recorded blood pressure measurement in the Blueprint clinical data registry was in control (<140/90 mmHg). Members with hypertension were identified using claims data. The denominator was then restricted to those with clinical results for a blood pressure reading during the measurement year. The blue dashed line indicates the statewide average.

**Imaging Studies for Low Back Pain**



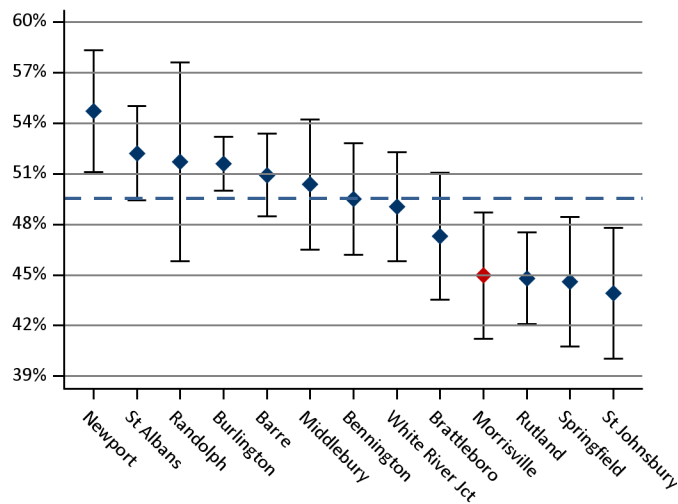
**Figure 22:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18–50 years, that received a primary diagnosis of low back pain and appropriately did not have an imaging study (e.g., plain X-Ray, CT scan, MRI) within 28 days of the diagnosis. This is an inverted measure for which a higher score indicates appropriate treatment (i.e., imaging did not occur). The blue dashed line indicates the statewide average.

**Cervical Cancer Screening (Core-30, NQF #0032)**



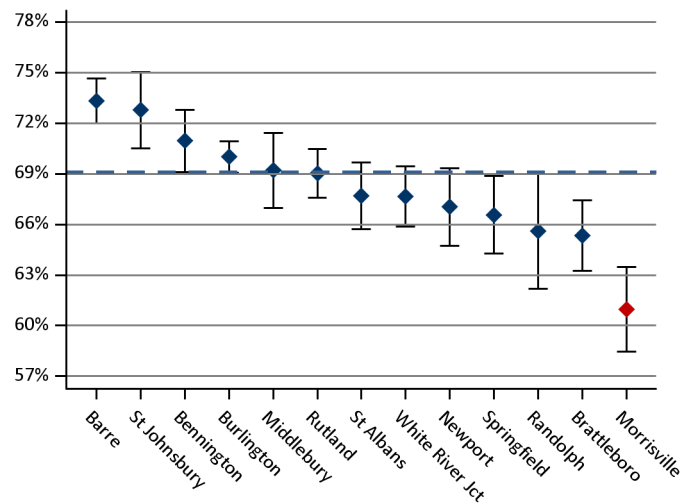
**Figure 23:** Presents the proportion, including 95% confidence intervals, of continuously enrolled female members, either age 21–64 that received one or more Papanicolaou (Pap) tests to screen for cervical cancer during the measurement year or the two years prior to the measurement year or age 30–64 years who received one or more Pap tests to screen for cervical cancer during the measurement year or four years prior to the measurement year. The blue dashed line indicates the statewide average.

**Chlamydia Screening (Core-7)**



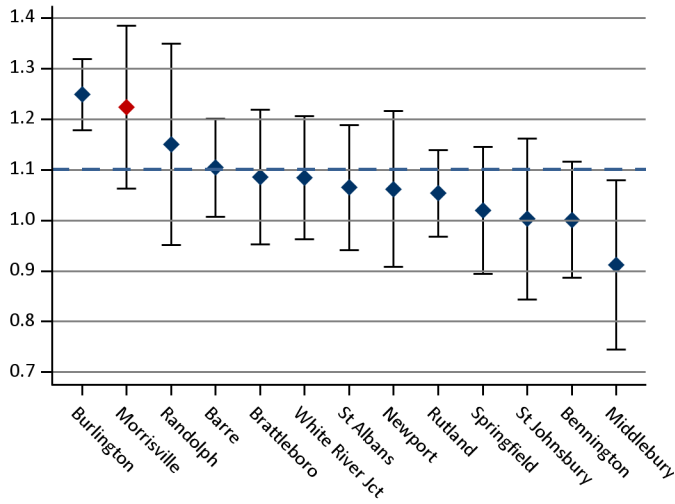
**Figure 24:** Presents the proportion, including 95% confidence intervals, of continuously enrolled women, ages 16–24 years, identified as sexually active during the measurement year that received at least one test for chlamydia during the measurement year or the year prior to the measurement year. (Note that, due to the age ranges for this ACO measure, women below the age of 18 years, not typically represented in adult profiles, have been included in these rates.) The blue dashed line indicates the statewide average.

**Breast Cancer Screening (Core-11, MSSP-20, NQF #0031)**



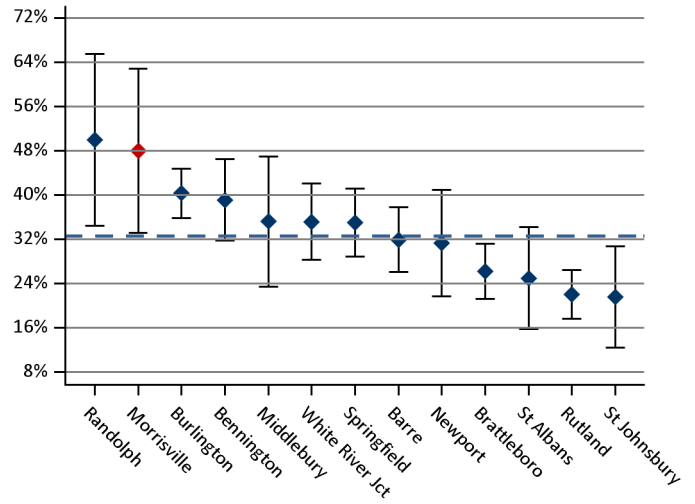
**Figure 25:** Presents the proportion, including 95% confidence intervals, of continuously enrolled women, ages 52–64 years, that had a mammogram to screen for breast cancer during the measurement year or the year prior to the measurement year. The blue dashed line indicates the statewide average.

**Plan All-Cause Readmissions (Core-1, NQF #1768)**



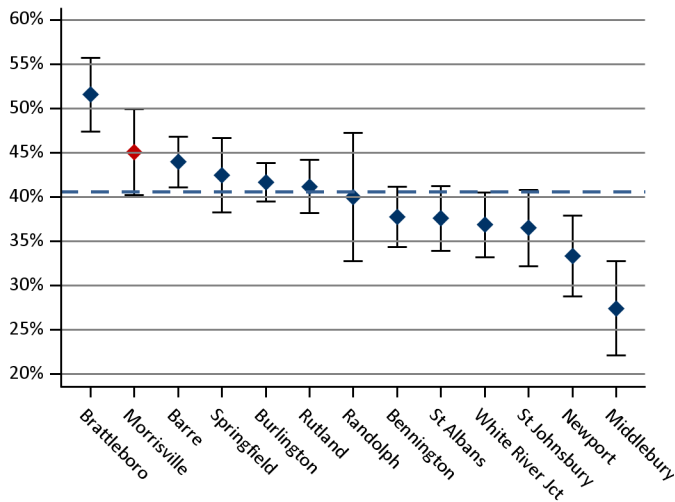
**Figure 26:** Presents the relative rate, including 95% confidence intervals, of continuously enrolled members, ages 18 years and older, that had an inpatient stay that was followed by an acute readmission for any diagnosis within 30 days during the measurement year. The rate is expressed as a ratio of observed to expected readmissions where the expected number of readmissions has been risk adjusted. The blue dashed line indicates the statewide average. HEDIS specifications have changed.

**Follow-Up After Hospitalization for Mental Illness (Core-4, NQF #0576)**



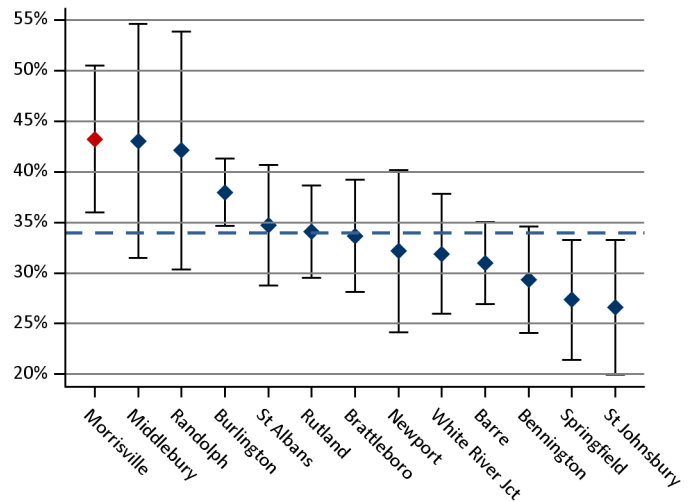
**Figure 27:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 6 years and older, hospitalized for mental illness with an intensive outpatient encounter or partial hospitalization with a mental health practitioner and a follow-up visit within seven days of discharge. The blue dashed line indicates the statewide average.

