

CAHPS® PCMH Adult Survey
Data Summary Report for
Dr. Avery Wood
Year 1 (2012)



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Introduction

CAHPS PCMH Adult Survey

The Consumer Assessment of Health Providers and Systems (CAHPS) Patient-Centered Medical Home (PCMH) Adult Survey was designed to capture patients' experiences within the domains of primary care that define the medical home. The standardized assessment was developed jointly by the Agency for Healthcare Research and Quality (AHRQ), the National Committee for Quality Assurance (NCQA), and the Commonwealth Fund. It is the most comprehensive tool available for assessing consumers' experiences with their clinicians' practices. The adult survey, administered annually, contains 54 questions measuring key consumer issues such as overall satisfaction, wait times, and physician availability. Other core consumer and PCMH components assessed include:

- Self-Management Support
- Access to Care
- Communication
- Comprehensiveness (Adult Behavior)
- Shared Decision Making
- Office Staff
- Information
- Coordination of Care

NCQA is an independent, not-for-profit organization dedicated to improving health care quality. NCQA accredits and certifies a wide range of health care organizations. It also recognizes clinicians and practices in important areas of performance. CAHPS PCMH data submitted to NCQA will be used to establish a benchmarking database that will allow national comparisons across practices. Practices participating in the data collection process may earn a "Distinction in Patient Experience Reporting" and be eligible to receive NCQA credit for measuring patient/family experience.

VCHIP as the Certified Vendor



2012

The Vermont Child Health Improvement Program (VCHIP) at the University of Vermont is an NCQA Certified Survey Vendor for the CAHPS PCMH surveys (adult and child versions). To become an NCQA Certified CAHPS PCMH Survey Vendor, an organization must demonstrate that it has the relevant survey experience, organizational capacity, and expert personnel capable of accurately collecting and reporting results. Survey vendors must also participate in an annual CAHPS PCMH Survey Vendor Training Program to maintain vendor certification.

VCHIP, through a contract with the Department of Vermont Health Access (DVHA), offers its vendor services for free to practices participating in the Vermont Blueprint for Health. Your practice agreed to allow VCHIP to conduct the CAHPS PCMH Adult Survey on its behalf. This report describes the data collection methods, sampling techniques, and results from the Year 1 (2012) data collection period. Your practice's results are compared to the overall state findings. The state findings consist of independently-owned, hospital-owned, and Federally Qualified Health Center (FQHC) practice sites serving approximately 75% of Vermont's Health Service Areas. At the time of survey administration, the majority of participating practices were PCMH-recognized sites. Of those practices that were not recognized, all but one is expected to be officially scored within the next year. VCHIP was recertified as a CAHPS PCMH survey vendor for the 2013 data collection period and plans to develop similar reports in the future that examine patient experiences over time.

The CAHPS PCMH Adult Data Summary Report is an informational tool only. Findings were calculated by VCHIP following NCQA specifications. They do not represent official NCQA results. No part of this document may be reproduced or distributed beyond the practice without written authorization from VCHIP. If you have any questions about your practice's involvement in the data collection process, please contact VCHIP's Program Evaluator, Julianne Krulewitz, Ph.D., at (802) 656-8371 or via email at Julianne.Krulewitz@uvm.edu.



Methods & Procedures

Practice Selection

In February 2012, VCHIP contacted the Vermont Blueprint for Health's Project Managers to determine the number of practices interested in using its CAHPS PCMH survey vendor services. VCHIP extended the offer until mid-May 2012 to all practices participating, or interested in participating, in the Vermont Blueprint for Health. Forty-eight practices approached by the Project Managers selected VCHIP as their CAHPS PCMH survey vendor. Forty of these practices had large enough adult patient populations to conduct random sampling (see "Sampling Protocol"). These practices were eligible to participate in the adult data collection process while the remaining eight practices had only their pediatric populations surveyed (using the CAHPS PCMH Child Survey - data not discussed in this report).

Clinician Eligibility

Physicians, nurse practitioners (NP's), physician assistants (PA's), and advanced practice registered nurses (APRN's) were eligible to have their patient panel surveyed. Clinicians had to practice in internal, family, or pediatric medicine and have an active, unrestricted medical license. Specialists, NP's, PA's, and APRN's who did not serve as primary care providers were ineligible.

