

2012

HEALTH CARE DISPARITIES REPORT

for Minnesota Health Care Programs



Comparing Medical Group and Clinic Performance for Public and Private Purchasers Using Health Plan and Clinic Site Data



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Minnesota Department of **Human Services**

2012 Health Care Disparities Report for Minnesota Health Care Programs

(For care delivered in 2011)

Report Preparation Directed By:

Anne M. Snowden, MPH, CPHQ

Director of Performance Measurement, Analysis & Reporting, MNCM

Key Contributors:

Angeline Carlson, PhD

Director of Research, Data Intelligence Consultants

Karen Schirle

Director, Performance Measurement and Quality Improvement, DHS

James A. McRae, PhD

Senior Research Scientist, DHS

Erika Vetta, MPH

Project Manager & Data Analyst, MNCM

Rachel Mlodzik, MPH

Project Coordinator, MNCM

Ma Xiong, MPH

Project Coordinator, MNCM

Direct questions or comments to:

Anne M. Snowden

(612) 454-4811

snowden@mncm.org

Karen Schirle

(651) 431-2612

karen.schirle@state.mn.us



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2012
Health Care Disparities Report
for Minnesota Health Care Programs

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Executive Summary

The 2012 Health Care Disparities Report for Minnesota Health Care Programs (MHCP) reports health care performance rates for patients enrolled in the managed care component of these programs. MHCP includes Medical Assistance and MinnesotaCare, which are both funded by state and federal governments and administered by health plans.

The report also explores the differences in performance rates between patients enrolled in MHCP and patients enrolled with managed care programs of Other Purchasers (private, employer-based health care insurance or Medicare programs) at a statewide and medical group level. For six measures (Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening), it compares data at the clinic level.

Compared with the overall population in Minnesota, patients enrolled in MHCP represent a population with lower socioeconomic status, as well as a disproportionate number of persons of color, American Indians, persons with disabilities, and elders. In addition to lower socioeconomic status, these patients often experience significant personal challenges that create barriers to

receiving appropriate health care. In many cases, the structure of the health care system prevents them from receiving appropriate care. As a result, MHCP patients may not receive care that meets best practices as often as patients enrolled with Other Purchasers^{1,9,10}.

The Minnesota Department of Human Services (DHS) selected the 13 measures in this report based on their relevance to patients enrolled in MHCP:

- Optimal Diabetes Care
- Optimal Vascular Care
- Controlling High Blood Pressure
- Optimal Asthma Care - Children Ages 5-17
- Optimal Asthma Care - Adults Ages 18-50
- Depression Remission at Six Months
- Appropriate Treatment for Children with Upper Respiratory Infection
- Appropriate Testing for Children with Pharyngitis
- Breast Cancer Screening
- Cervical Cancer Screening
- Colorectal Cancer Screening
- Chlamydia Screening in Women
- Childhood Immunization Status (Combo 3)

Key Findings

- Nine of 13 statewide measures have improved since last year (See Table 1).
- Of the eight measures that have three or more years of data, all eight have improved since their first year of measurement for MHCP patients (See Table 1).
- This year, 11 of the 13 statewide performance rates for MHCP patients were significantly lower than for patients enrolled with Other Purchasers. Two measures – Appropriate Treatment for Children with URI and Chlamydia Screening – showed a significantly higher performance rate for MHCP patients than for patients enrolled with Other Purchasers (See Table 2).
- The largest gaps between MHCP and Other Purchasers occurred in three measures (See Table 2):
 - o Colorectal Cancer Screening measure (a 20 percentage point difference)
 - o Optimal Vascular Care (a 19 percentage points difference)
 - o Optimal Diabetes Care (a 15 percentage point difference)

Executive Summary

- On a positive note, statewide gaps in performance rates between MHCP and Other Purchasers have narrowed over time for five measures; three of these changes were statistically significant:
 - Optimal Asthma Care - Children Ages 5-17 (over 2 years)
 - Appropriate Testing for Children with Pharyngitis (over 7 years)
 - Breast Cancer Screening (over 9 years)
 - Cervical Cancer Screening (over 9 years)
 - Childhood Immunization Status (Combo 3) (over 7 years)
- Although statewide gaps in performance rates between MHCP and Other Purchasers have widened over time for six measures, the change has not been statistically significant:
 - Optimal Diabetes Care (over 2 years)
 - Controlling High Blood Pressure (over 6 years)
 - Optimal Asthma Care - Adults Ages 18-50 (over 2 years)
 - Appropriate Treatment for Children with URI (over 7 years)
 - Colorectal Cancer Screening (over 2 years)
 - Chlamydia Screening (over 4 years)
- Between 2011 and 2012, the MHCP statewide rate increased for nine measures, and decreased for three measures (See Table 1).
- For one measure, Optimal Vascular Care, we were unable to make rate comparisons to previous years because the measure specifications changed to align with emerging evidence-based guidelines.
- For 10 of 13 measures, some medical groups and clinics had performance rate gaps between purchasers of less than 1 percentage point, indicating little or no difference between purchasers.
- Differences exist between racial groups within the MHCP patient population for the seven Health Effectiveness Data Information Set (HEDIS) measures.*
 - Controlling High Blood Pressure – Whites have the highest rate of controlling high blood pressure, followed by Asians[†]. As was true last year, Blacks/African Americans have a performance rate significantly below the statewide MHCP rate. They also had a significantly lower rate compared to the Asians and Whites.
 - Appropriate Treatment for Children with Upper Respiratory Infection – As was true last year, Blacks/African Americans have the highest rate of receiving appropriate treatment for children with URI and have a significantly higher rate than the statewide MHCP rate. Whites have the lowest rate and are the only group with a performance rate significantly below the statewide MHCP rate.
 - Appropriate Testing for Children with Pharyngitis – Blacks/African Americans continue to have the highest rate of receiving appropriate testing for children with pharyngitis, followed by multi-racial patients. Blacks/African Americans have a rate significantly above the statewide MHCP rate. Asians have the lowest rate.

*Race and ethnicity data for some measures are not yet submitted by all clinics in a standard form or using best practices to collect this information from patients. Several measures could not be reported by race and Hispanic ethnicity; these include Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening. As more clinics submit these data elements and the data are validated, MNMCM will be able to report these measures by race and Hispanic ethnicity.

[†]The Asian racial category includes Pacific Islanders and Native Hawaiians. [‡]The American Indian racial category includes Alaskan Natives.

Executive Summary

- Breast Cancer Screening – Asians have the highest rate of breast cancer screening; American Indians[†] continue to have the lowest rate, and, along with Blacks/African Americans, have a significantly lower rate than the statewide MHCP rate.
 - Cervical Cancer Screening – Multi-racial patients have the highest rates of cervical cancer screening, followed by Blacks/African Americans; both groups have a performance rate significantly above the statewide MHCP rate. American Indians have the lowest rate of cervical cancer screening and this group along with Whites are the only racial group with a rate significantly lower than the statewide MHCP rate.
 - Chlamydia Screening in Women - Blacks/African Americans have the highest rate of chlamydia screening and this racial group, along with Multi-racial patients and Asians, have a performance rate significantly above the statewide MHCP rate. Whites have the lowest rate, which is also significantly below the statewide MHCP rate.
 - Childhood Immunization Status (Combo 3) – As has been true over time, Whites have the highest childhood immunization rate. American Indians continue to have the lowest rate.
- Differences exist between Hispanic and Non-Hispanic patients within the MHCP patient population for six of the seven HEDIS measures.
 - Hispanic patients have higher performance rates compared to Non-Hispanic patients for four measures – Controlling High Blood Pressure, Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization Status.
 - Non-Hispanic patients have higher performance rates for two measures – Appropriate Treatment for Children with URI and Appropriate Testing for Children with Pharyngitis.

The Minnesota Department of Human Services and MN Community Measurement are committed to continuing our partnership to publicly report this information. Public reporting has been shown to stimulate improvements, particularly when health care performance rates are reported at a medical group or clinic level, where more accountability lies and actions to address disparities are possible^{9,10}. To make improvements, medical groups and clinics must examine their performance data, continually seek to understand the unique needs of their patients, and implement targeted interventions to address those needs.

For more information, contact Anne Snowden, MN Community Measurement, at snowden@mncm.org or Karen Schirle, Minnesota Department of Human Services at karen.schirle@state.mn.us.

Introduction

A laudable goal for the U.S. health care system would be quality care for all patients. And yet a large body of literature documents widespread disparities in the delivery of health care across the country. Specifically, research shows that health care quality, costs and patient outcomes vary by many factors, including where patients live, which doctors or clinics provide their health care, and their racial/ethnic status.

There is growing evidence to show that low-income patients face barriers to obtaining high-quality health care. For some quality indicators, the gaps between groups defined by socioeconomic status and by race or ethnicity have actually increased⁸. Health care providers at all levels (clinics, medical groups, and health systems) should examine health care performance data stratified by insurance status, race and ethnicity, and socioeconomic status to build a foundation for understanding and reducing disparities.^{2,5,8}

One way to improve accountability for health care outcomes is to establish a basis for ongoing measurement. Numerous reports highlight health care quality measures at national and state levels from organizations such as the National Committee for Quality Assurance (NCQA) and, more recently, the Agency for Healthcare Research and Quality (AHRQ). Included in these reports are analyses of populations showing significant disparities. However, despite decades of reporting, while health care quality in general has improved, access to high-quality care continues to be problematic for many, and disparities based on factors such as socioeconomic status persist.

This is due, in part, to the fact that data at the national level do not offer the detailed information necessary for health systems or providers to recognize and address disparities within their own systems. The lack of adequate data at a local level has been identified as a key barrier to recognizing and acknowledging that patient populations within the same medical group/clinic may not be attaining the same rates of optimal care.⁴ Health care personnel working daily within a medical group often have the best understanding of patients and system processes that will offer opportunities for improvement.⁴ Motivation to improve can be driven by public reporting that places a priority on medical group and/or clinic level results and comparison to peers.

In 2005, the Minnesota Legislature directed the Minnesota Department of Human Services (DHS) to establish a performance reporting and quality improvement system for medical groups and clinics that provide health care services for patients enrolled in the managed care component of Minnesota Health Care Programs (MHCP). These patients represent a population considered at risk due to low socioeconomic status, as well as a disproportionate share of persons of color and American Indians, persons with disabilities, and elders.