**Initiation of Alcohol/Drug Treatment (Core-5a, NQF #0004)**



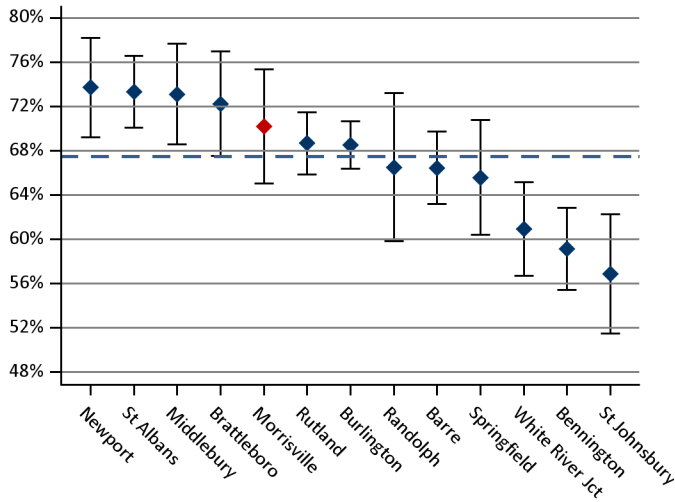
**Figure 28:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18 years and older, that had their initial treatment through an inpatient alcohol or other drug (AOD) admission, outpatient visit, intensive outpatient encounter, or partial hospitalization within 14 days of the diagnosis. The blue dashed line indicates the statewide average.

**Engagement of Alcohol/Drug Treatment (Core-5b, NQF #0004)**



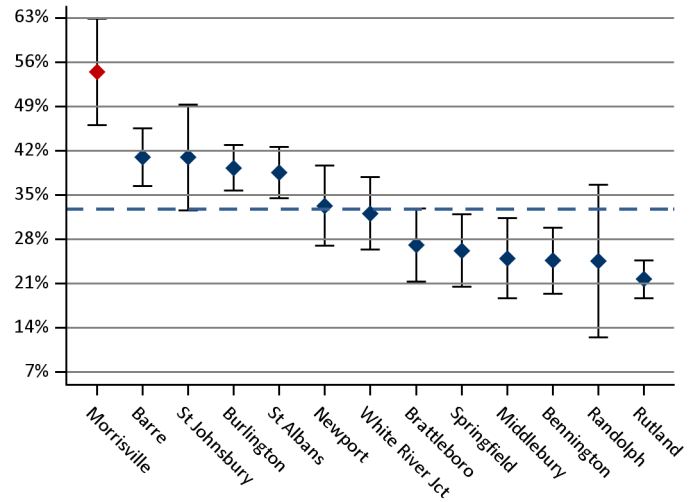
**Figure 29:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18 years and older, that had their initial treatment and then had two or more additional services with a diagnosis of AOD within 30 days of the initiation visit. The blue dashed line indicates the statewide average.

**Cholesterol Management, Cardiac (Core-3, MSSP-29)**



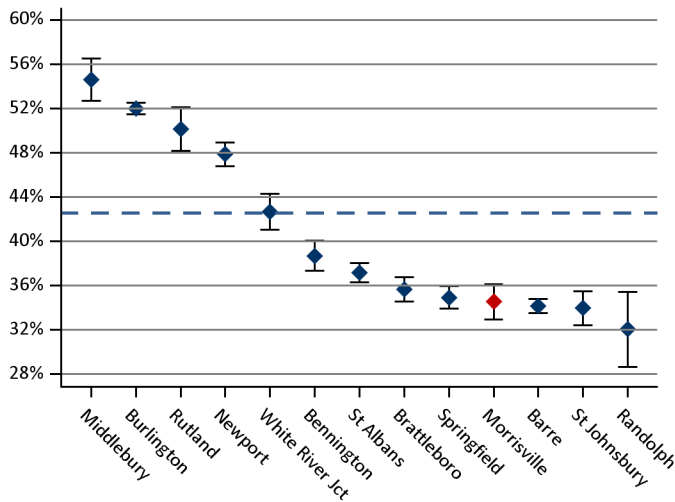
**Figure 30:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18–75 years, discharged alive after treatment for acute myocardial infarction (AMI), coronary artery bypass grafting (CABG), or percutaneous coronary intervention (PCI) in the year prior to the measurement year or with a diagnosis of ischemic vascular disease (IVD) during the measurement year and year prior and with an LDL-C screening during the measurement year. The blue dashed line indicates the statewide average.

**Avoidance of Antibiotic Treatment, Acute Bronchitis (Core-6, NQF #0058)**



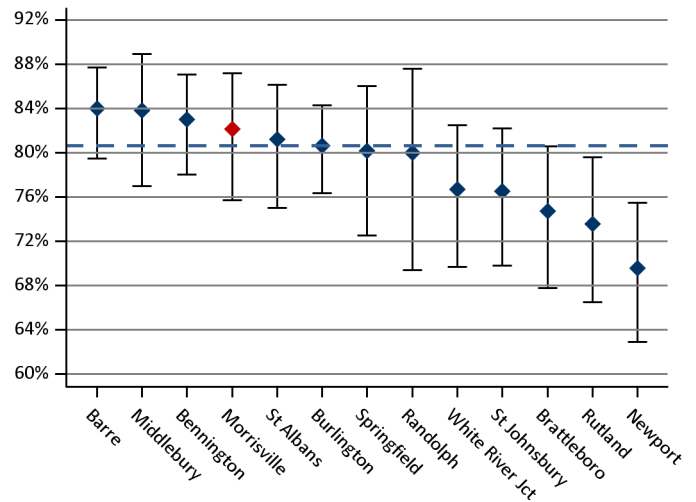
**Figure 31:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages 18–64 years, that received a diagnosis of acute bronchitis but was not dispensed an antibiotic prescription. The blue dashed line indicates the statewide average.

**Influenza Vaccination (Core-35, MSSP-14, NQF #0041)**



**Figure 32:** Presents the proportion, including 95% confidence intervals, of continuously enrolled members, ages six months and older, that received an influenza immunization from October 1 of the prior year through March 31 of the measurement year. Immunizations were identified in the medical claims or, if available, in the Blueprint clinical data registry. The blue dashed line indicates the statewide average.

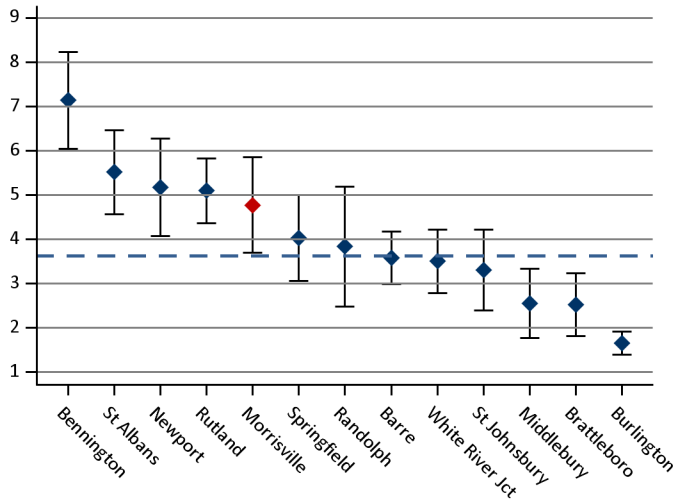
**Pneumonia Vaccination (Core-48, MSSP-15, NQF #0043)**



**Figure 33:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 65 years and older, that reported ever receiving a pneumonia vaccination. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

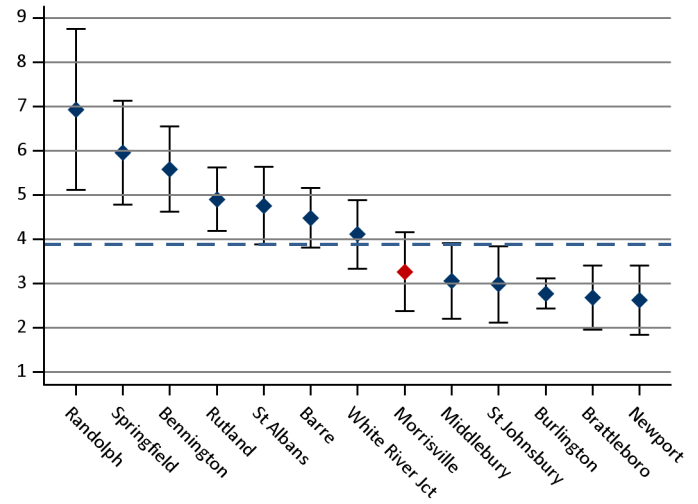


**ACS Admissions: COPD & Asthma (Core-10, MSSP-9)**



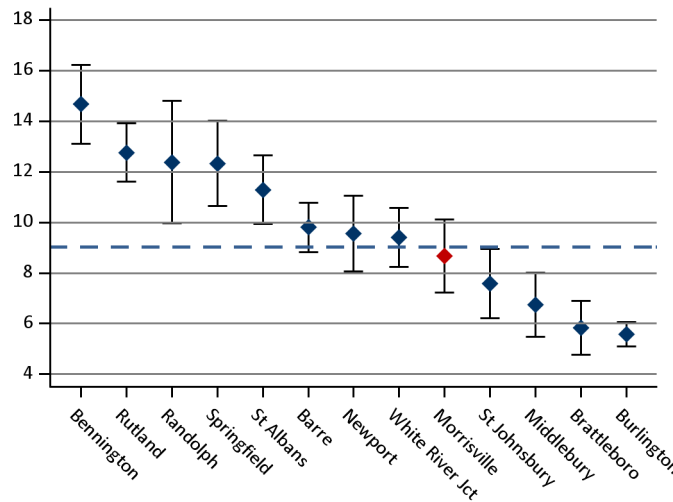
**Figure 34:** This Prevention Quality Indicator (PQI) presents the rate, including 95% confidence intervals, of ambulatory care sensitive (ACS) admissions with a principal diagnosis of chronic obstructive pulmonary disorder (COPD) or asthma per 1,000 members, ages 40 years and older. The blue dashed line indicates the statewide average.