Patient Eligibility

Patients had to fulfill all of the following eligibility criteria to be included in the evaluation:

- 1. Aged 18 years or older as of the last day of the measurement period.
- 2. At least one visit with an eligible practice clinician during the measurement period.

The measurement period was the 12-month timeframe from which the practice generated the list of all eligible patients. NCQA granted four practices a protocol exemption to produce the list of eligible patients during a seven-month span due to these practices' newly implemented electronic health record systems The measurement period for your practice was:

Year 1: May 1, 2011 - April 30, 2012

Sampling Protocol

Practices provided VCHIP with an Eligible Population Data File containing the names and addresses of all patients seen by eligible clinicians during the measurement period. If a patient saw more than one clinician during the measurement period, the most recent clinician/office visit was selected. A random sample was drawn from the Eligible Population Data File based on NCQA's sample size calculations (Table 1).

Deduplication: Only one adult per household was included in the sample. The adult population was deduplicated using the patient's mailing address.

Table 1. Survey Sample Sizes

Number of Clinicians in Each Practice	Required Sample Size
1	128
2-3	171
4-9	343
10-13	429
14-19	500
20-28	643
29 or more	685

Supplemental Questions

The standard CAHPS PCMH Adult Survey contains 52 questions. NCQA permitted vendors to insert additional questions provided that the questions did not significantly interfere with the standardized layout and validity of the survey. At the request of the Vermont Blueprint for Health, VCHIP added two questions measuring chronic health conditions and specialist care in adults.



Survey Administration

Surveys were administered by mail with an internet-response option. Patients were mailed a cover letter, the CAHPS PCMH Adult Survey, and a prepaid business reply envelope. The cover letter, printed on practice-specific letterhead and signed (facsimile) by a practice representative, was written as though it came directly from the practice. No incentives were used.

Mail: Two mailing waves occurred during data collection:

Year 1 — First Wave: July 2, 2012 Second Wave: July 23, 2012

Respondents who mailed or completed the survey online prior to the second wave did not receive the second

mailing.

Internet: Respondents completing the survey online did so through an electronic data capture system hosted at the

University of Vermont. REDCap (Research Electronic Data Capture) is a secure, web-based application designed to support data capture for research studies. Respondents were instructed to complete the survey via the REDCap

system and submit the survey electronically.

Data Management

Surveys returned by mail were scanned into an electronic database using Cardiff TeleForm software (Cardiff TeleForm Desktop, Version 10.0, 2011, Verity Inc.). For quality assurance purposes, at least one out of every 20 surveys scanned was validated with the original paper survey. Processing of the scanned surveys occurred with 99.8% accuracy. The 0.2% error rate was largely due to respondents marking answers outside of the data capture zones (i.e. responses checked outside of the designated boxes). The REDCap and mail-based electronic databases were merged for analysis.

General Analysis & Coding

Frequencies and descriptives presented in this report were generated using IBM SPSS Statistics, Version 20.0 (SPSS Inc., Chicago, IL). Returned surveys were coded as complete and valid if the patient reported seeing the clinician in the past 12 months and answered at least one additional item on the questionnaire. Surveys were ineligible if they contained evidence the patient did not see the listed clinician in the past 12 months or did not meet the age criteria. The ineligible classification also was applied to surveys sent to those who were deceased or who could not complete the surveys due to language barriers. Only complete and valid surveys were used in this report's primary analyses. Response rates were calculated by dividing the complete and valid surveys by the total mailing sample (at the practice- or state-level, minus the ineligible patients).

If a patient returned two surveys, only data from the first survey received was analyzed. Missing responses, multiple marks (when not instructed), and inappropriately answered questions were excluded from the result calculations. Inappropriately answered questions were defined as cases when respondents answered items when instructed to skip them based on their response to a previous question. Questions were also coded as inappropriately answered when patients provided answers to questions within a skip pattern after inappropriately skipping or providing multiple marks to the initial gate question. Surveys with evidence a proxy completed or assisted the patient in completing the survey were included in the analyses.