The *2012 Health Care Disparities Report for Minnesota Health Care Programs* (reporting on health care delivered in 2011) is the sixth such report produced by MN Community Measurement (MNCM) in collaboration with DHS to report health care performance rates for patients enrolled in MHCP. In addition, differences in health care performance rates between patients enrolled in MHCP and those covered by Other Purchasers (private, employer-sponsored health care insurance, or Medicare programs) are presented at statewide, medical group and, for some measures, clinic levels. All patients whose health care is reviewed in this report, both those covered by MHCP and by Other Purchasers, are enrolled in managed care programs.

A clinic is defined as a practice site location where primary care or specialty care ambulatory services are provided for a fee by one or more physicians. Medical groups are defined as one or more clinics that have common ownership. MHCP are state/federal funded programs, including Medical Assistance and MinnesotaCare, for both managed care and fee for service patients. In this report, only managed care patient results are included.

Introduction

This 2012 Health Care Disparities Report includes 13 measures selected by DHS based on their relevance to patients enrolled in MHCP. Seven of the performance measures in this report were developed by the National Committee for Quality Assurance (NCQA) and are known as Healthcare Effectiveness Data and Information Set (HEDIS) measures. HEDIS is a national set of standardized performance measures originally designed for the managed care industry and adapted by MNMCM. HEDIS data originate from health plan claims databases and may be supplemented with medical record reviews for some measures. For more information on methods, see Appendix 2.

Six of the performance measures in this report were developed by MNMCM – Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening. Data for these measures originate directly from medical groups and are referred to as Direct Data Submission (DDS) measures. DDS results are subject to a rigorous validation process by MNMCM. DDS performance rates are reported at a clinic level. All performance measures included in this report have been endorsed by the National Quality Forum (NQF) and are aligned with clinical guidelines established by Minnesota’s Institute for Clinical Systems Improvement (ICSI).

Measures are categorized based on health care emphasis. Some measures assess how well providers care for patients with chronic conditions and are referred to as “Living with Illness” measures. “Getting Better” measures are those that reflect how well providers care for patients with common acute illnesses. A third category, “Staying Healthy,” includes measures that reflect how well providers keep individuals healthy or identify disease at an early stage, when it can be treated most effectively.

Additionally, we report MHCP performance rates by race and Hispanic ethnicity at the statewide level using patient-reported data collected by DHS when individuals enroll in MHCP. Results show differences in performance rates between MHCP patients of different races and ethnicities.

Before this report became available, national and state level reports of differences in care were either dismissed as primarily due to patient factors and issues outside of medical group control or because of the perception that disparities existed elsewhere, e.g., in other medical groups or health systems, “but not in my medical group.” This report supplies objective data and brings accountability to medical groups and clinics, allowing them to reflect on their own disparities and identify areas for improvement within their systems.

Results at a Glance

MHCP Statewide Rate Comparisons to Previous Years

Table 1 displays the MHCP statewide results for report year 2012, reflecting 2011 dates of service, and compares these results to previous years. The measures with the highest MHCP rates were Appropriate Treatment for Children with URI (87.9%) and Appropriate Testing for Children with Pharyngitis (86.8%). The measure with the lowest MHCP rate was Depression Remission at Six Months (3.7%).

Four of the 13 statewide measures showed statistically significant improvements from report year 2011. Optimal Asthma Care - Children Ages 5-17 and Optimal Asthma Care - Adults Ages 18-50 had the largest gains. The large increase is due to more clinics implementing a valid asthma control tool, documenting hospitalizations and emergency department visits, and completing asthma management plans. Colorectal Cancer Screening and Appropriate Testing for Children with Pharyngitis also achieved a significant increase in performance. While not a statistically significant gain, Childhood Immunization Status and Chlamydia Screening had greater than a one percentage point increase. Two measures showed a significant decline from 2011 - Appropriate Treatment for Children with URI and Cervical Cancer Screening. Optimal Vascular Care could not be compared to previous years because measure specifications changed in 2012.

Measures that have been reported for at least six years continued to show large improvements over that time period. Cervical Cancer Screening has had the largest gain (28 percentage points) followed by Breast Cancer Screening (27 percentage points) and Childhood Immunization Status (25 percentage points). The changes for these measures were statistically significant. It continues to be important to monitor performance on these measures to ensure that long-term improvement is maintained.

Table 1: Summary of MHCP Statewide Rates for 2012 Report Year Compared with Previous Years

Quality Measure	2012 MHCP Statewide Average	MHCP Percentage Point Change Statewide (Report Year 2012-2011)	MHCP Percentage Point Change Over Time (Report Year 2012-First Year Reported)
“Living with Illness” measures			
Optimal Diabetes Care*	25.8%	1.4 ↓	1.4 ↓ (2 years)
Optimal Vascular Care*	34.4%	N/A	N/A
Controlling High Blood Pressure*	71.0%	0.8 ↑	9.7**↑ (6 years)
Optimal Asthma Care - Children Ages 5-17*	32.5%	14.6**↑	14.6 ↑ (2 years)
Optimal Asthma Care - Adult Ages 18-50*	23.2%	12.6**↑	12.6 ↑ (2 years)
“Getting Better” measures			
Depression Remission at Six Months	3.7%	0.2 ↑	0.6 ↑ (3 years)
Appropriate Treatment for Children with URI	87.9%	1.4**↓	1.5 ↑ (7 years)
Appropriate Testing for Children with Pharyngitis	86.8%	1.6**↑	15.2**↑ (7 years)
“Staying Healthy” measures			
Breast Cancer Screening (Mammograms)	60.8%	0.2 ↑	27.3**↑ (9 Years)
Cervical Cancer Screening (Pap test)	69.1%	1.5**↓	28.4**↑ (9 Years)
Colorectal Cancer Screening*	49.7%	2.3**↑	2.3** ↑ (2 years)
Chlamydia Screening in Women (Ages 16-24)	59.1%	1.6 ↑	3.0** ↑ (4 years)
Childhood Immunization Status (Combo 3) *	74.2%	3.1 ↑	25.0**↑ (7 Years)

*These statewide averages are calculated from weighted samples (see methods). ** Statistically significant difference (p<0.05)

↑ = MHCP performance rate has increased over time. ↓ = MHCP performance rate has decreased over time.

N/A= Not applicable. The measurement specifications changed so comparisons cannot be made to previous years.

Results at a Glance

Summary of Statewide Rate Gaps

Table 2 displays data at the statewide level showing differences in the achievement of health care best practices for patients enrolled in MHCP versus patients enrolled with Other Purchasers. We calculated rate gaps by subtracting the MHCP rate from the Other Purchasers rate. In the table, under “Rate Difference”, a positive difference means that the Other Purchasers rate was higher than the MHCP rate, and a negative difference means that the MHCP rate was higher than the Other Purchasers rate.

For 11 of the 13 measures, the statewide rate for Other Purchasers was higher than the statewide rate for MHCP. This means that physicians successfully achieved health care best practices when treating patients of Other Purchasers more often than they did in treating MHCP patients. Colorectal Cancer Screening had the widest gap between MHCP and Other Purchasers (20 percentage points), followed by Optimal Vascular Care (19 percentage points), and Optimal Diabetes Care (15 percentage points). Chlamydia Screening and Appropriate Treatment for Children with Upper Respiratory Infection had a higher MHCP rate than the rate for Other Purchasers.

For five of the measures, the statewide gap (Other Purchasers - MHCP) has narrowed over time, and the narrowing was statistically significant for Appropriate Testing for Children with Pharyngitis, Breast Cancer Screening, and Cervical Cancer Screening. For six measures the statewide gap (Other Purchasers - MHCP) widened over time, but the change was not statistically significant. The statewide gap over time for the Depression Remission at Six Months measure has remained stable.

Table 2: Summary of Statewide Rate Gaps

Quality Measure	2012 MHCP Statewide Average	2012 Other Purchasers Statewide Average	Rate Difference (2012) (Other purchasers - MHCP)	Rate Difference (Current Year vs. First Year) Over time (Other Purchasers - MHCP)
“Living with Illness” measures				
Optimal Diabetes Care*	25.8%	40.7%	14.9%**	Gap Widened (2011-2012)
Optimal Vascular Care*	34.4%	53.0%	18.6%**	N/A
Controlling High Blood Pressure*	71.0%	75.5%	4.5%**	Gap Widened (2007-2012)
Optimal Asthma Care - Children Ages 5-17*	32.5%	40.2%	7.7%**	Gap Narrowed (2011-2012)
Optimal Asthma Care - Adults Ages 18-50*	23.2%	33.9%	10.7%**	Gap Widened (2011-2012)
“Getting Better” measures				
Depression Remission at Six Months	3.7%	7.2%	3.5%**	Gap remained stable (2010-2012)
Appropriate Treatment for Children with URI	87.9%	86.3%	-2.9%**	Gap Widened (2006-2012)
Appropriate Testing for Children with Pharyngitis	86.8%	90.0%	3.2%**	Gap Narrowed** (2006-2012)
“Staying Healthy” measures				
Breast Cancer Screening	60.8%	73.3%	12.5%**	Gap Narrowed** (2004-2012)
Cervical Cancer Screening	69.1%	75.8%	6.7%**	Gap Narrowed ** (2004-2012)
Colorectal Cancer Screening*	49.7%	70.1%	20.4%**	Gap Widened (2011-2012)
Chlamydia Screening in Women (Ages 16-24)	59.1%	48.2%	-10.9%**	Gap Widened (2009-2012)
Childhood Immunization Status (Combo 3) *	74.2%	79.6%	5.4%**	Gap Narrowed (2006-2012)

* These statewide averages are weighted samples (see methods). ** Statistically significant difference (p<0.05).

N/A= Not applicable. The measurement specifications changed so comparisons cannot be made to previous years.

Results at a Glance

Analysis of Medical Group and Clinic-Level Purchaser Rate Gaps

For each measure, we conducted statistical analyses to assess whether gaps between purchasers were present within a medical group, and whether purchaser rate gaps at the medical group level were bigger or smaller than the state-wide purchaser rate gap. A detailed table of clinic-level (Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Ages 18-50, and Colorectal Cancer Screening) and medical group purchaser rate gaps and a summary of findings for each measure can be found in Appendix 5.