**ACS Admissions: Heart Failure (MSSP-10, NQF #0277)**



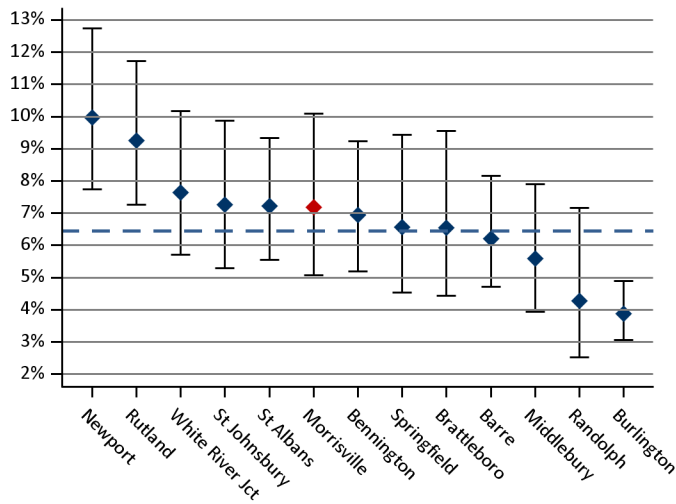
**Figure 35:** This Prevention Quality Indicator (PQI) presents the rate, including 95% confidence intervals, of admissions with a principal diagnosis of congestive heart failure per 1,000 members, ages 18 years and older. The blue dashed line indicates the statewide average.

**ACS Hospitalizations: PQI 92 Composite Chronic (Core-12)**



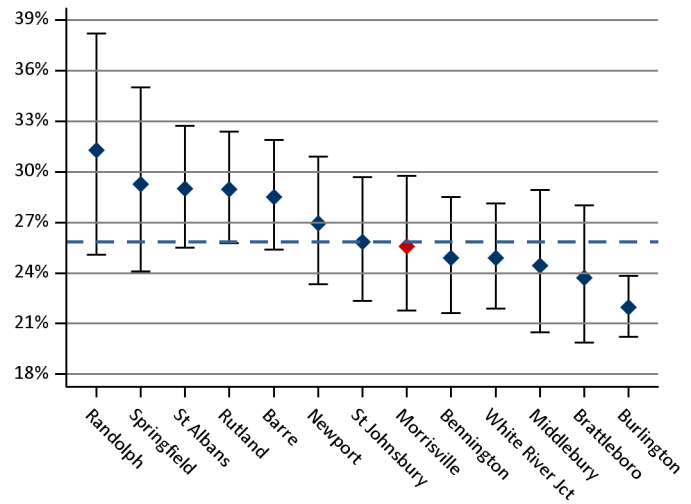
**Figure 36:** This Prevention Quality Indicator (PQI) presents a composite rate, including 95% confidence intervals, of hospitalizations for chronic conditions per 1,000 members, ages 18 years and older. This measure includes admissions for at least one of the following conditions: COPD, asthma, hypertension, heart failure, angina without a cardiac procedure, diabetes with lower-extremity amputations, diabetes with short-term complications, diabetes with long-term complications, or uncontrolled diabetes without complications. The blue dashed line indicates the statewide average.

**BRFSS: Adults Diagnosed with COPD**



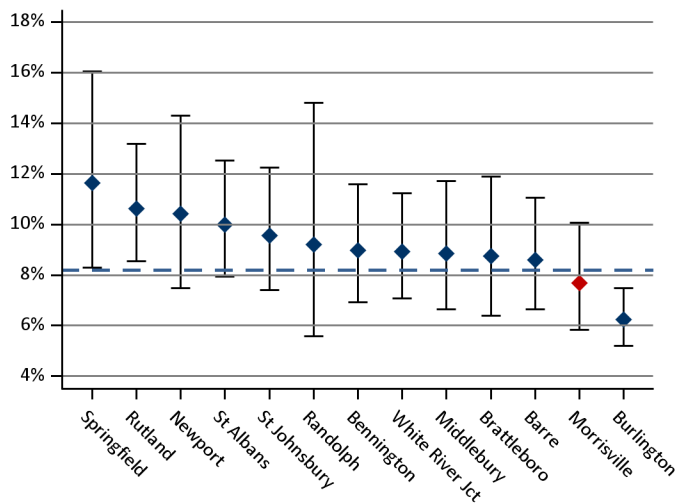
**Figure 37:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that reported a diagnosis of COPD. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

**BRFSS: Adults Diagnosed with Hypertension**



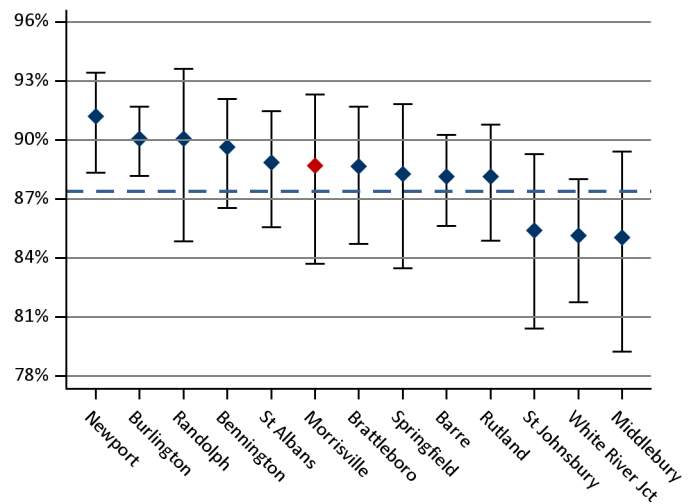
**Figure 38:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that reported a diagnosis of hypertension. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

**BRFSS: Adults with Diabetes**



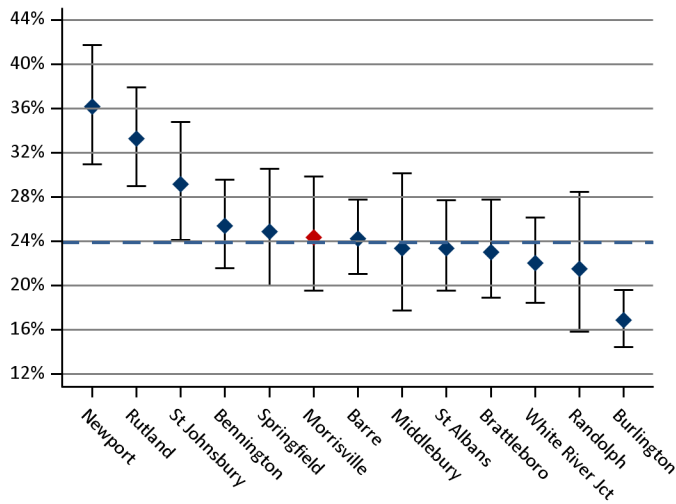
**Figure 39:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that reported a diagnosis of diabetes. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

**BRFSS: Adults with Personal Doctor**



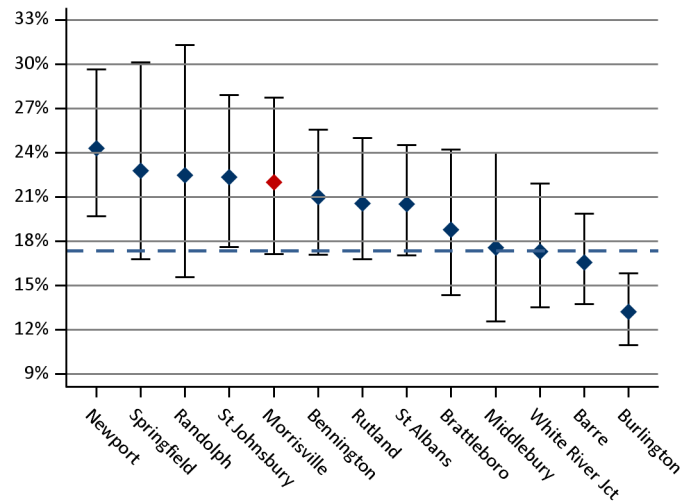
**Figure 40:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that said they have a personal doctor or health care provider. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

**BRFSS: Households with Income <\$25,000**



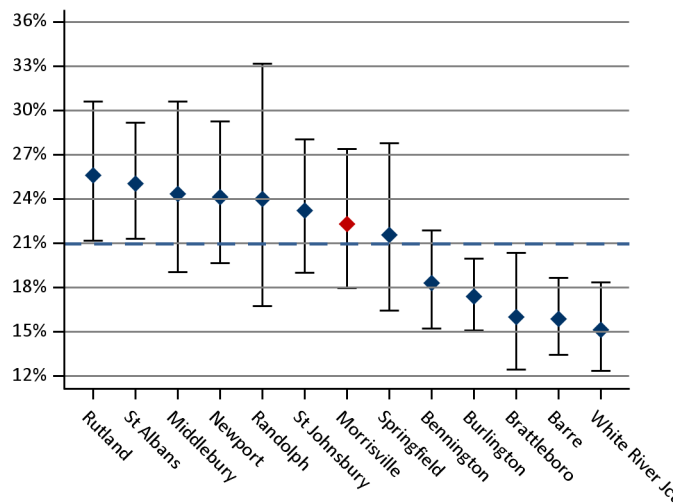
**Figure 41:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that reported a household income of less than \$25,000 per year. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

**BRFSS: Cigarette Smoking**



**Figure 42:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that reported being cigarette smokers. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

**BRFSS: No Leisure-Time Physical Activity/Exercise**



**Figure 43:** Presents the proportion, including 95% confidence intervals, of Vermont residents, ages 18 years and older, that said they did not participate in any physical activity or exercise during the previous month. This data was collected through the Behavioral Risk Factor Surveillance System (BRFSS) Between January 2016 and December 2017. The blue dashed line indicates the statewide average.