Some question responses were combined from the original response sets to maximize the differences between relative groups. Patient age (years) was calculated from the patient's date of birth (acquired from the practice) and grouped into five categories: "18 to 34;" "35 to 44;" "45 to 54;" "55 to 64; and "65 and older." Patient race was grouped into "White" and "Other," with the "Other" category representing those who identified themselves as being "African American," "Asian," "Pacific Islander," "American Indian/Alaska Native," "Other," or multiracial (i.e. more than one response selected). Responses of "5 to 9" and "10 or more times" for the question examining the number of times the patient saw the listed provider during the

St. Joseph's 7, UHC Campus, 1 South Prospect Street, Burlington, Vermont 05401 802 656 8210 TEL 802 656 8368 FAX

measurement period were combined into "5 or more times." For questions with "Never," "Sometimes," "Usually," and "Always" response choices, "Never" and "Sometimes" responses were combined. This was done since several studies utilizing the CAHPS surveys showed that respondents rarely picked the "Never" response option.

Composite Results

Composite results are presented in graphical format to facilitate aggregation of information from multiple questions. The composites summarize six areas of measurement (specified by NCQA): Self-Management Support, Access to Care, Communication, Shared Decision-Making, Comprehensiveness (Adult Behavior), and Office Staff. Results from each question used in the composite calculations are located in tables immediately below the figures.

The methods used to calculate the composite proportions were as follows:

- Step 1: The number of respondents who responded to each response choice was totaled. Response choices of "Never" and "Sometimes" were combined. For Shared Decision Making, "Yes" and "A lot" and then "No" and Not at all" were combined.
- Step 2: The proportion for each response choice (or combination) was calculated. Missing data were not included in the calculation.
- Step 3: The average proportion responding to each choice across all questions in the specified composite was generated.

The CAHPS PCMH Adult Survey also measured patient experiences in the areas of Information and Coordination of Care. NCQA currently does not recommend survey vendors create composite results for these measures. Only the results from the individual questions assessing Information and Coordination of Care are presented.



Results

Response Rate

Table 2 displays the total number of surveys mailed and response rates for the eligible respondents.

Table 2. Response Rate	Year 1 (2012)					
Table 2. Response hate	Practice	Vermont				
Number of Surveys Mailed	128	11813				
Number of Eligible Respondents	48	3825				
Number of Ineligible Respondents	0	168				
Response Rate	37.5%	32.8%				

Eligible Respondent Characteristics

Table 3 shows the demographics, visit information, and health information for the eligible respondents.

Table 3. Eligible Respondent Characteristics			Year 1 (2012)					
Table 3. Eligible Respondent	Characteristics	Pr	actice	Vei	Vermont			
Measure	Responses	n	%	n	%			
Age as of the last day of the measurement	18 to 34	7	14.6%	435	11.4%			
period (years)	35 to 44	13	27.1%	342	8.9%			
	45 to 54	11	22.9%	626	16.4%			
	55 to 64	10	20.8%	975	25.5%			
	65 or older	7	14.6%	1447	37.8%			
Gender	Male	9	18.8%	1506	39.4%			
	Female	39	81.3%	2319	60.6%			
Race	White	44	95.7%	3494	95.3%			
	Other	2	4.3%	174	4.7%			
Ethnicity	Hispanic or Latino	1	2.2%	34	1.0%			
	Not Hispanic or Latino	45	97.8%	3531	99.0%			
Education	8th grade or less	0	0.0%	103	2.8%			
	Some high school, but did not graduate	0	0.0%	171	4.7%			
	High school graduate or GED	9	19.6%	1097	29.9%			
	Some college or 2-year degree	12	26.1%	996	27.1%			
	4-year college graduate	10	21.7%	557	15.2%			
	More than 4-year college degree	15	32.6%	751	20.4%			
Patient-reported visits with the listed	1 visit	13	27.7%	970	26.4%			
provider during the measurement period	2 visits	13	27.7%	1016	27.7%			
	3 visits	13	27.7%	672	18.3%			
	4 visits	5	10.6%	431	11.8%			
	5 or more visits	3	6.4%	579	15.8%			
Overall health rating	Excellent	8	16.7%	563	15.0%			
J	Very good	19	39.6%	1371	36.4%			
	Good	18	37.5%	1331	35.4%			
	Fair	1	2.1%	414	11.0%			
	Poor	2	4.2%	86	2.3%			