Please see next page.

Results by Measure

This section presents rates for each of the 13 measures selected by DHS for this report. Each measure is briefly described and then statewide results by purchaser are displayed, including trending results for MHCP and Other Purchasers. Next, we provide medical group performance highlights for MHCP patients including a list of medical groups who have high performance and those medical groups with the biggest improvements. For the Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening measures, clinic level performance highlights are also included. We also provide medical group performance over time and an analysis of medical group purchaser rate gaps.

Detailed medical group level data is presented in three appendices:

- Appendix 3: Clinic Level and Medical Group Performance Rate Tables
- Appendix 4: Medical Group Performance Over Time (3 years)
- Appendix 5: Purchaser Performance Rate Differences

“Living with Illness” measures

Optimal Diabetes Care

This measures the percentage of patients with diabetes (Type I and Type II) ages 18 - 75 who reached all five of the following treatment goals to reduce cardiovascular risk:

- Blood pressure less than 140/90 mmHg
- LDL-C less than 100 mg/dl
- Hemoglobin A1c (HBA1c) less than 8
- Documented tobacco-free status
- Daily aspirin use for patients with a co-morbidity of Ischemic Vascular Disease unless contraindicated

Medical groups and clinics submitted data directly to MNMCM for this measure based on electronic health records or paper-based medical charts (See Glossary).

MHCP patients had a significantly lower Optimal Diabetes Care rate than patients enrolled with Other Purchasers ($p < 0.05$). The statewide MHCP rate for Optimal Diabetes Care was 26 percent and the rate for Other Purchasers was 41 percent. This means that statewide, only 26 percent of patients enrolled in MHCP reached all five treatment goals while 41 percent of patients enrolled with Other Purchasers did so. Table 3.1 displays these statewide rates.

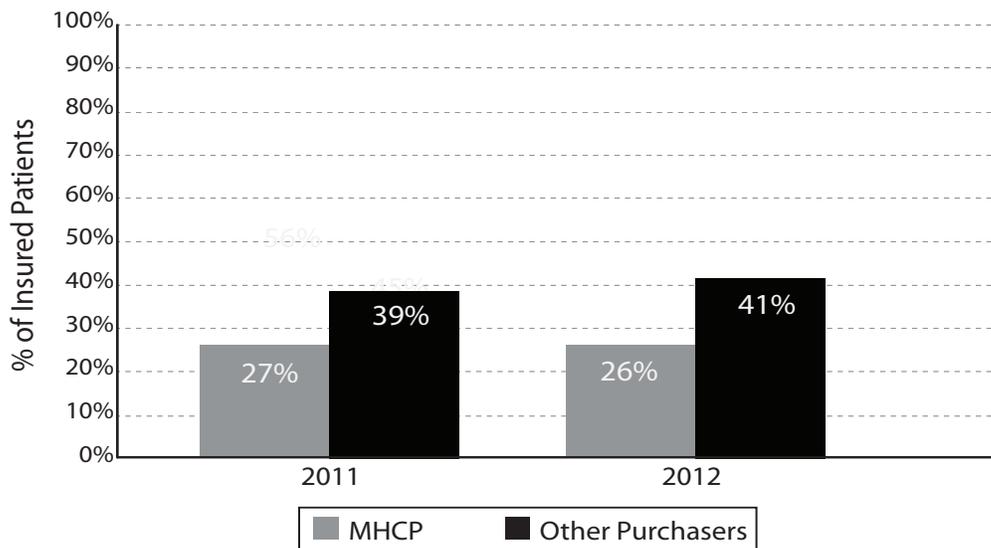
Table 3.1: Statewide weighted rates* for Optimal Diabetes Care

Purchasers	Statewide Weighted Rate*	95% CI**	Denominator (Patients Sampled)
MHCP	25.8%	25.2% - 26.5%	18,168
Other Purchasers	40.7%	40.4% - 40.9%	112,516

*The statewide weighted rate includes all patients eligible for the measures who were reported directly to MNMCM by medical groups and clinics from electronic health records or paper-based medical charts.
 **A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 3 displays the statewide rates over time. The rates at which this health care best practice was successfully achieved with patients of both purchasers have remained relatively stable since the first year of reporting in 2011. However, gaps between purchasers have been present for both 2011 and 2012.

Figure 3: Optimal Diabetes Care statewide rates over time



Clinic Performance Highlights

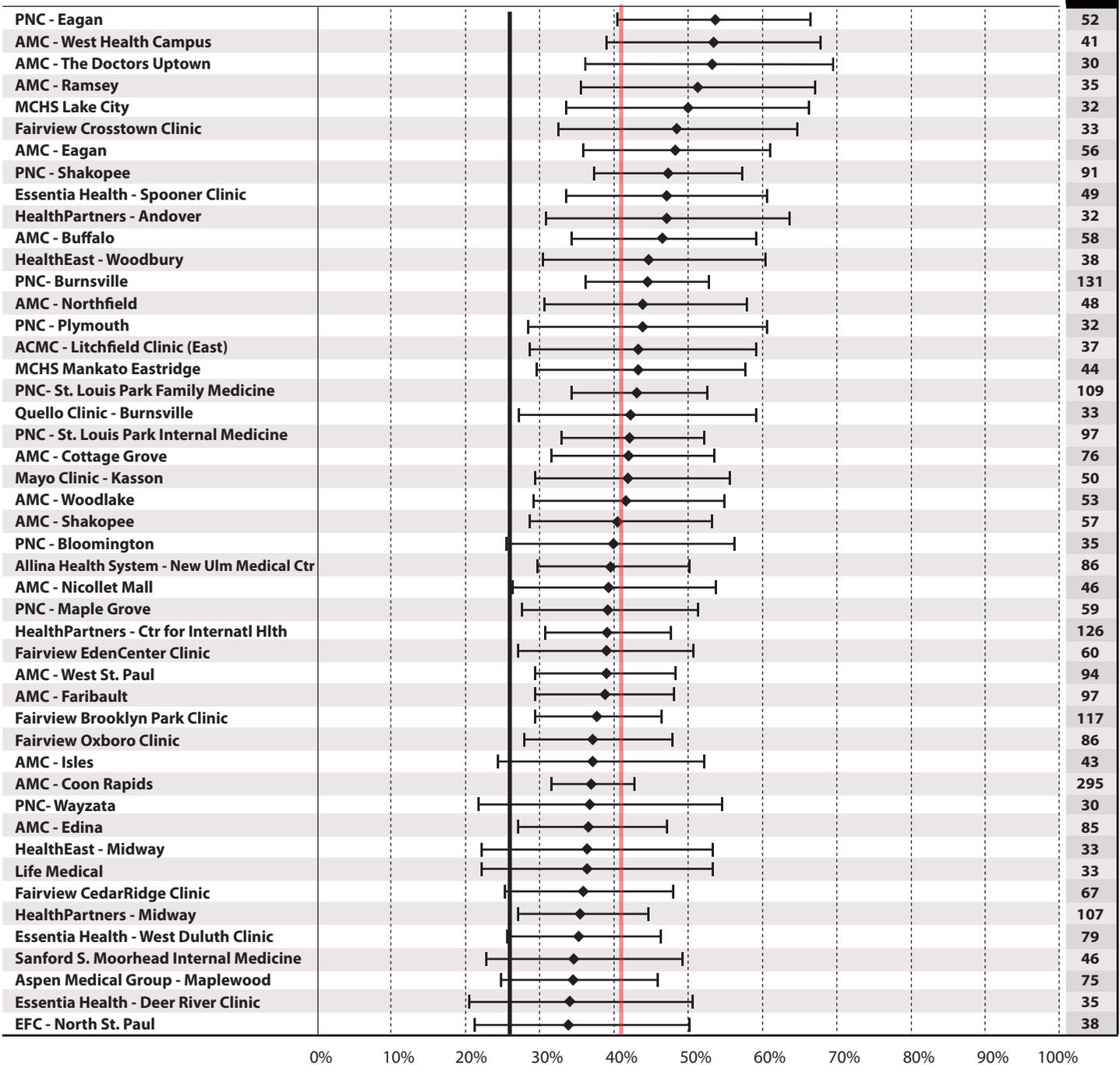
Chart 3.1 provides the MHCP Optimal Diabetes Care rate by clinic from highest to lowest. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 143 clinics are reportable for this measure because they had at least 30 patients that met the measurement specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 143 clinics account for 14,382 of the 18,168 MHCP patients (79 percent) who were eligible for this measure statewide. The 143 reportable clinics account for 34 percent of clinics providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which clinics were successful in achieving optimal diabetes care with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful clinic, **Park Nicollet Clinic - Eagan**, achieved optimal diabetes care with 54 percent of their MHCP patients, while the least successful, **Bluestone Physician Services**, did not achieve optimal diabetes care for any of its MHCP patients. Performance variation is not unique to MHCP and it indicates that some clinics are achieving best practice goals for more of their patients than other clinics are, which identifies room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