The following tables provide greater detail on the annual rates presented in the preceding figures.

**Table 5. Expenditure Measures (Adjusted)**

Measure	HSA			Statewide		
	Rate per Capita	95% LCL	95% UCL	Rate per Capita	95% LCL	95% UCL
Total	\$8,012	\$7,803	\$8,220	\$8,362	\$8,315	\$8,410
Inpatient Total	\$1,730	\$1,604	\$1,855	\$1,763	\$1,733	\$1,792
Inpatient Mental Health	\$69	\$45	\$92	\$117	\$110	\$124
Inpatient Maternity	\$85	\$76	\$94	\$86	\$83	\$88
Inpatient Surgical	\$668	\$590	\$746	\$783	\$760	\$806
Inpatient Medical	\$908	\$821	\$994	\$790	\$774	\$807
Outpatient Total	\$2,015	\$1,949	\$2,081	\$2,137	\$2,122	\$2,151
Outpatient Hospital Mental Health	\$22	\$18	\$27	\$33	\$32	\$34
Outpatient Hospital ED	\$312	\$298	\$326	\$312	\$309	\$316
Outpatient Hospital Surgery	\$549	\$516	\$582	\$513	\$506	\$520
Outpatient Hospital Radiology	\$504	\$457	\$550	\$532	\$521	\$542
Outpatient Hospital Laboratory	\$239	\$230	\$248	\$285	\$283	\$287
Outpatient Hospital Pharmacy	\$41	\$33	\$49	\$59	\$56	\$62
Outpatient Hospital Other	\$350	\$335	\$364	\$421	\$418	\$425
Professional Non-Mental Health Total	\$1,206	\$1,182	\$1,231	\$1,337	\$1,332	\$1,343
Professional Physician Total	\$778	\$759	\$797	\$864	\$859	\$868
Professional Physician Inpatient	\$156	\$144	\$169	\$168	\$165	\$171
Professional Physician Outpatient Facility	\$236	\$227	\$245	\$279	\$277	\$281
Professional Physician Office Visit	\$331	\$323	\$339	\$336	\$334	\$338
Professional Non-Physician	\$415	\$405	\$424	\$460	\$458	\$463
Professional Mental Health Provider	\$198	\$188	\$208	\$197	\$194	\$199
Pharmacy Total	\$1,494	\$1,429	\$1,559	\$1,490	\$1,475	\$1,504
Pharmacy Psych Medication	\$123	\$112	\$133	\$137	\$134	\$139
Other Total	\$751	\$705	\$797	\$812	\$800	\$825
Special Medicaid Services	\$428	\$371	\$486	\$398	\$388	\$409
Mental Health Substance Combined*	\$388	\$365	\$410	\$444	\$439	\$450

\* The *Mental Health Substance Combined* measure is the sum of all expenditures associated with medical and pharmacy services for mental health / substance abuse.

**Table 6. Total Resource Use Index (RUI) (Adjusted)**

Measure	HSA			Statewide		
	Index Ratio	95% LCL	95% UCL	Index Ratio	95% LCL	95% UCL
Total	0.95	0.93	0.98	1.00	0.99	1.01
Inpatient	0.91	0.85	0.98	1.00	0.98	1.02
Outpatient Facility	0.98	0.94	1.02	1.00	0.99	1.01
Professional	0.93	0.91	0.94	1.00	1.00	1.00
Pharmacy	0.98	0.95	1.02	1.00	0.99	1.01

**Table 7. Utilization Measures (Adjusted)**

Measure	HSA			Statewide		
	Rate per 1,000	95% LCL	95% UCL	Rate per 1,000	95% LCL	95% UCL
Inpatient Discharges	115.4	110.1	120.6	115.0	113.9	116.2
Inpatient Days	507.7	496.6	518.8	574.9	572.4	577.4
Outpatient ED Visits	360.9	351.6	370.3	370.8	368.8	372.8
Outpatient Potentially Avoidable ED Visits	67.5	63.5	71.6	58.2	57.4	59.0
Non-Hospital Outpatient Visits	5,561.4	5,524.7	5,598.0	5,678.8	5,670.9	5,686.7
Primary Care Encounters	2,644.2	2,619.0	2,669.5	2,892.9	2,887.2	2,898.5
Medical Specialist Encounters	973.8	958.5	989.2	1,205.5	1,201.9	1,209.2
Surgical Specialist Encounters	822.4	808.3	836.5	989.0	985.7	992.3
Standard Imaging	841.6	827.3	855.8	884.6	881.5	887.7
Advanced Imaging	300.2	291.7	308.7	312.5	310.6	314.3
Echography	339.0	329.9	348.0	366.5	364.5	368.5
Colonoscopy	50.1	46.7	53.6	51.0	50.2	51.7

**Table 8. Effective & Preventive Care Measures**

Measure	HSA				Statewide			
	N	Rate %	95% LCL	95% UCL	N	Rate %	95% LCL	95% UCL
Comprehensive Diabetes Care (CDC)								
HbA1c Testing	1,090	93%	92%	95%	25,137	90%	90%	91%
Eye Exam	1,090	54%	51%	57%	25,137	58%	57%	59%
Nephropathy	1,090	84%	82%	86%	25,137	85%	84%	85%
Imaging Studies for Low Back Pain	333	85%	81%	89%	6,547	83%	82%	84%

**Table 9. Key Expenditure Measures by Primary Care Attribution Group**

Measure		Community H.S.A.			Statewide		
		Risk-Adjusted Rate	95% LCL	95% UCL	Risk-Adjusted Rate	95% LCL	95% UCL
Risk-adjusted Total Expenditures	Blueprint primary care practice attributed	\$7,795	\$7,544	\$8,046	\$8,213	\$8,152	\$8,274
	Non-Blueprint primary care attributed	\$9,203	\$8,581	\$9,825	\$9,008	\$8,900	\$9,117
	No primary care attribution	\$7,830	\$7,555	\$8,106	\$7,851	\$7,784	\$7,918
	Combined Population	\$8,012	\$7,803	\$8,220	\$8,362	\$8,315	\$8,410
Risk-adjusted Total Expenditures Excluding SMS	Blueprint primary care practice attributed	\$7,314	\$7,076	\$7,553	\$7,783	\$7,724	\$7,842
	Non-Blueprint primary care attributed	\$8,855	\$8,247	\$9,462	\$8,620	\$8,514	\$8,727
	No primary care attribution	\$7,430	\$7,190	\$7,671	\$7,403	\$7,340	\$7,466
	Combined Population	\$7,560	\$7,362	\$7,759	\$7,940	\$7,894	\$7,987

**Table 10. Key Utilization Measures by Primary Care Attribution Group**

Measure		Community H.S.A.			Statewide		
		Risk-Adjusted Rate	95% LCL	95% UCL	Risk-Adjusted Rate	95% LCL	95% UCL
Risk-Adjusted Resource Use Index	Blueprint primary care practice attributed	0.93	0.90	0.96	0.98	0.97	0.99
	Non-Blueprint primary care attributed	1.09	1.02	1.17	1.08	1.07	1.09
	No primary care attribution	0.93	0.90	0.96	0.94	0.93	0.94
	Combined Population	0.95	0.93	0.98	1.00	0.99	1.01
Risk-adjusted Inpatient Utilization	Blueprint primary care practice attributed	111.93	105.86	117.99	112.98	111.60	114.36
	Non-Blueprint primary care attributed	128.50	114.17	142.84	119.84	117.49	122.19
	No primary care attribution	120.03	104.09	135.96	116.86	113.45	120.26
	Combined Population	115.35	110.08	120.63	115.04	113.92	116.17
Risk-adjusted Outpatient ED Utilization	Blueprint primary care practice attributed	359.48	348.61	370.34	374.52	372.01	377.03
	Non-Blueprint primary care attributed	393.89	368.80	418.99	377.01	372.84	381.18
	No primary care attribution	326.76	300.47	353.05	335.59	329.82	341.36
	Combined Population	360.94	351.60	370.28	370.81	368.79	372.82
Potentially Avoidable ED Visits	Blueprint primary care practice attributed	67.31	62.61	72.01	58.70	57.70	59.69
	Non-Blueprint primary care attributed	76.77	65.69	87.85	59.00	57.35	60.65
	No primary care attribution	56.87	45.90	67.84	53.50	51.19	55.80
	Combined Population	67.55	63.51	71.59	58.20	57.40	58.99
PQI92 (Chronic conditions)	Blueprint primary care practice attributed	10.01	8.20	11.82	10.12	9.71	10.53
	Non-Blueprint primary care attributed	7.91	4.35	11.46	9.87	9.20	10.54
	No primary care attribution	1.10	0.00	2.63	0.83	0.54	1.11
	Combined Population	8.67	7.23	10.12	9.03	8.72	9.35