Table 3. Continued		Year 1 (2012)				
		Pr	actice	Vermont		
Measure	Responses	n	%	n	%	
Overall mental or emotional health rating	Excellent	11	23.9%	932	24.7%	
	Very good	17	37.0%	1297	34.4%	
	Good	15	32.6%	1105	29.3%	
	Fair	3	6.5%	371	9.9%	
	Poor	0	0.0%	61	1.6%	
At least one chronic health condition	Yes	27	61.4%	2812	77.3%	
reported	No	17	38.6%	826	22.7%	

Self-Management Support

Figure 1 shows the composite results for the two questions measuring Self-Management Support (Table 4) in the CAHPS PCMH Adult Survey.

Figure 1. Composite Results for Self-Management Support (Adult)

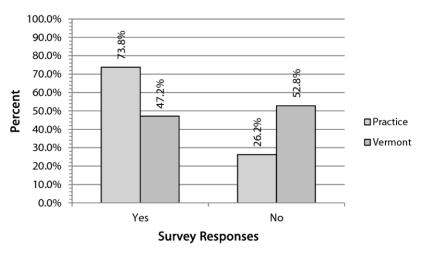


Table 4. Frequency of Responses for the Adult Items		Year 1 (2012)				
Measuring Self-Management Support		Practice		Vermont		
Question	Responses	n	%	n	%	
In the last 12 months, did anyone in this	Yes	38	80.9%	2085	57.8%	
provider's office talk with you about specific goals for your health?	No	9	19.1%	1520	42.2%	
In the last 12 months, did anyone in this	Yes	30	66.7%	1311	36.5%	
provider's office ask you if there are things that make it hard for you to take care of your health?	No	15	33.3%	2276	63.5%	



Access to Care

Figure 2 shows the composite results for the six questions measuring Access to Care (Table 5) in the CAHPS PCMH Adult Survey.

100.0% 90.0% 80.0% 67. 70.0% 60.0% 50.0% □ Practice 40.0% 26.1 ■Vermont 30.0% 20.0% 10.0% 0.0% Usually **Never or Sometimes** Always **Survey Responses**

Figure 2. Composite Results for Access to Care (Adult)

Table 5. Frequency of Responses for the Adult Items			Year 1	(2012)
Measuring Access to	Care	Pr	Practice		rmont
Question	Responses	n	%	n	%
In the last 12 months, when you phoned	Never or Sometimes	2	9.1%	194	9.9%
this provider's office to get an appointment	Usually	6	27.3%	506	25.9%
for care you needed right away, how often	Always	14	63.6%	1256	64.2%
did you get an appointment as soon as you					
needed?					
In the last 12 months, when you made an	Never or Sometimes	3	7.9%	176	6.0%
appointment for a check-up or routine care	Usually	6	15.8%	773	26.3%
with this provider, how often did you get	Always	29	76.3%	1989	67.7%
an appointment as soon as you needed?					
In the last 12 months, how often were you	Never or Sometimes	2	28.6%	280	51.8%
able to get the care you needed from this	Usually	2	28.6%	82	15.2%
provider's office during evenings,	Always	3	42.9%	179	33.1%
weekends, or holidays?					
In the last 12 months, when you phoned	Never or Sometimes	1	5.3%	221	11.7%
this provider's office during regular office	Usually	4	21.1%	550	29.1%
hours, how often did you get an answer to	Always	14	73.7%	1119	59.2%
your medical question that same day?					
In the last 12 months, when you phoned	Never or Sometimes	0	0.0%	52	20.7%
this provider's office during after office	Usually	2	25.0%	49	19.5%
hours, how often did you get an answer to	Always	6	75.0%	150	59.8%
your medical question as soon as you					
needed?					
Wait time includes time spent in the	Never or Sometimes	1	2.1%	724	19.9%
waiting room and exam room. In the last	Usually	12	25.5%	1484	40.8%
12 months, how often did you see this	Always	34	72.3%	1432	39.3%
provider within 15 minutes of your					
appointment time?					