Chart 3.1: Optimal Diabetes Care Rates by Clinic

(Minnesota Health Care Programs with 30+ patients in denominator)

n*



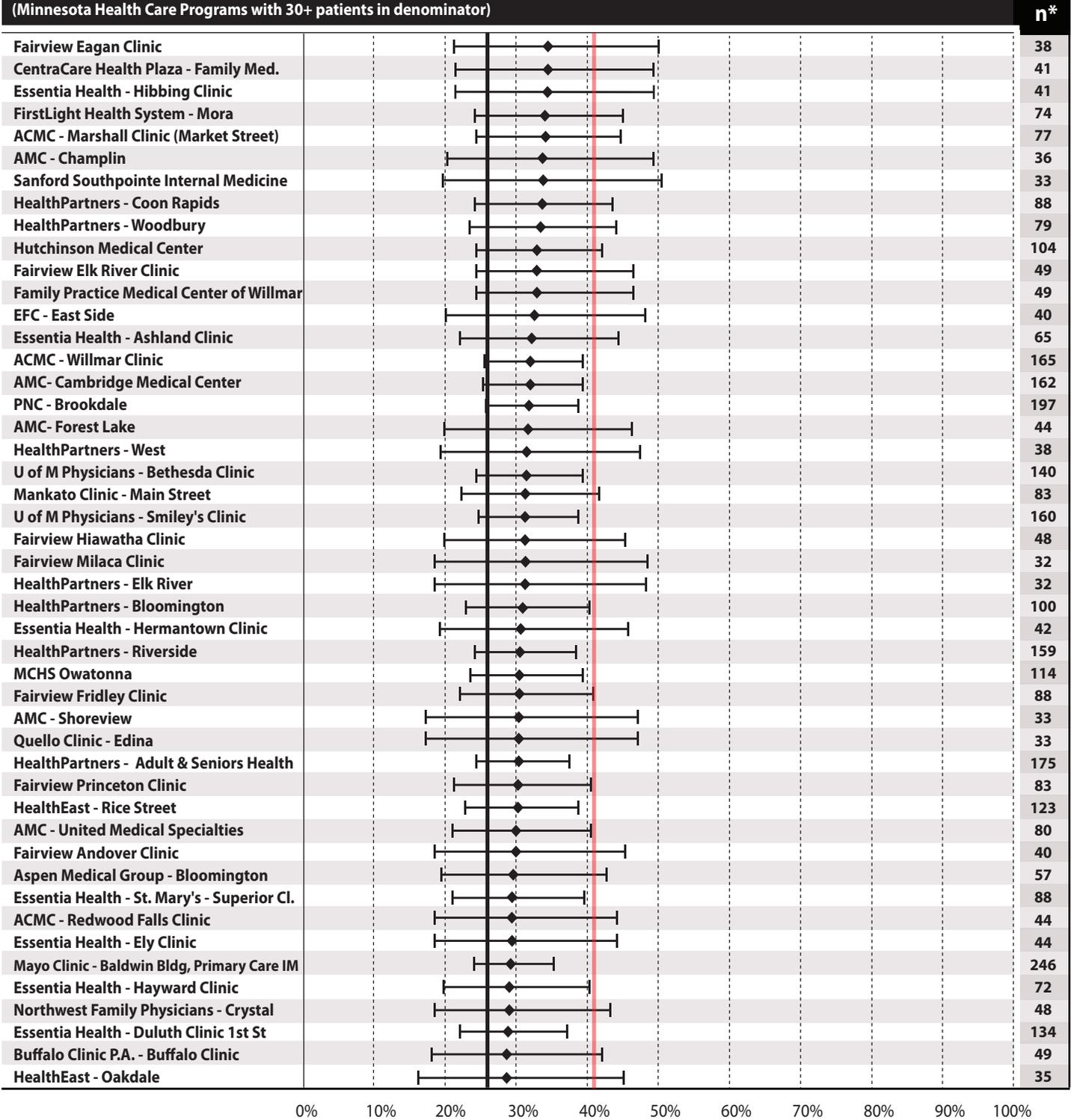
△ Endocrinology

MHCP Clinic Average 26%
Other Purchasers Clinic Average 41%

— 95% Confidence Interval n*= Sample Size

- ACMC - Affiliated Community Medical Centers
- AMC - Allina Medical Clinic
- EFC - Entira Family Clinics
- HP - HealthPartners
- MCHS - Mayo Clinic Health System
- NMC - North Memorial Clinic
- OMC - Olmsted Medical Center
- PNC - Park Nicollet Clinic

Chart 3.1: Optimal Diabetes Care Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



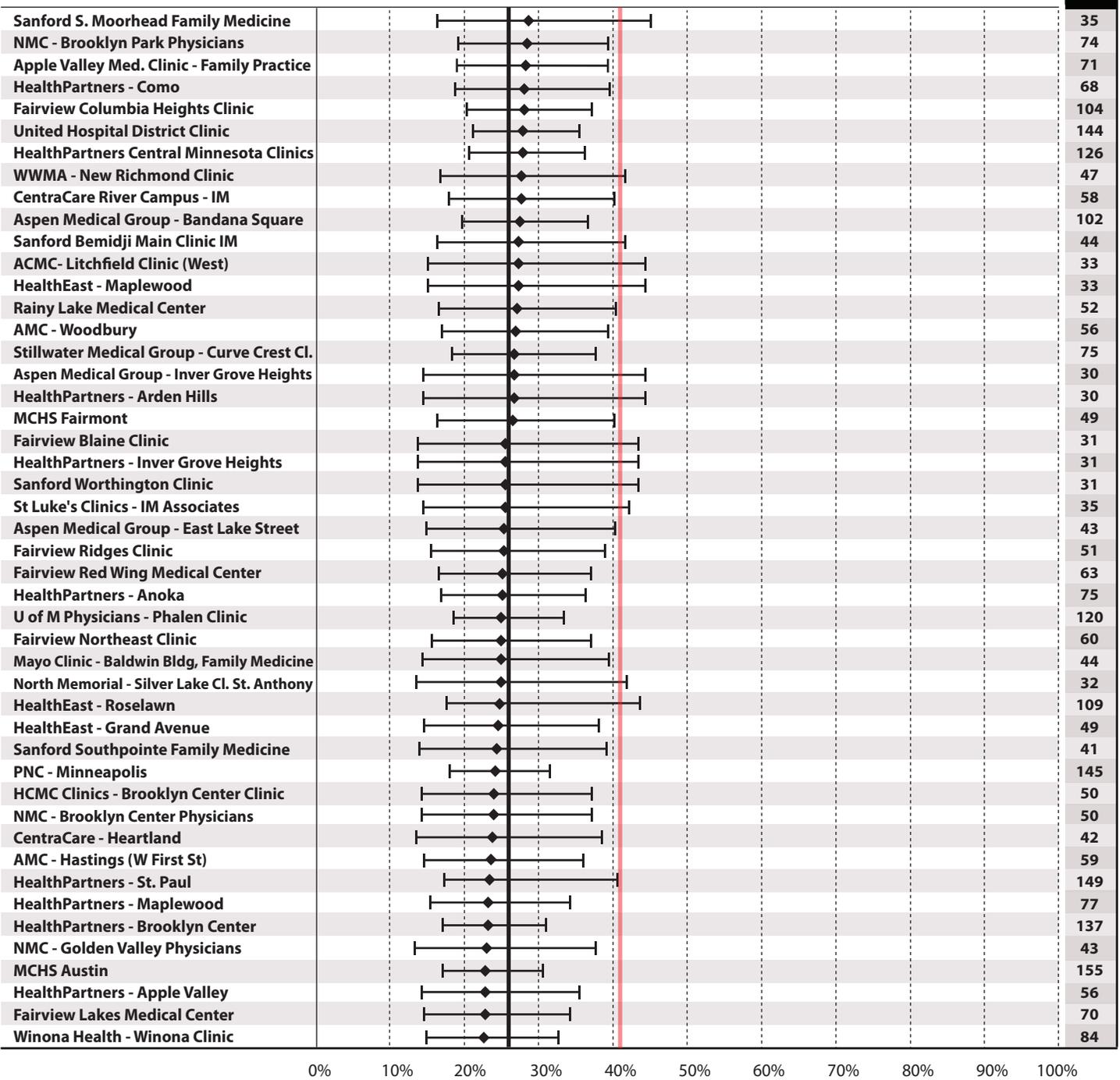
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Other Purchasers Clinic Average 41%

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- ACMC - Affiliated Community Medical Centers
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Chart 3.1: Optimal Diabetes Care Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



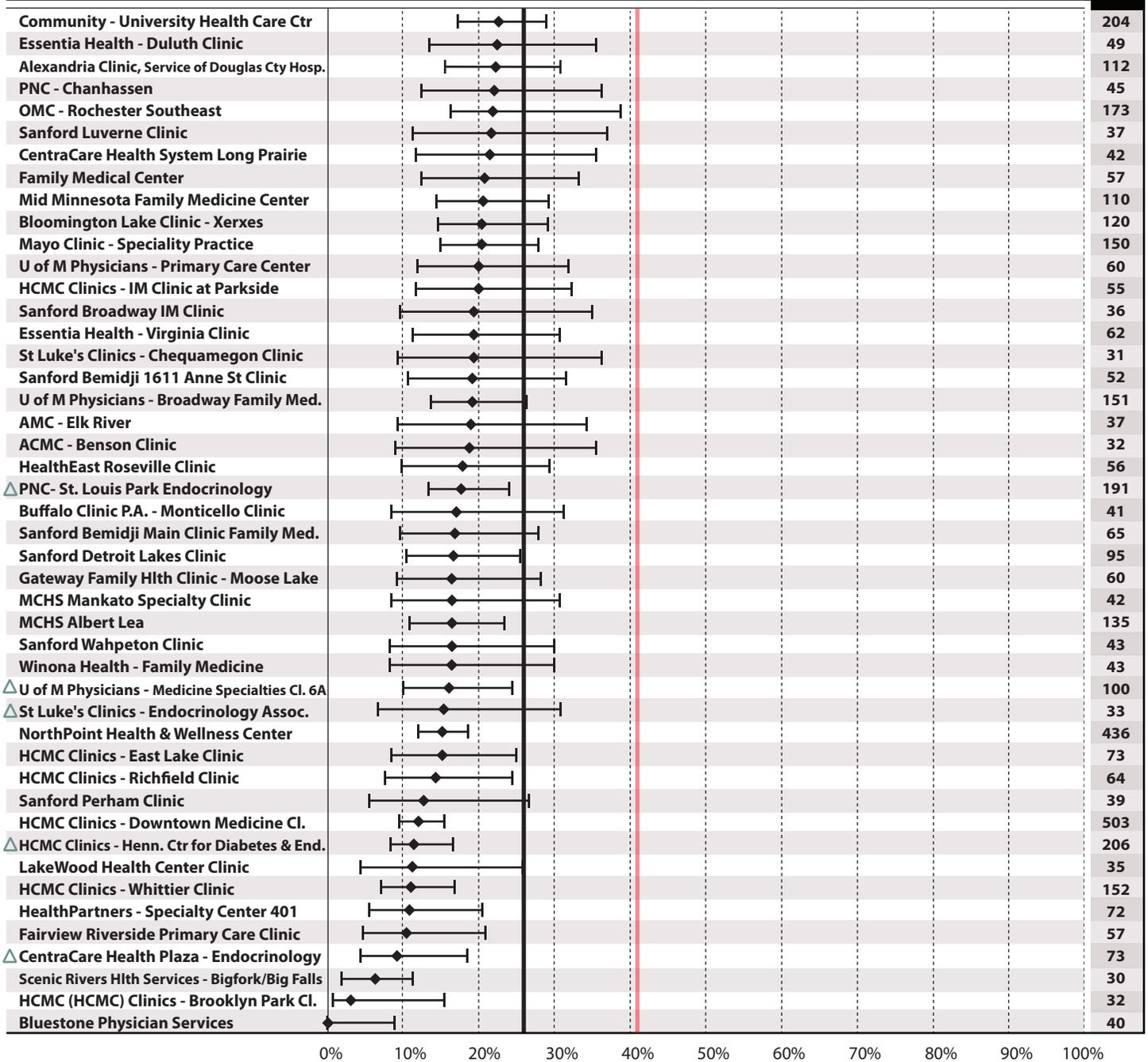
△ Endocrinology

MHCP Clinic Average 26%
Other Purchasers Clinic Average 41%

— 95% Confidence Interval n* = Sample Size

- ACMC - Affiliated Community Medical Centers
- AMC - Allina Medical Clinic
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- HP - HealthPartners
- MCHS - Mayo Clinic Health System
- NMC - North Memorial Clinic
- OMC - Olmsted Medical Center
- PNC - Park Nicollet Clinic