**Table 11a.** ACO and APM Measures Detail

Measure		HSA				Statewide			
		N	Rate %	95% LCL	95% UCL	N	Rate %	95% LCL	95% UCL
Cervical Cancer Screening	Core-30	3,484	62%	60%	64%	82,678	67%	67%	67%
CCS – Commercial	Core-30	1,916	66%	64%	68%	50,622	73%	72%	73%
CCS – Medicaid	Core-30	1,190	60%	57%	63%	23,054	61%	60%	61%
CCS – Medicare	Core-30	378	47%	42%	53%	9,002	50%	49%	51%
Chlamydia Screening (Ages 16–24 Years)	Core-7	705	45%	41%	49%	14,357	50%	49%	50%
CHL – Commercial	Core-7	329	42%	37%	48%	7,593	48%	47%	50%
CHL – Medicaid	Core-7	371	48%	43%	53%	6,651	51%	50%	52%
CHL – Medicare	Core-7					113	40%	30%	49%
Breast Cancer Screening (Ages 52–64 Years)	Core-11	1,493	61%	58%	63%	35,907	69%	69%	70%
BCS – Commercial (Ages 52–64 Years)	Core-11	937	67%	64%	70%	24,030	75%	75%	76%
BCS – Medicaid (Ages 52–64 Years)	Core-11	336	52%	47%	58%	6,484	56%	55%	57%
BCS – Medicare (Ages 52–64 Years)	Core-11	220	49%	42%	56%	5,393	58%	57%	59%
BCS (Ages 52–74 Years)	Core-11	2,706	62%	60%	64%	64,311	69%	69%	70%
BCS (Ages 65–74 Years)	Core-11	1,213	64%	61%	66%	28,404	70%	69%	70%
Follow-Up After Hospitalization for Mental Illness (7 day)	Core-4	50	48%	33%	63%	2,516	33%	31%	34%
FUH – Commercial	Core-4					316	46%	40%	52%
FUH – Medicaid	Core-4					1,423	27%	24%	29%
FUH – Medicare	Core-4					777	38%	34%	41%
Initiation of Alcohol/Drug Treatment	Core-5a	426	45%	40%	50%	9,456	41%	40%	42%
IET (INI) – Medicaid	Core-5a	195	48%	41%	55%	4,480	41%	39%	42%
Engagement of Alcohol/Drug Treatment	Core-5b	192	43%	36%	50%	3,839	34%	32%	35%
IET (ENG) – Medicaid	Core-5b	94	59%	48%	69%	1,829	43%	41%	46%
Cholesterol Management for Patients with CVD	Core-3	322	70%	65%	75%	8,041	68%	66%	69%
CMC – Commercial	Core-3	44	77%	64%	91%	1,198	68%	65%	70%
CMC – Medicaid	Core-3	30	63%	44%	82%	642	63%	59%	67%
CMC – Medicare	Core-3	248	70%	64%	76%	6,201	68%	67%	69%
Avoidance of Antibiotic Treatment for Acute Bronchitis	Core-6	145	54%	46%	63%	4,366	33%	31%	34%
AAB – Commercial	Core-6	71	54%	41%	66%	2,318	33%	31%	35%
AAB – Medicaid	Core-6	53	55%	40%	69%	1,485	31%	28%	33%
AAB – Medicare	Core-6					563	37%	33%	42%
Influenza Vaccination	Core-35	3,413	35%	33%	36%	116,450	43%	42%	43%
INF – Commercial	Core-35	1,162	27%	24%	30%	41,398	34%	33%	34%
INF – Medicaid	Core-35	739	22%	18%	25%	23,331	28%	27%	28%
INF – Medicare	Core-35	1,512	47%	44%	49%	51,721	57%	56%	57%

**Table 11b.** ACO and APM Measures Detail, Continued

Measure		HSA				Statewide			
		N	Rate %	95% LCL	95% UCL	N	Rate %	95% LCL	95% UCL
Diabetes Blood Pressure in Control (<140/90 mmHg)	MSSP-24	548	73%	69%	76%	15,023	71%	70%	71%
Diab – Commercial (BP)	MSSP-24	133	74%	66%	82%	3,907	72%	71%	74%
Diab – Medicaid (BP)	MSSP-24	82	77%	67%	87%	2,476	74%	72%	76%
Diab – Medicare (BP)	MSSP-24	333	71%	66%	76%	8,640	69%	68%	70%
Diabetes Tobacco Use in Control	MSSP-25	111	76%	67%	84%	651	79%	76%	82%
Diab – Commercial (Tob.)	MSSP-25	35	74%	58%	90%	162	85%	79%	91%
Diab – Medicaid (Tob.)	MSSP-25					107	64%	55%	74%
Diab – Medicare (Tob.)	MSSP-25	65	77%	66%	88%	382	80%	76%	84%
Diabetes Composite 2 Measures(HbA1c, Eye Screening)	Core-53	371	52%	47%	58%	11,397	53%	52%	54%
Diab – Commercial (Comp.)	Core-53	96	46%	35%	56%	3,002	45%	44%	47%
Diab – Medicaid (Comp.)	Core-53	55	49%	35%	63%	1,843	44%	42%	46%
Diab – Medicare (Comp.)	Core-53	220	56%	49%	63%	6,552	59%	58%	60%
Diabetes HbA1c Not in Control (>9%)	Core-17	371	14%	10%	17%	11,397	14%	13%	14%
Diab – Commercial (HbA1c Not in Control)	Core-17	96	24%	15%	33%	3,002	15%	14%	16%
Diab – Medicaid (HbA1c Not in Control)	Core-17	55				1,843	23%	21%	24%
Diab – Medicare (HbA1c Not in Control)	Core-17	220	9%	5%	13%	6,552	11%	10%	12%
Hypertension with BP in Control (<140/90 mmHg)	Core-39	1,674	65%	62%	67%	47,351	65%	64%	65%
HYP – Commercial (Ages 18–85 Years)	Core-39	351	67%	62%	72%	11,090	64%	63%	65%
HYP – Medicaid (Ages 18–85 Years)	Core-39	197	64%	57%	71%	5,250	62%	61%	64%
HYP – Medicare (Ages 18–85 Years)	Core-39	1,126	64%	61%	67%	31,011	65%	65%	66%
HYP (Ages 18–64 Years)	Core-39	697	66%	62%	70%	20,645	64%	64%	65%
HYP (Ages 65–85 Years)	Core-39	977	64%	60%	67%	26,706	65%	64%	65%



**Table 11c.** ACO and APM Measures Detail, Continued

Measure		HSA				Statewide			
		N	Rate %	95% LCL	95% UCL	N	Rate %	95% LCL	95% UCL
Follow-Up After Discharge From ED for Mental Health	APM-HD-II	45	67%	52%	82%	1,827	69%	67%	71%
FUM – Commercial	APM-HD-II					263	71%	65%	76%
FUM – Medicaid	APM-HD-II					1,060	75%	72%	78%
FUM – Medicare	APM-HD-II					504	56%	51%	60%
Follow-Up After Discharge From ED for AOD	APM-HD-III	69	32%	20%	44%	1,615	23%	21%	25%
FUA – Commercial	APM-HD-III					222	16%	11%	21%
FUA – Medicaid	APM-HD-III	43	30%	15%	45%	1,048	26%	23%	28%
FUA – Medicare	APM-HD-III					345	21%	16%	25%
Medication Management for People With Asthma	APM-P-V	163	76%	69%	83%	4,197	77%	76%	78%
MMA50 – Commercial	APM-P-V	75	81%	72%	91%	2,109	80%	79%	82%
MMA50 – Medicaid	APM-P-V	83	71%	61%	81%	1,753	72%	70%	74%
MMA50 – Medicare	APM-P-V					335	78%	74%	83%
Screening for Clinical Depression	APM-P-III	5,280	1%	1%	1%	154,885	2%	2%	2%
CDF_HH – Commercial	APM-P-III	1,849	1%	1%	2%	60,757	2%	2%	2%
CDF_HH – Medicaid	APM-P-III	1,084	2%	1%	3%	28,866	3%	3%	3%
CDF_HH – Medicare	APM-P-III	2,347				65,262	2%	2%	2%
Tobacco Use Screening	APM-P-IV	7,587	17%	16%	18%	211,124	16%	16%	16%
TOB_SCREEN – Commercial	APM-P-IV	2,862	18%	16%	19%	88,713	17%	16%	17%
TOB_SCREEN – Medicaid	APM-P-IV	1,729	16%	14%	18%	43,701	14%	14%	15%
TOB_SCREEN – Medicare	APM-P-IV	2,996	16%	15%	18%	78,710	16%	16%	16%