Communication

Figure 3 shows the composite results for the six questions measuring Communication (Table 6) in the CAHPS PCMH Adult Survey.

87.1% 100.0% 90.0% 8 80.0% 70.0% 60.0% 50.0% ■ Practice 40.0% ■Vermont 30.0% 20.0% 10.0% 0.0% Usually **Never or Sometimes** Always

Survey Responses

Figure 3. Composite Results for Communication (Adult)

Table 6. Frequency of Responses for the Adult Items			Year 1	(2012)
Measuring Communi	cation	Practice		Ve	rmont
Question	Responses	n	%	n	%
In the last 12 months, how often did this	Never or Sometimes	1	2.1%	104	2.9%
provider explain things in a way that was	Usually	3	6.4%	475	13.0%
easy to understand?	Always	43	91.5%	3062	84.1%
In the last 12 months, how often did this	Never or Sometimes	1	2.1%	177	4.9%
provider listen carefully to you?	Usually	4	8.5%	401	11.0%
	Always	42	89.4%	3061	84.1%
In the last 12 months, how often did this	Never or Sometimes	1	2.3%	146	4.6%
provider give you easy to understand	Usually	4	9.1%	417	13.3%
information about your health questions or concerns?	Always	39	88.6%	2578	82.1%
In the last 12 months, how often did this	Never or Sometimes	1	2.1%	232	6.4%
provider seem to know the important	Usually	13	27.7%	787	21.7%
information about your medical history?	Always	33	70.2%	2606	71.9%
In the last 12 months, how often did this	Never or Sometimes	2	4.3%	138	3.8%
provider show respect for what you had to	Usually	1	2.1%	314	8.6%
say?	Always	44	93.6%	3193	87.6%
In the last 12 months, how often did this	Never or Sometimes	1	2.1%	168	4.6%
provider spend enough time with you?	Usually	4	8.5%	597	16.4%
	Always	42	89.4%	2869	78.9%



Shared Decision-Making

Figure 4 shows the composite results for the three questions measuring Shared Decision-Making (Table 7) in the CAHPS PCMH Adult Survey. "Not at all" and "No" and then "A lot' and "Yes" responses were combined during the calculations for the composite results. For presentation purposes, these grouped variables are represented as "Not at all" or "A lot" in the figure below.

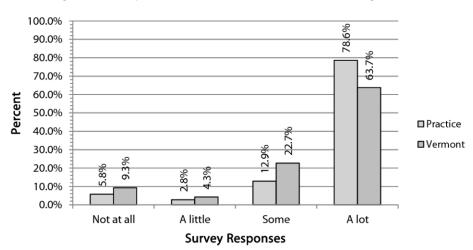


Figure 4. Composite Results for Shared Decision-Making (Adult)

Table 7. Frequency of Responses for the Adult Items		Year 1 (2012)					
Measuring Shared Decisi	Measuring Shared Decision-Making		Practice		rmont		
Question	Responses	n	%	n	%		
When you talked about starting or	Not at all	0	0.0%	24	1.3%		
stopping a prescription medicine, how	A little	2	8.3%	83	4.6%		
much did this provider talk about the	Some	3	12.5%	553	30.3%		
reasons you might want to take a medicine?	A lot	19	79.2%	1163	63.8%		
When you talked about starting or	Not at all	2	8.7%	197	10.9%		
stopping a prescription medicine, how	A little	0	0.0%	149	8.2%		
much did this provider talk about the	Some	6	26.1%	682	37.7%		
reasons you might not want to take a medicine?	A lot	15	65.2%	780	43.1%		
When you talked about starting or	Yes	21	91.3%	1518	84.2%		
stopping a prescription medicine, did this provider ask you what you thought was best for you?	No	2	8.7%	284	15.8%		



Comprehensiveness (Adult Behavior)

Figure 5 displays the composite results for the three questions measuring Comprehensiveness (Adult Behavior; Table 8) in the CAHPS PCMH Adult Survey.