Chart 3.1: Optimal Diabetes Care Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



Living with Illness

△ Endocrinology

MHCP Clinic Average 26%
Other Purchasers Clinic Average 41%

— 95% Confidence Interval n*= Sample Size

- ACMC - Affiliated Community Medical Centers
- AMC - Allina Medical Clinic
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- HP - HealthPartners
- MCHS - Mayo Clinic Health System
- NMC - North Memorial Clinic
- OMC - Olmsted Medical Center
- PNC - Park Nicollet Clinic

Performance Highlights - Clinic Results

Clinics with above-average MHCP rates in report year 2012

Park Nicollet Clinic - Eagan had the highest rate of **Optimal Diabetes Care** for their MHCP patients, at 54 percent. Thirty-seven clinics had rates and confidence intervals that were greater than the statewide average of 26 percent for patients enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Park Nicollet Clinic - Eagan
- Allina Medical Clinic - West Health Campus
- Allina Medical Clinic - The Doctors Uptown
- Allina Medical Clinic - Ramsey
- Mayo Clinic Health System Lake City
- Fairview Crosstown Clinic
- Allina Medical Clinic - Eagan
- Park Nicollet Clinic - Shakopee
- Essentia Health - Spooner Clinic
- HealthPartners - Andover
- Allina Medical Clinic - Buffalo
- HealthEast - Woodbury
- Park Nicollet Clinic - Burnsville
- Allina Medical Clinic - Northfield
- Park Nicollet Clinic - Plymouth
- Affiliated Community Medical Centers - Litchfield Clinic (East)
- Mayo Clinic Health System Mankato Eastridge
- Park Nicollet Clinic - St. Louis Park Family Medicine
- Quello Clinic - Burnsville
- Park Nicollet Clinic - St. Louis Park Internal Medicine
- Allina Medical Clinic - Cottage Grove
- Mayo Clinic - Kasson
- Allina Medical Clinic - Woodlake
- Allina Medical Clinic - Shakopee
- Allina Health System - New Ulm Medical Center
- Allina Medical Clinic - Nicollet Mall
- Park Nicollet Clinic - Maple Grove
- HealthPartners - Ctr for Internatl Hlth
- Fairview EdenCenter Clinic
- Allina Medical Clinic - West St. Paul
- Allina Medical Clinic - Faribault
- Fairview Brooklyn Park Clinic
- Fairview Oxboro Clinic
- Allina Medical Clinic - Coon Rapids
- Allina Medical Clinic - Edina
- HealthPartners - Midway
- Park Nicollet Clinic - Brookdale

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Optimal Diabetes Care was made by **Allina Medical Clinic - The Doctors Uptown**, which achieved a 23 percentage point increase for their MHCP patients.

Clinic Performance Over Time (2010-20112)

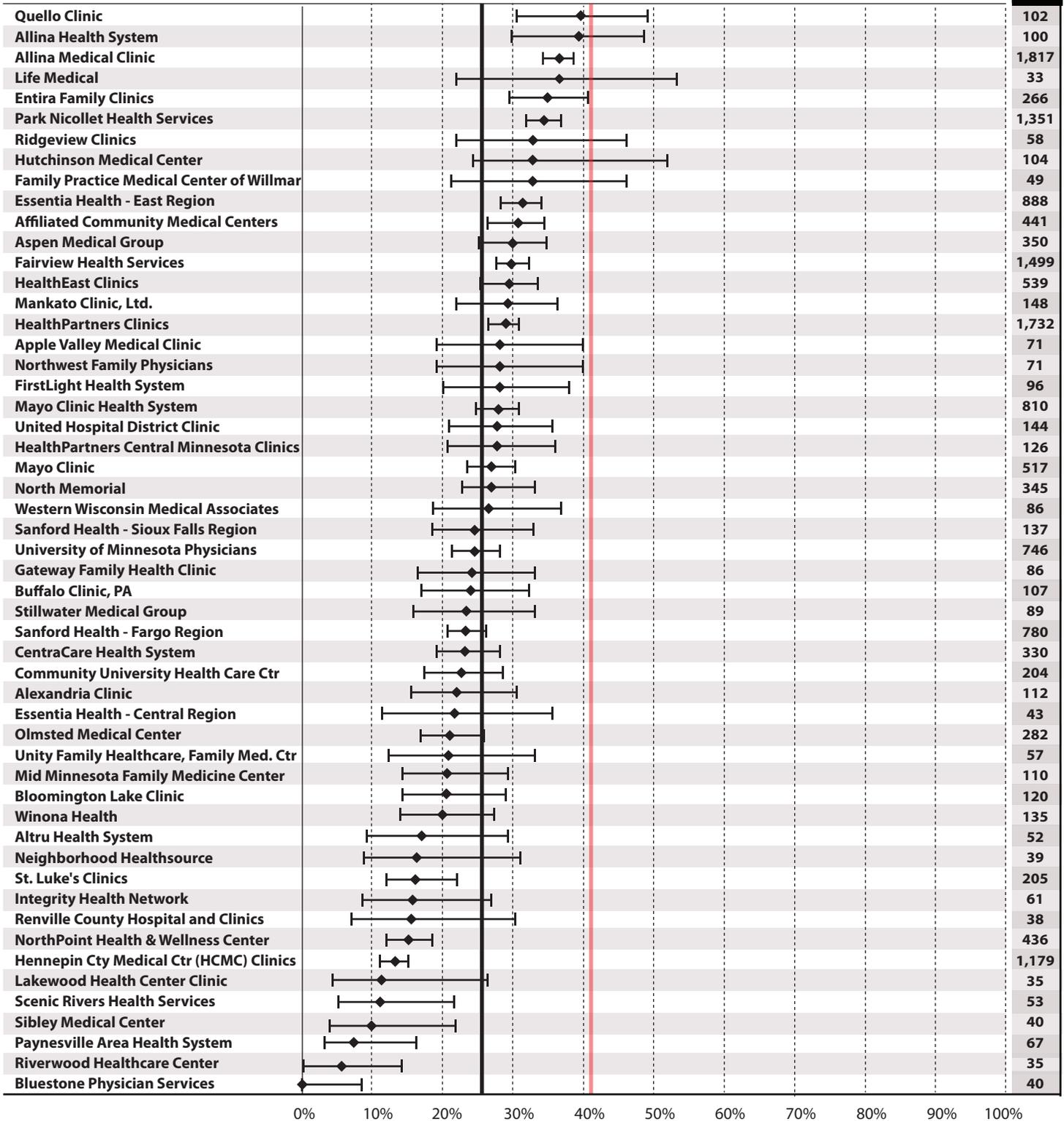
Not applicable.

Medical Group Performance Highlights

Chart 3.2 provides the MHCP Optimal Diabetes Care rate by medical group from highest to lowest. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 53 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 53 medical groups account for 17,361 of the 18,168 MHCP patients (96 percent) who were eligible for this measure statewide. The 53 reportable medical groups account for 42 percent of medical groups providing care to MCHP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which medical groups were successful in achieving optimal diabetes care with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Quello Clinic**, achieved optimal diabetes care with 39 percent of their MHCP patients, while **Bluestone Physician Services** did not achieve optimal diabetes care for any of their MHCP patients. Performance variation is not unique to MHCP and it indicates that some medical groups are achieving best practice goals for more of their patients than other groups are, which identifies room for improvement. A detailed table of medical group rates can be found in Appendix 3.

Chart 3.2: Optimal Diabetes Care Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)



MHCP Medical Group Average 26%
 Other Purchasers Medical Group Average 41%

95% Confidence Interval n*= Sample Size

Living with Illness

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Quello Clinic had the highest rate of **Optimal Diabetes Care** with their MHCP patients, at 39 percent. Nine medical groups had rates and confidence intervals that were greater than the medical group average of 27 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Quello Clinic
- Allina Health System
- Allina Medical Clinic
- Entira Family Clinics (formerly Family Health Services MN)
- Park Nicollet Health Services
- Essentia Health - East Region
- Affiliated Community Medical Centers
- Fairview Health Services
- HealthPartners Clinics

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Optimal Diabetes Care was made by **HealthPartners Central Minnesota Clinics**, which achieved a 13 percentage point increase for their MHCP patients.

Medical group performance over time (2010-2012)

Not applicable.

“Living with Illness” measures

Optimal Vascular Care

This measures the percentage of patients ages 18-75 with a diagnosis of vascular disease who have reached all four of the following treatment goals to reduce the risk of cardiovascular disease:

- Blood pressure less than 140/90 mmHg
- LDL-C less than 100 mg/dl
- Documented tobacco-free status
- Daily aspirin use

Medical groups and clinics submitted data directly to MNMCM for this measure based on electronic health records or paper-based medical charts (See Glossary).

MHCP patients had a significantly lower Optimal Vascular Care rate than patients enrolled with Other Purchasers ($p < 0.05$). The statewide MHCP rate for Optimal Vascular Care was 34 percent and the rate for Other Purchasers was 53 percent. This means that, statewide, only 34 percent of patients enrolled in MHCP reached all four treatment goals while 53 percent of patients enrolled with Other Purchasers did so. Table 4.1 displays these statewide rates.