**Table 11d. ACO Measures Detail**

Measure		HSA				Statewide			
		N	Observed / Expected Ratio	LCL	UCL	N	Observed / Expected Ratio	LCL	UCL
Plan All-Cause Readmissions	Core-1	1,113	1.22	1.06	1.38	26,253	1.10	1.07	1.13
PCR – Commercial	Core-1	141	1.50	0.93	2.07	3,301	1.22	1.10	1.34
PCR – Medicaid	Core-1	163	0.81	0.45	1.17	3,884	0.97	0.90	1.05
PCR – Medicare	Core-1	809	1.29	1.10	1.48	19,068	1.12	1.08	1.16

**Table 11e. ACO Measures Detail**

Measure		HSA				Statewide			
		N	Rate per 1,000	95% LCL	95% UCL	N	Rate per 1,000	95% LCL	95% UCL
ACS Admissions for COPD and Asthma	Core-10	15,908	4.8	3.7	5.9	349,994	3.6	3.4	3.8
PQI – Commercial (COPD and Asthma)	Core-10	6,906	0.4	0.0	0.9	154,018	0.3	0.2	0.4
PQI – Medicaid (COPD and Asthma)	Core-10	3,829	1.8	0.5	3.2	75,609	2.3	2.0	2.7
PQI – Medicare (COPD and Asthma)	Core-10	5,173	12.8	9.7	15.8	120,366	8.7	8.1	9.2
ACS Admissions for Congestive Heart Failure	MSSP-10	15,908	3.3	2.4	4.2	349,994	3.9	3.7	4.1
PQI – Commercial (CHF)	MSSP-10	6,906		0.0		154,018	0.2	0.2	0.3
PQI – Medicaid (CHF)	MSSP-10	3,829	0.3	0.0	0.8	75,609	1.0	0.8	1.2
PQI – Medicare (CHF)	MSSP-10	5,173	9.9	7.2	12.6	120,366	10.4	9.8	10.9
ACS Hospitalizations: PQI Composite (Chronic)	Core-12	15,908	8.7	7.2	10.1	349,994	9.0	8.7	9.3
PQI – Commercial (Comp.)	Core-12	6,906	0.4	0.0	0.9	154,018	0.9	0.7	1.0
PQI – Medicaid (Comp.)	Core-12	3,829	2.4	0.8	3.9	75,609	4.5	4.1	5.0
PQI – Medicare (Comp.)	Core-12	5,173	24.4	20.1	28.6	120,366	22.3	21.5	23.1

**Table 12. ACO and APM Measures Reference Table**

VT Measure ID	Medicare Shared Savings Program Measure ID	Measure Name	Nationally Recognized/ Endorsed	Included in HSA Profile?	Measure Description
Core-1		Plan All-Cause Readmissions	NQF #1768, HEDIS measure	Adult	For members 18 years and older, the number of acute inpatient stays during the measurement year that were followed by an acute readmission for any diagnosis within 30 days.
Core-2		Adolescent Well-Care Visit	HEDIS measure	Pediatric	The percentage of members 12-21 years who had at least one comprehensive well-care visit with a PCP or OB/GYN during the measurement year.
Core-3	MSSP-29	Ischemic Vascular Disease (IVD): Complete Lipid Panel (Screening Only)	NQF #0075, NCQA	Adult	The percentage of members 18-75 years who were discharged alive for acute myocardial infarction, coronary artery bypass grafting, or percutaneous coronary intervention in the year prior to the measurement year or who had a diagnosis of Ischemic Vascular Disease during the measurement year and one year prior, who had LDL-C screening.
Core-4		Follow-up after Hospitalization for Mental Illness, 7 Day	NQF #0576, HEDIS measure	Adult	The percentage of discharges for members 6 years and older who were hospitalized for treatment of selected mental illness diagnoses and who had an outpatient visit, an intensive outpatient encounter, or partial hospitalization with a mental health practitioner.
Core-5		Initiation & Engagement of Alcohol and Other Drug Dependence Treatment (a) Initiation, (b) Engagement	NQF #0004, HEDIS measure	Adult	(a) The percentage of adolescent and adult members with a new episode of alcohol or other drug (AOD) dependence who received initiation of AOD treatment within 14 days. (b) The percentage of adolescent and adult members with a new episode of alcohol or other drug (AOD) dependence who initiated treatment and had two additional services with a diagnosis of AOD within 30 days of the initiation visit.
Core-6		Avoidance of Antibiotic Treatment for Adults with Acute Bronchitis	NQF #0058, HEDIS measure	Adult	The percentage of adults 18-64 years with a diagnosis of acute bronchitis who were not dispensed an antibiotic.
Core-7		Chlamydia Screening in Women	NQF #0033, HEDIS measure	Adult and Pediatric	The percentage of women 16-24 years who were identified as sexually active and who had at least one test for chlamydia during the measurement period.
Core-8		Developmental Screening in the First Three Years of Life	NQF #1448	Pediatric	The percentage of children screened for risk of developmental, behavioral, and social delays using a standardized screening tool in the 12 months preceding their first, second, or third birthday.
Core-10	MSSP-9	Ambulatory Sensitive Condition Admissions: Chronic Obstructive Pulmonary Disease or Asthma in Older Adults	NQF, AHRQ_x000D_ (Prevention Quality Indicator (PQI) #5)	Adult	All discharges with an ICD-9-CM principal diagnosis code for COPD or asthma in adults ages 40 years and older, for ACO assigned or aligned Medicare fee-for-service (FFS) beneficiaries with COPD or asthma. This is an observed rate of discharges per 1,000 members.
Core-11	MSSP-20	Mammography / Breast Cancer Screening	NQF #2372, HEDIS measure	Adult	The percentage of women 50-74 years who had a mammogram to screen for breast cancer in the last two years.
Core-12		Rate of Hospitalization for Ambulatory Care Sensitive Conditions: PQI Chronic Composite	NQF, AHRQ_x000D_ (Prevention Quality Indicator (PQI) Chronic Composite)	Adult	Prevention Quality Indicators' (PQI) overall composite per 1,000 population, ages 18 years and older; includes admissions for one of the following conditions: diabetes with short-term complications, diabetes with long-term complications, uncontrolled diabetes without complications, diabetes with lower-extremity amputation, chronic obstructive pulmonary disease, asthma, hypertension, heart failure, angina without a cardiac procedure, dehydration, bacterial pneumonia, or urinary tract infection.

**Table 12. ACO and APM Measures Reference Table, Continued**

VT Measure ID	Medicare Shared Savings Program Measure ID	Measure Name	Nationally Recognized/ Endorsed	Included in HSA Profile?	Measure Description
Core-13		Appropriate Testing for Children with Pharyngitis	NQF #0002	Pediatric	Percentage of children 2-18 years who were diagnosed with pharyngitis, dispensed an antibiotic and received a group A strep test for the episode.
Core-14		Childhood Immunization Status (Combo 10)	NQF #0038, HEDIS measure	No	The percentage of children 2 years who had each of nine key vaccinations (e.g., MMR, HiB, HepB, etc.).
Core-15		Pediatric Weight Assessment and Counseling	NQF #0024	No	The percentage of members 3-17 years who had an outpatient visit with a PCP or OB/GYN and who had evidence of BMI percentile documentation, counseling for nutrition, and counseling for physical activity.
Core-17	MSSP-27	Diabetes Mellitus: Hemoglobin A1c Poor Control (>9%)	NQF #0059, NCQA	Adult	Percentage of members 18-75 years with diabetes whose HbA1c was in poor control >9%.
Core-18	MSSP-19	Colorectal Cancer Screening	NQF #0034, NCQA HEDIS measure	No	The percentage of members 50-75 years who had appropriate screening for colorectal cancer.
Core-19	MSSP-18	Depression Screening and Follow-Up	NQF #0418, CMS	No	The percentage of members 12 years and older who had negative screening or positive screening for depression completed in the measurement year with an age-appropriate standardized tool. Follow-up for positive screening must be documented same day as screening.
Core-20	MSSP-16	Adult Weight Screening and Follow-Up	NQF #0421, CMS	No	The percentage of members 18 years and older who had BMI calculated during the last visit in the measurement year or within the prior 6 months. In cases where the BMI is abnormal, a follow-up plan must be documented during the visit the BMI was calculated or within the prior 6 months.
Core-21		Access to Care Composite	NCQA	No	NCQA Survey - percentage of members who could get appointments or answers to questions from providers when needed.
Core-22		Communication Composite	NCQA	No	NCQA Survey - percentage of members who felt they received good communication from providers.
Core-23		Shared Decision-Making Composite	NCQA	No	NCQA Survey - percentage of members whose provider helped them make decisions about prescription medications.
Core-24		Self-Management Support Composite	NCQA	No	NCQA Survey - percentage of members whose provider talked to them about specific health goals and barriers.
Core-25		Comprehensiveness Composite	NCQA	No	NCQA Survey - percentage of members whose provider talked to them about depression, stress, and other mental health issues.
Core-26		Office Staff Composite	NCQA	No	NCQA Survey - percentage of members who found the clerks and receptionists at their provider's office to be helpful and courteous.
Core-27		Information Composite	NCQA	No	NCQA Survey - percentage of members who received information from their provider about what to do if care was needed in the off hours and reminders between visits.
Core-28		Coordination of Care Composite	NCQA	No	NCQA Survey - percentage of members whose providers followed-up about test results, seemed informed about specialty care, and talked at each visit about prescription medication.