100.0% %9'82 90.0% 80.0% 70.0% 52.7% 47.3% 60.0% 50.0% ■ Practice 40.0% 21.4% ■ Vermont 30.0% 20.0% 10.0% 0.0% Yes No

Survey Responses

Figure 5. Composite Results for Comprehensiveness (Adult Behavior)

Table 8. Frequency of Responses for the Adult Items			Year 1	(2012)
Measuring Comprehensiveness (Adult Behavior)		Practice		Ve	rmont
Question	Responses	n	%	n	%
In the last 12 months, did anyone in this provider's office ask you if there was a period of time when you felt sad, empty, or depressed?	Yes No	36 10	78.3% 21.7%	1809 1796	50.2% 49.8%
In the last 12 months, did you and anyone in this provider's office talk about things in your life that worry you or cause you stress?	Yes No	40 7	85.1% 14.9%	1935 1679	
In the last 12 months, did you and anyone in this provider's office talk about a personal problem, family problem, alcohol use, drug use, or a mental or emotional illness?	Yes No	34 13	72.3% 27.7%	1374 2237	



Office Staff

Figure 6 displays the composite results for the two questions measuring Office Staff (Table 9) in the CAHPS PCMH Adult Survey.

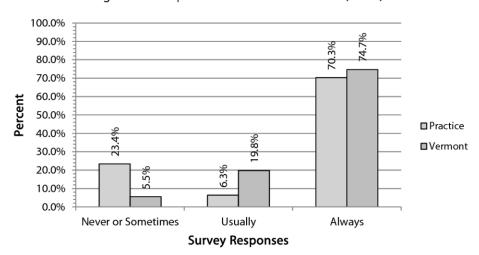


Figure 6. Composite Results for Office Staff (Adult)

Table 9. Frequency of Responses for the Adult Items		Year 1 (2012)				
Measuring Office Staff		Pr	actice	Vermont		
Question	Responses	n	%	n	%	
In the last 12 months, how often were	Never or Sometimes	6	25.0%	257	7.1%	
clerks and receptionists at this provider's	Usually	2	8.3%	920	25.6%	
office as helpful as you thought they should be?	Always	16	66.7%	2418	67.3%	
In the last 12 months, how often did clerks	Never or Sometimes	5	21.7%	142	3.9%	
and receptionists at this provider's office	Usually	1	4.3%	501	13.9%	
treat you with courtesy and respect?	Always	17	73.9%	2952	82.1%	

Information

NCQA does not currently recommend calculating composite scores for the questions measuring Information. Table 10 displays the results for the two questions assessing this measure.

Table 10. Frequency of Responses for the Adult Items		Year 1 (2012)			
Measuring Informa	Measuring Information		actice	Ve	rmont
Question	Responses	n	%	n	%
Did this provider's office give you	Yes	45	95.7%	2640	73.7%
information about what to do if you needed care during evenings, weekends, or holidays?	No	2	4.3%	943	26.3%
Some offices remind patients between	Yes	30	65.2%	2309	64.0%
visits about tests, treatment or appointments. In the last 12 months, did you get any reminders from this provider's office between visits?	No	16	34.8%	1298	36.0%



Coordination of Care

NCQA does not currently recommend calculating composite scores for the questions measuring Coordination of Care. Table 11 displays the results for the three questions assessing this measure.

Table 11. Frequency of Responses for the Adult Items Measuring Coordination of Care		Year 1 (2012)			
		Practice		Vermont	
Question	Responses	n	%	n	%
In the last 12 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?	Never or Sometimes	1	2.6%	287	10.0%
	Usually	6	15.4%	406	14.2%
	Always	32	82.1%	2172	75.8%
In the last 12 months, how often did the provider seem informed and up-to-date about the care you got from specialists?	Never or Sometimes	2	6.5%	292	14.6%
	Usually	8	25.8%	550	27.5%
	Always	21	67.7%	1157	57.9%
In the last 12 months, did you and anyone in this provider's office talk at each visit about all the prescription medicines you were taking?	Yes	31	83.8%	2689	86.7%
	No	6	16.2%	414	13.3%