Table 4.1: Statewide Weighted Rates* for Optimal Vascular Care

Purchasers	Statewide Weighted Rate*	95% CI**	Denominator (Patients Sampled)
MHCP	34.4%	33.1% - 35.8%	4,560
Other Purchasers	53.0%	52.5% - 53.5%	43,075

*The statewide weighted rate includes all patients eligible for the measures who were reported directly to MNMCM by medical groups and clinics from electronic health records or paper-based medical charts.
 **A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

No Figure 4.1 for this measure: Optimal Vascular Care Statewide Rates over Time

The measurement specifications changed since last year so a comparison over time is not possible.

No Figure 4.2 for this measure: Optimal Vascular Care: Statewide Gaps between Purchasers by Year

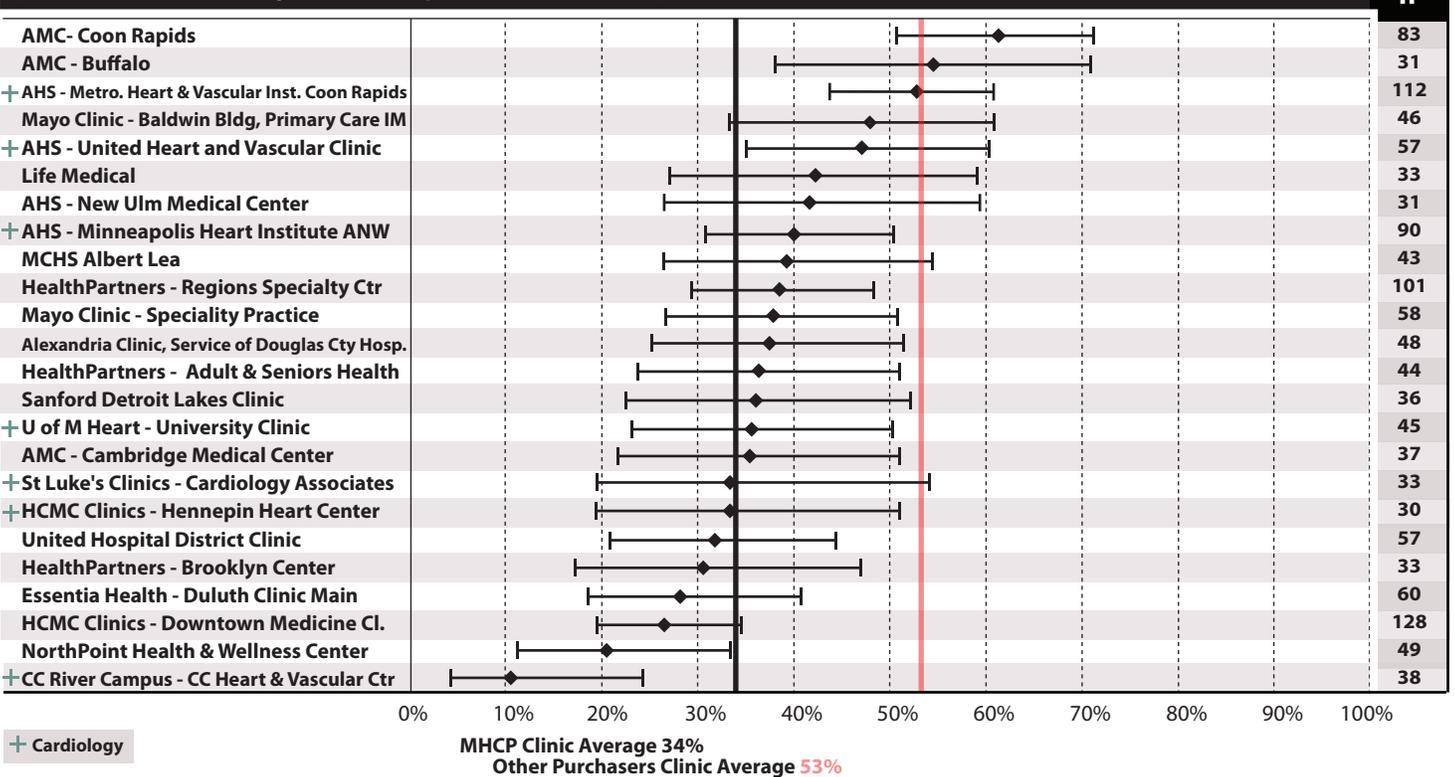
The measurement specifications changed since last year so a comparison over time is not possible.

Clinic Level Performance Highlights

Chart 4.1 provides the MHCP Optimal Vascular Care rate by clinic from highest to lowest. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 24 clinics are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 24 clinics account for 1,323 of the 4,560 MHCP patients (29 percent) who were eligible for this measure statewide. The 24 reportable clinics account for 5 percent of clinics providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which clinics were successful in achieving optimal vascular care with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful clinic, **Allina Medical Clinic - Coon Rapids**, achieved optimal vascular care with 61 percent of their MHCP patients, while **CentraCare River Campus-CentraCare Heart & Vascular Center**, the least successful, achieved it with only 11 percent. A detailed table of clinic level rates can be found in Appendix 3.

Chart 4.1: Optimal Vascular Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



AHS - Allina Health System
 AMC - Allina Medical Clinic
 CC - CentraCare
 HCMC - Hennepin County Medical Clinics
 MCHS - Mayo Clinic Health System

Performance Highlights - Clinic Results

Clinics with above-average MHCP rates in report year 2012

Allina Medical Clinic- Coon Rapids had the highest rate of **Optimal Vascular Care** with their MHCP patients, at 61 percent. Four clinics had rates and confidence intervals that were greater than the clinic average of 34 percent for patients enrolled in MHCP. These clinics are listed below in order of high to low performance.

- Allina Medical Clinic - Coon Rapids
- Allina Medical Clinic - Buffalo
- Allina Health System - Metropolitan Heart & Vascular Institute Coon Rapids
- Allina Health System - United Heart and Vascular Clinic

Biggest improvement from 2011-2012

Not applicable due to changes in the measurement specifications.

Clinic performance over time (2010-2012)

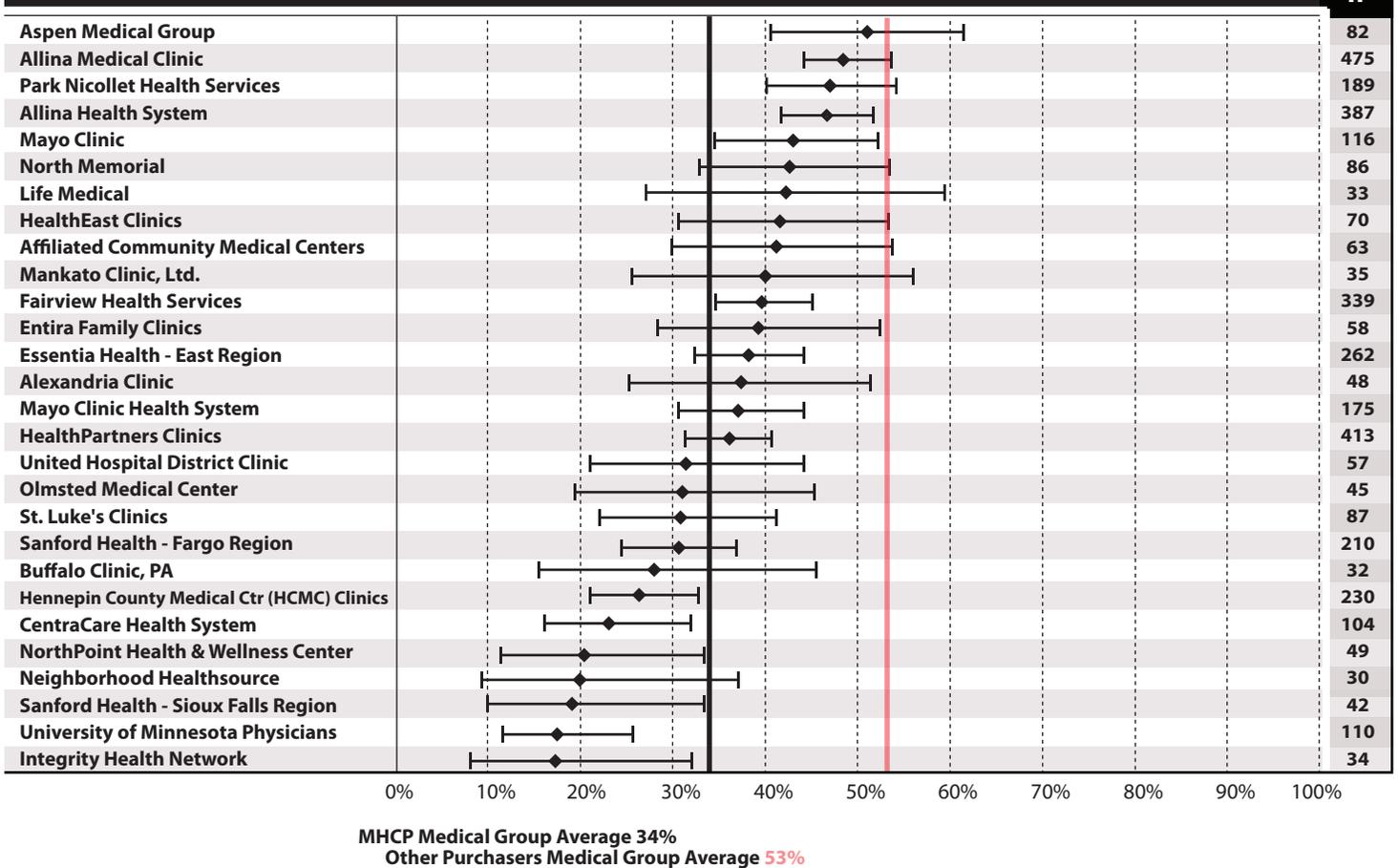
Not applicable due to changes in the measurement specifications.

Medical Group Performance Highlights

Chart 4.2 provides the MHCP Optimal Vascular Care rate by medical group from highest to lowest. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 28 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 28 medical groups account for 3,861 of the 4,560 MHCP patients (85 percent) who were eligible for this measure statewide. The 28 reportable medical groups account for 25 percent of medical groups providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which medical groups were successful in achieving optimal vascular care with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Aspen Medical Group**, achieved optimal vascular care with 51 percent of their MHCP patients, while **Integrity Health Network** and **University of Minnesota Physicians**, were the least successful, achieving it with only 17 percent. A detailed table of medical group rates can be found in Appendix 3.