**Table 12.** ACO and APM Measures Reference Table, Continued

VT Measure ID	Medicare Shared Savings Program Measure ID	Measure Name	Nationally Recognized/ Endorsed	Included in HSA Profile?	Measure Description
Core-29		Specialist Composite	NCQA	No	NCQA Survey - percentage of members who found it easy to get appointments with specialists and who found that their specialist seemed to know important information about their medical history.
Core-30		Cervical Cancer Screening	NQF #0032, HEDIS measure	Adult	The percentage of women either age 21–64 years who received one or more Papanicolaou (Pap) tests to screen for cervical cancer during the measurement year or the two years prior to the measurement year or age 30–64 years who received one or more Pap tests to screen for cervical cancer during the measurement year or four years prior to the measurement year.
Core-31	MSSP-30	Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic	NQF #0068, NCQA	No	Percentage of members 18 years and older with IVD who had documentation of using aspirin or another antithrombotic during the measurement year.
Core-35	MSSP-14	Influenza Vaccination	NQF #0041, AMA-PCPI	Adult	Percentage of members 6 months and older with an outpatient visit between October and March who received an influenza vaccine.
Core-36	MSSP-17	Tobacco Use Assessment and Cessation Intervention	NQF #0028, AMA-PCPI	No	Percentage of members 18 years and older who had a negative tobacco screen or positive tobacco screen with cessation intervention in the two years prior to the measurement year.
Core-38	MSSP-32	Drug Therapy for Lowering LDL Cholesterol	NQF #0074	No	Percentage of members 18 years and older with a diagnosis of CAD and an outpatient visit in the measurement year whose LDL-C <100 mg/dL or LDL-C ≥100 mg/dL and who received a prescription of a statin in the measurement year.
Core-38	MSSP-33	ACE Inhibitor or ARB Therapy for Members with CAD and Diabetes and/or Left Ventricular Systolic Dysfunction (LVSD)	NQF #0066	No	Percentage of members 18 years and older with a diagnosis of CAD and a Left Ventricular Ejection Fraction (LVEF) < 40% or diagnosis of CAD and diabetes who received a prescription of ACE/ARB medication in the measurement year.
Core-39	MSSP-28	Percent of Beneficiaries With Hypertension Whose BP < 140/90 mmHg	NQF #0018, NCQA HEDIS measure	Adult	Percentage of members 18-85 years with hypertension whose BP was in control <140/90 mmHg.
Core-40	MSSP-21	Screening for High Blood Pressure and Follow-Up Plan Documented	Not NQF-endorsed; MSSP	No	Percentage of members 18 years and older seen during the measurement period who were screened for high blood pressure and a recommended follow-up plan is documented based on the current blood pressure reading as indicated.
Core-47	MSSP-13	Falls: Screening for Fall Risk	NQF #0101	No	Percentage of members 65 years and older who had any type of falls screening in the measurement year.
Core-48	MSSP-15	Pneumonia Vaccination (Ever Received)	NQF #0043	Adult	The percentage of members 65 years and older who had documentation of ever receiving a pneumonia vaccine.
Core-53		Diabetes Care Two-Part Composite	NQF #0059 and #0055	Adult	The percentage of members 18-75 years with diabetes who have a valid HbA1c less than or equal to 9% and who received an eye exam for diabetic retinal disease during the measurement year.
	MSSP-1	CG CAHPS: Getting Timely Care, Appointments, and Information	NQF #0005, AHRQ	No	CMS Survey - Getting Timely Care, Appointments, and Information
	MSSP-2	CG CAHPS: How Well Your Doctors Communicate	NQF #0005, AHRQ	No	CMS Survey - How Well Your Doctors Communicate

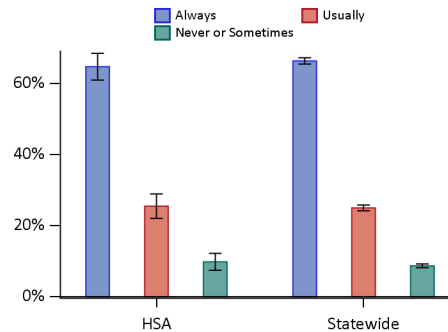
**Table 12. ACO and APM Measures Reference Table, Continued**

VT Measure ID	Medicare Shared Savings Program Measure ID	Measure Name	Nationally Recognized/ Endorsed	Included in HSA Profile?	Measure Description
	MSSP-3	CG CAHPS: Patients' Rating of Doctor	NQF #0005, AHRQ	No	CMS Survey - Patients' Rating of Doctor
	MSSP-4	CG CAHPS: Access to Specialists	NQF #0005, AHRQ	No	CMS Survey - Access to Specialists
	MSSP-5	CG CAHPS: Health Promotion and Education	NQF #0005, AHRQ	No	CMS Survey - Health Promotion and Education
	MSSP-6	CG CAHPS: Shared Decision Making	NQF #0005, AHRQ	No	CMS Survey - Shared Decision Making
	MSSP-7	CG CAHPS: Health Status / Functional Status	NQF #0006, AHRQ	No	CMS Survey - Health Status/Functional Status
	MSSP-8	Risk-Standardized, All Condition Readmission	CMS, not submitted to NQF _x000D_ (adapted from NQF #1789)	No	All discharges with an ICD-9-CM principal diagnosis code for COPD or asthma in adults ages 40 years and older, for ACO assigned or aligned Medicare fee-for-service (FFS) beneficiaries with COPD or asthma. This is an observed rate of discharges per 1,000 members.
	MSSP-10	Ambulatory Sensitive Condition Admissions: Congestive Heart Failure	NQF #0277, AHRQ _x000D_ (Prevention Quality Indicator (PQI) #8)	Adult	All discharges with an ICD-9-CM principal diagnosis code for CHF in adults ages 18 years and older, for ACO assigned or aligned Medicare fee-for-service (FFS) beneficiaries with CHF. This is an observed rate of discharges per 1,000 members.
	MSSP-11	Percent of Primary Care Physicians who Successfully Qualify for an EHR Program Incentive Payment	CMS EHR Incentive Program Reporting	No	Percentage of Accountable Care Organization (ACO) primary care physicians (PCPs) who successfully qualify for either a Medicare or Medicaid Electronic Health Record (EHR) Program incentive payment.
	MSSP-12	Medication Reconciliation: Reconciliation After Discharge from an Inpatient Facility	NQF #0554	No	Percentage of members 65 years and older who were discharged from any inpatient facility in the measurement year and had an outpatient visit within 30 days of the discharge who had documentation in the outpatient medical record of reconciliation of discharge medications with current outpatient medications during a visit within 30 days of discharge.
	MSSP-24	Diabetes: Blood Pressure Control		Adult	Percentage of members 18-75 years with diabetes who had blood pressure <140/90 mmHg at most recent visit.
	MSSP-25	Diabetes: Tobacco Non-Use		Adult	Percentage of members 18-75 years with diabetes who were identified as a non-user of tobacco in measurement year.
	MSSP-31	Heart Failure: Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)	NQF #0083	No	Percentage of members 18 years and older with a diagnosis of heart failure who also had LVSD (LVEF < 40%) and who were prescribed beta-blocker therapy.
		Comprehensive Diabetes Care: Eye Exams for Diabetics	NQF #0055, HEDIS measure	Adult	Percentage of members with diabetes 18-75 years who received an eye exam for diabetic retinal disease during the measurement year.
M&E-3		Comprehensive Diabetes Care: Medical Attention for Nephropathy	NQF #0062, HEDIS measure	Adult	Percentage of members with diabetes 18-75 years who received a nephropathy screening test during the measurement year.

**Table 12.** ACO and APM Measures Reference Table, Continued

VT Measure ID	Medicare Shared Savings Program Measure ID	Measure Name	Nationally Recognized/ Endorsed	Included in HSA Profile?	Measure Description
APM-HD-II		Follow-Up After Discharge From ED for Mental Health	NQF #2605, HEDIS measure	Adult	Percentage of ED visits for members 18 years of age and older with a principal diagnosis of mental illness, who had a follow up visit for mental health within 30 days of the ED visit.
APM-HD-III		Follow-Up After Discharge From ED for AOD	NQF #2605, HEDIS measure	Adult	Percentage of ED visits for members 18 years of age and older with a principal diagnosis of alcohol or other drug (AOD) dependence, who had a follow up visit for AOD within 30 days of the ED visit.
APM-P-III, ACO-18		Screening for Clinical Depression	NQF #0418	Adult	Percentage of members ages 18 years and older that were screened for clinical depression on the date of encounter using an age-appropriate standardized depression screening tool.
APM-P-IV, ACO-17		Tobacco Use Screening	NQF #0028	Adult	Percentage of members ages 18 years and older that were screened for tobacco use one or more times within a two-year lookback period and that received cessation counseling intervention.
APM-P-V		Medication Management for People With Asthma	NQF #1799, HEDIS measure	Adult	The percentage of members age 18-64 during the measurement year who were identified as having persistent asthma and were dispensed appropriate medications that they remained on during the treatment period. Two rates are reported. 1. The percentage of patients who remained on an asthma controller medication for at least 50% of their treatment period. 2. The percentage of patients who remained on an asthma controller medication for at least 75% of their treatment period.