Chart 4.2: Optimal Vascular Care Rates by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)



Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Park Nicollet Health Services had the highest rate of **Optimal Vascular Care** with their MHCP patients, at 51 percent. Six medical groups had rates and confidence intervals that were greater than the medical group average of 34 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Aspen Medical Group
- Allina Medical Clinic
- Park Nicollet Health Services
- Allina Health System
- Mayo Clinic
- Fairview Health Services

Biggest improvement from 2011-2012

Not applicable due to changes in the measurement specifications.

Medical group performance over time (2010-2012)

Not applicable due to changes in the measurement specifications.

Please see next page.

“Living with Illness” measures

Controlling High Blood Pressure

This measures the percentage of patients between ages 18-85 with a diagnosis of hypertension, also known as high blood pressure, whose blood pressure was adequately controlled at less than 140/90 mmHg during the measurement year. The representative blood pressure, as defined by the National Committee for Quality Assurance (NCQA), is the most recent blood pressure reading during the measurement year (as long as the reading occurred after the diagnosis of hypertension was made). Data collected for this measure are from health plan claims and medical record review (See Glossary).

The health care best practice of Controlling High Blood Pressure was achieved with MHCP patients at a significantly lower rate than with patients enrolled with Other Purchasers ($p < 0.05$). The statewide rate for Controlling High Blood Pressure for MHCP patients was 71 percent; the rate for patients enrolled with Other Purchasers was 76 percent. Table 5 displays these statewide rates.

Table 5: Statewide Weighted Rates* for Controlling High Blood Pressure

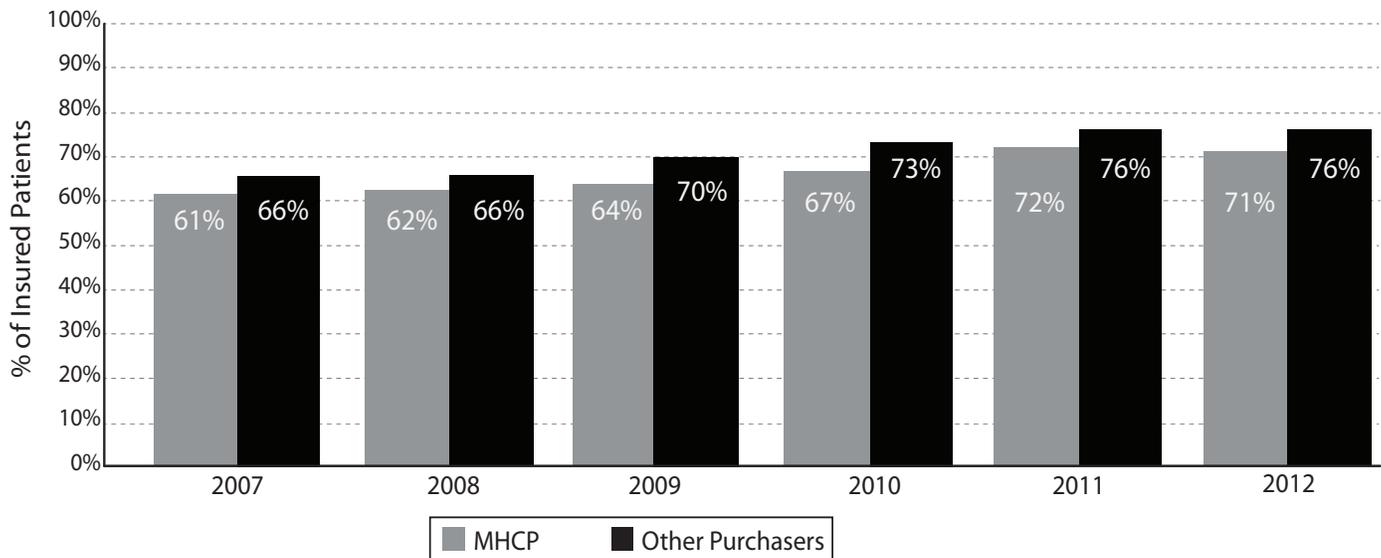
Purchasers	Statewide Weighted Rate*	95% CI**	Denominator (Patients Sampled)
MHCP	71.0%	70.0% - 72.1%	7,221
Other Purchasers	75.5%	74.4% - 76.6%	5,676

*Statewide Average (above) includes those patients attributed to a medical group AND those who could not be attributed to a medical group.

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 5.1 displays the statewide rates over time. The rates at which this health care best practice was successfully achieved with patients of both purchasers have improved since 2007. However, gaps between purchasers have been present every year since 2007 and persist. For the Controlling High Blood Pressure measure, the gap between purchasers has fluctuated between 2007 and 2012. In general, the gap between purchasers has been between four and six percentage points.

Figure 5: Controlling High Blood Pressure Statewide Rates over Time

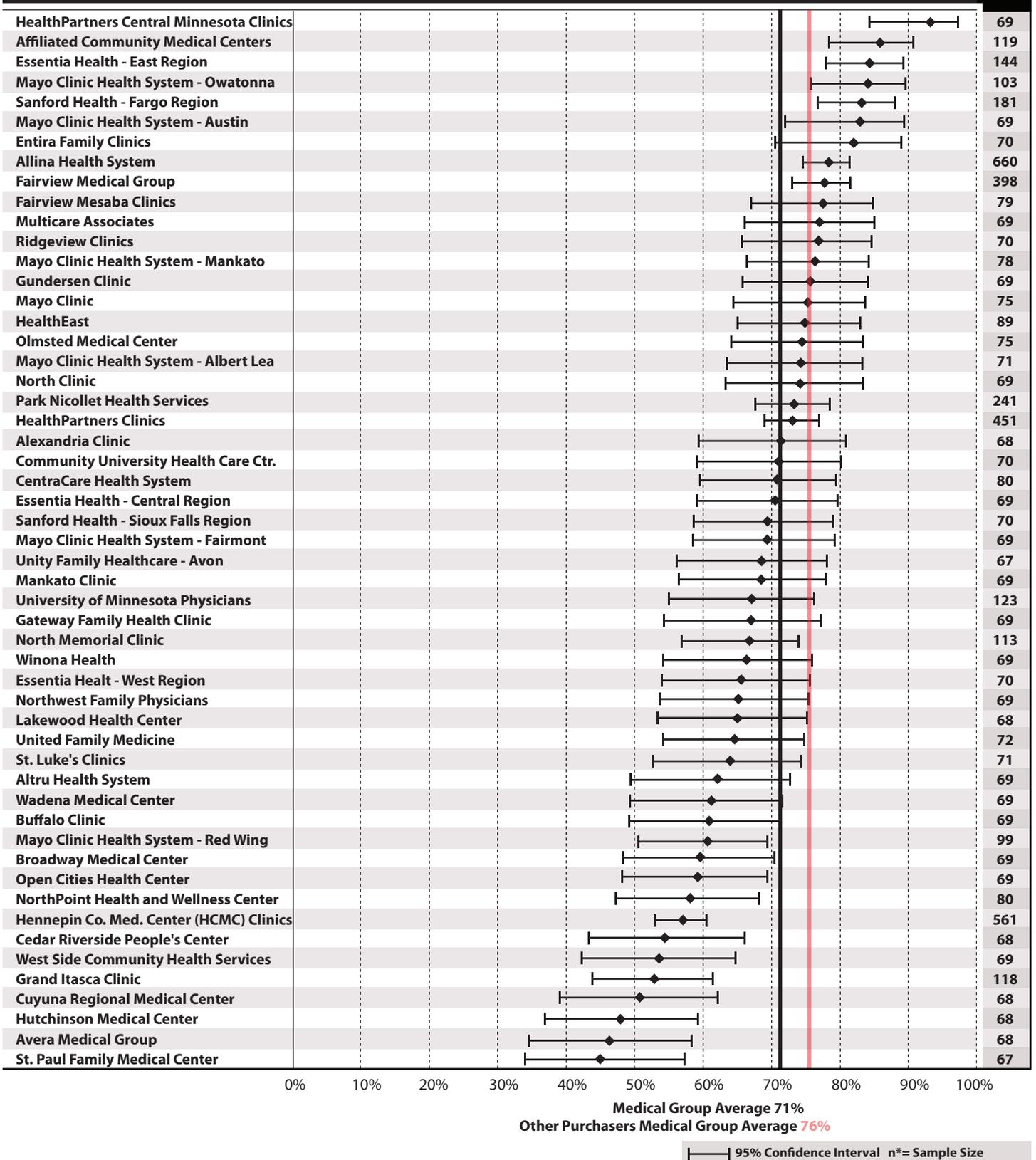


Medical Group Performance Highlights

Chart 5 provides the MHCP Controlling High Blood Pressure rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 53 medical groups are reportable for this measure because they had at least 60 patients in their sample – a large enough sample to ensure a reasonable level of confidence in the reported rate. These 53 medical groups account for 6,146 of the 7,221 MHCP patients (85 percent) who are eligible for this measure statewide. The 53 reportable medical groups account for 20 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful medical group, **HealthPartners Central Minnesota Clinics**, achieved best practice for 93 percent of their MHCP patients, while **St. Paul Family Medical Center**, the least successful, achieved it with only 45 percent. A detailed table of medical group rates can be found in Appendix 3.

Chart 5: Controlling High Blood Pressure Rates by Medical Group
 (Minnesota Health Care Programs with 60+ patients in denominator)



Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

HealthPartners Central Minnesota Clinics had the highest rate of **Controlling High Blood Pressure** with their MHCP patients, at 93 percent. Eight medical groups had rates and confidence intervals that were greater than the medical group average of 71 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- HealthPartners Central Minnesota Clinics
- Affiliated Community Medical Centers
- Essentia Health - East Region
- Mayo Clinic Health System - Owatonna
- Sanford Health Fargo
- Mayo Clinic Health System - Austin
- Allina Health System
- Fairview Medical Group

Biggest Improvement from 2011-2012

The biggest improvement since report year 2011 in Controlling High Blood Pressure was made by **North Clinic**, which achieved a 24 percentage point increase for their MHCP patients.