**Patient Experience Survey: Access to Care Composite 2017**



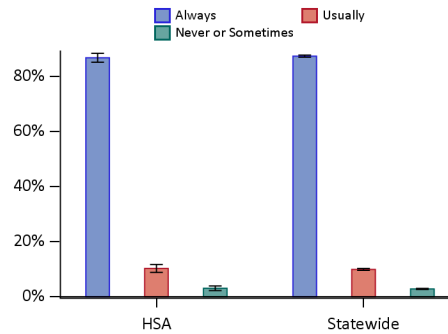
*Figure 44: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Access to Care for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 13. Patient Experience Survey: Access to Care Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
In the last 6 months, when you contacted this provider's office to get an appointment for care you needed right away, how often did you get an appointment as soon as you needed?	Always	165	68%	7%	2,954	69%	2%
	Usually	165	24%	7%	2,954	22%	2%
	Never or Sometimes	165	8%	5%	2,954	9%	1%
In the last 6 months, when you contacted this provider's office during regular office hours, how often did you get an answer to your medical question that same day?	Always	206	60%	7%	3,486	59%	2%
	Usually	206	27%	6%	3,486	29%	2%
	Never or Sometimes	206	13%	5%	3,486	11%	1%
In the last 6 months, when you made an appointment for a check-up or routine care with this provider, how often did you get an appointment as soon as you needed?	Always	318	66%	5%	5,078	71%	1%
	Usually	318	26%	5%	5,078	23%	1%
	Never or Sometimes	318	8%	3%	5,078	6%	1%



**Patient Experience Survey: Communication Composite 2017**

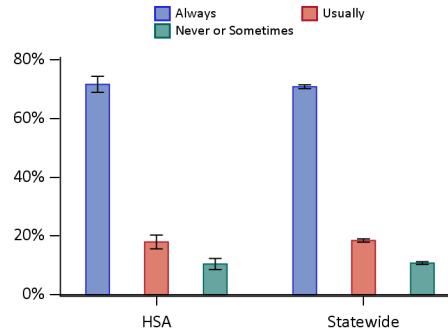


*Figure 45: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Communication for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 14. Patient Experience Survey: Communication Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
In the last 6 months, how often did this provider spend enough time with you?	Always	437	83%	4%	7,603	85%	1%
	Usually	437	13%	3%	7,603	12%	1%
	Never or Sometimes	437	4%	2%	7,603	3%	0%
In the last 6 months, how often did this provider explain things in a way that was easy to understand?	Always	439	87%	3%	7,616	87%	1%
	Usually	439	11%	3%	7,616	11%	1%
	Never or Sometimes				7,616	2%	0%
In the last 6 months, how often did this provider listen carefully to you?	Always	440	88%	3%	7,612	87%	1%
	Usually	440	9%	3%	7,612	10%	1%
	Never or Sometimes	440	3%	2%	7,612	3%	0%
In the last 6 months, how often did this provider show respect for what you had to say?	Always	440	89%	3%	7,616	90%	1%
	Usually	440	8%	3%	7,616	7%	1%
	Never or Sometimes	440	3%	2%	7,616	2%	0%

**Patient Experience Survey: Coordinated Care Composite 2017**

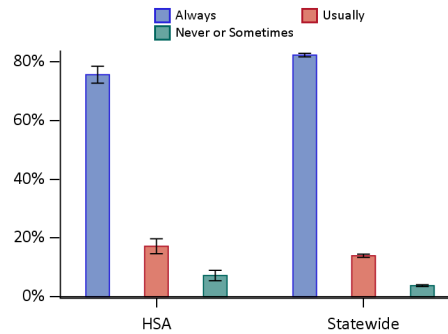


*Figure 46: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Coordinated Care for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 15. Patient Experience Survey: Coordinated Care Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
In the last 6 months, when this provider ordered a blood test, x-ray, or other test for you, how often did someone from this provider's office follow up to give you those results?	Always	302	77%	5%	5,131	74%	1%
	Usually	302	15%	4%	5,131	16%	1%
	Never or Sometimes	302	8%	3%	5,131	10%	1%
In the last 6 months, how often did you and someone from this provider's office talk at each visit about all the prescription medicines you were taking?	Always	343	62%	5%	6,192	64%	1%
	Usually	343	22%	4%	6,192	19%	1%
	Never or Sometimes	343	17%	4%	6,192	17%	1%
In the last 6 months, how often did this provider seem to know the important information about your medical history?	Always	437	76%	4%	7,582	74%	1%
	Usually	437	17%	4%	7,582	20%	1%
	Never or Sometimes	437	6%	2%	7,582	6%	1%

**Patient Experience Survey: Office Staff Composite 2017**

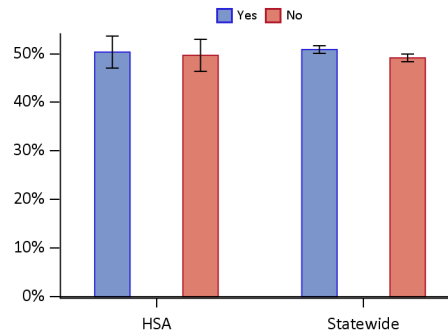


*Figure 47: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Office Staff for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 16. Patient Experience Survey: Office Staff Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
In the last 6 months, how often were clerks and receptionists at this provider's office as helpful as you thought they should be?	Always	436	69%	4%	7,548	76%	1%
	Usually	436	22%	4%	7,548	19%	1%
	Never or Sometimes	436	9%	3%	7,548	5%	1%
In the last 6 months, how often did clerks and receptionists at this provider's office treat you with courtesy and respect?	Always	437	82%	4%	7,555	89%	1%
	Usually	437	13%	3%	7,555	9%	1%
	Never or Sometimes	437	6%	2%	7,555	2%	0%

**Patient Experience Survey: Self Management Composite 2017**

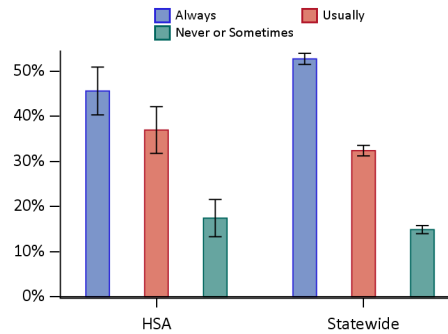


*Figure 48: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Self Management for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 17. Patient Experience Survey: Self Management Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
In the last 6 months, did someone from this provider's office ask you if there are things that make it hard for you to take care of your health?	No	431	61%	5%	7,467	59%	1%
	Yes	431	39%	5%	7,467	41%	1%
In the last 6 months, did someone from this provider's office talk with you about specific goals for your health?	No	436	38%	5%	7,520	40%	1%
	Yes	436	62%	5%	7,520	60%	1%

**Patient Experience Survey: Specialist Composite 2017**

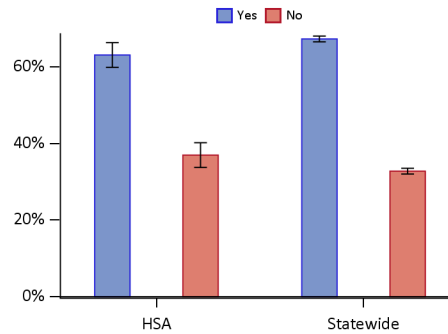


*Figure 49: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Specialist for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 18. Patient Experience Survey: Specialist Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
In the last 6 months, how often was it easy to get appointments with specialists?	Always	154	40%	8%	2,718	47%	2%
	Usually	154	39%	8%	2,718	35%	2%
	Never or Sometimes	154	21%	7%	2,718	19%	1%
In the last 6 months, how often did the specialist you saw most seem to know the important information about your medical history?	Always	206	51%	7%	3,718	59%	2%
	Usually	206	35%	7%	3,718	30%	1%
	Never or Sometimes	206	14%	5%	3,718	11%	1%

**Patient Experience Survey: Information Composite 2017**



*Figure 50: Presents the composite proportion, including the 95% confidence interval, of the given response to the questions associated with Information for members 18 years and older. The composite proportion is given by the average of the corresponding proportions of the associated questions.*

**Table 19. Patient Experience Survey: Information Questions**

Question & Answer		HSA			Statewide		
		N	%	Error (+/-)	N	%	Error (+/-)
Did this provider's office give you information about what to do if you needed care during evenings, weekends, or holidays?	No	428	28%	4%	7,487	29%	1%
	Yes	428	72%	4%	7,487	71%	1%
Some offices remind patients between visits about tests, treatment or appointments. In the last 6 months, did you get any reminders from this provider's office between visits?	No	434	46%	5%	7,494	37%	1%
	Yes	434	54%	5%	7,494	63%	1%

**Table 20. HSA Practice List**

VT Practice ID	Practice Name
VT08	Morrisville Family Practice
VT09	Stowe Family Practice
VT101	Family Practice Associates
VT112	Paul Rogers
VT215	Stowe Natural Family Wellness
VT250	Stowe Personalized Medical Care PLLC
VT252	Appleseed Pediatrics
VT66	Hardwick Area Health Center

**Table 21.** HSA Town List

Community H.S.A.	Town Name
Morrisville	Belvidere
Morrisville	Craftsbury
Morrisville	Eden
Morrisville	Elmore
Morrisville	Greensboro
Morrisville	Hardwick
Morrisville	Hyde Park
Morrisville	Johnson
Morrisville	Morristown
Morrisville	Stannard
Morrisville	Stowe
Morrisville	Waterville
Morrisville	Wolcott