Performance Highlights - Medical Group Results

Medical group performance over time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Forty-six medical groups have three years of data: 2010,2011, and 2012.

No medical groups achieved high performance each year over the past three years for Controlling High Blood Pressure.

Five medical groups out of 46 groups (11 percent) consistently improved in performance over three years:

- Affiliated Community Medical Centers
- Fairview Mesaba Clinics
- Gateway Family Health Clinic
- Lakewood Health Center
- Sanford Health Fargo

Five medical groups out of 46 groups (11 percent) consistently declined in performance over three years:

- Avera Medical Group
- Broadway Medical Center
- Central Lakes Medical Clinic - Integrity Health Network
- Essentia Health - Central Region
- Park Nicollet Health Services

One medical group was relatively stable with average or below-average performance over three years:

- Grand Itasca Clinic

There was no discernable pattern for 35 out of 46 groups (76 percent).

Please see next page.

“Living with Illness” measures

Optimal Asthma Care

July 1, 2011 - June 30, 2012 dates of service

This measure the percentage of patients ages 5-17 and patients ages 18-50 with persistent asthma who have reached all of the following three targets to control their asthma:

- Evidence of well controlled asthma using a validated asthma control tool
- Not at risk for elevated exacerbation as evidenced by no patient-reported emergency department visits and hospitalizations due to asthma
- Patient has been educated about his or her asthma and self-management of the condition and has received a written asthma management plan

Medical groups and clinics report data directly to MNMCM for this measure based on electronic health records or paper-based medical charts (See Glossary).

MHCP children ages 5-17 and adults ages 18-50 had significantly lower Optimal Asthma Care rates than patients enrolled with Other Purchasers ($p < 0.05$). The statewide MHCP rate for Optimal Asthma Care - Children Ages 5-17 was 33 percent and the rate for Other Purchasers was 40 percent. This means that, statewide, only 33 percent of children enrolled in MHCP are being appropriately managed for asthma while 40 percent of patients enrolled with Other Purchasers are appropriately managed. The statewide MHCP rate for Optimal Asthma Care - Adults Ages 18-50 was 23 percent and the rate for Other Purchasers was 34 percent. This means that, statewide, only 23 percent of adults enrolled in MHCP are being appropriately managed for asthma while 34 percent of patients enrolled with Other Purchasers are appropriately managed. Table 6 displays these statewide rates.

Table 6: Statewide Medical Group Level Rate for Optimal Asthma Care- Children and Adults

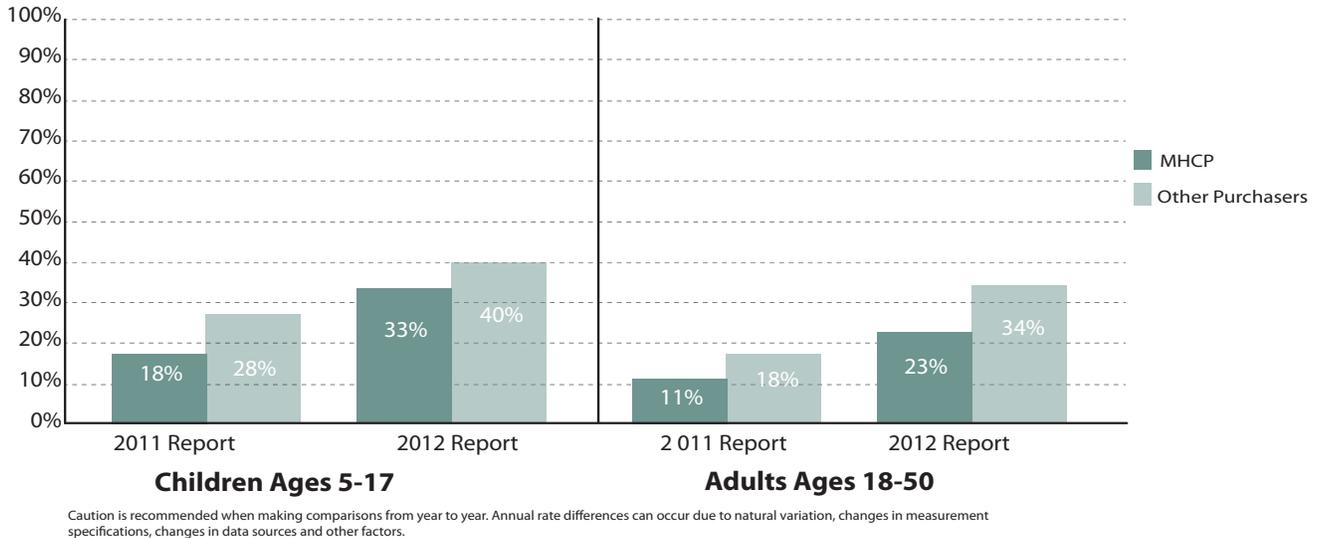
	Purchasers	Statewide Weighted Rate*	95% CI**	Denominator (Patients Sampled)
Children Ages 5-17	MHCP	32.5%	31.6% - 33.5%	9,615
	Other Purchasers	40.2%	39.5% - 40.8%	21,935
Adults Ages 18-50	MHCP	23.2%	22.4% - 24.0%	10,011
	Other Purchasers	33.9%	33.4% - 34.4%	37,056

*The statewide weighted rate includes all patients eligible for the measures who were reported directly to MNMCM by medical groups and clinics from electronic health records or paper-based medical charts.

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 6 displays the statewide rates over time for each patient population. The rates at which this health care best practice was successfully achieved with patients of both purchasers have improved since 2011. However, gaps between purchasers have been present for both 2011 and 2012. It should be noted that improved rates for both populations may be due to more clinics implementing a valid asthma control tool between 2011 and 2012.

Figure 6: Optimal Asthma Care Statewide Rates Over Time



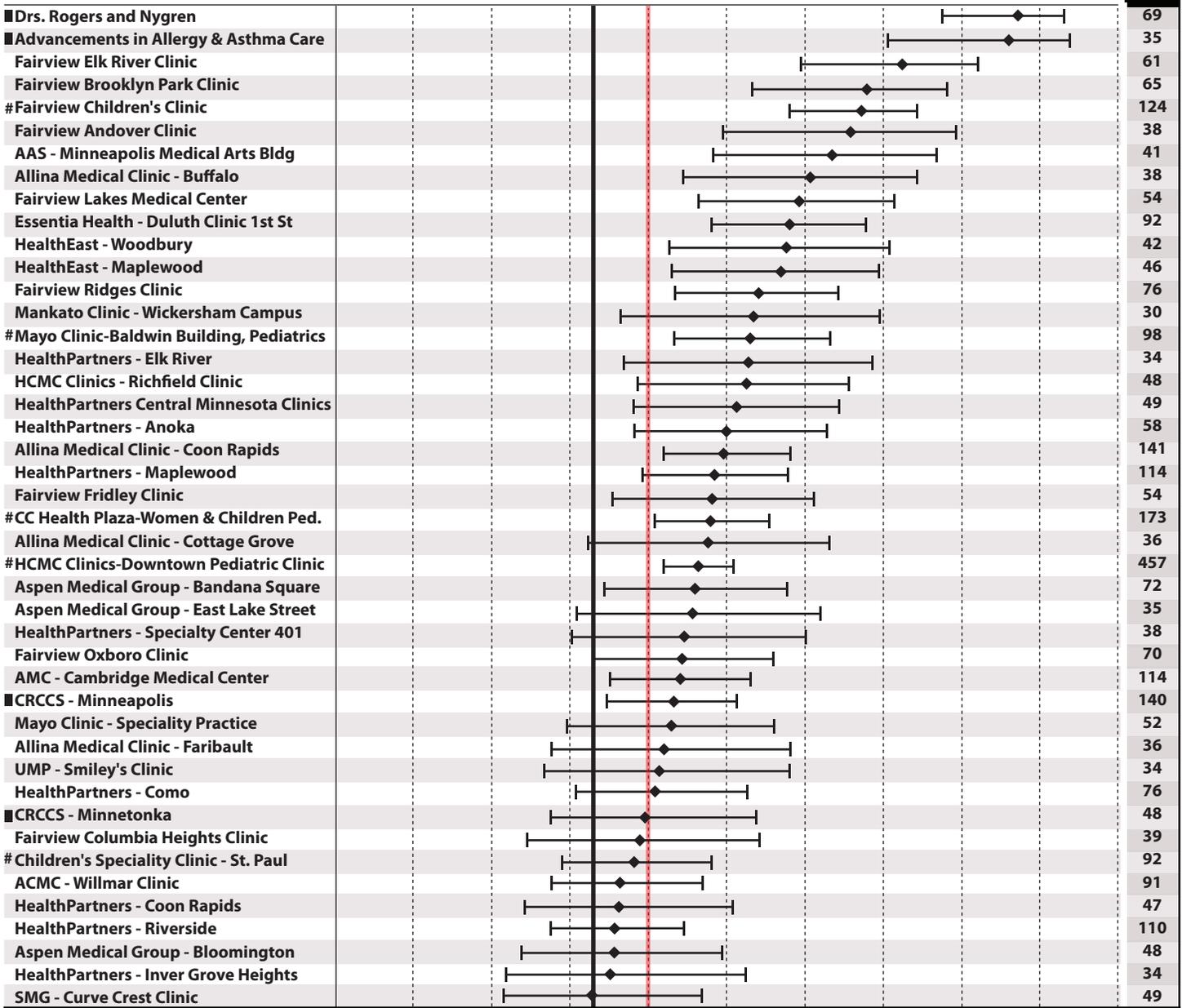
Clinic Level Performance Highlights- Children Ages 5-17

Chart 6.1 provides the MHCP Optimal Asthma Care rate by clinic from highest to lowest for children ages 5-17. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 88 clinics are reportable for this measure because they had at least 30 patients that met the measurement specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 88 clinics account for 6,156 of the 9,615 MHCP patients (64 percent) who were eligible for this measure statewide. The 88 reportable clinics account for 18 percent of clinics providing care to MHCP patients ages 5-17 in Minnesota and surrounding areas who submitted data to MNCM for this measure.

There was wide variation in the degree to which clinics were successful in achieving optimal asthma care with their patients ages 5-17 enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful clinic, **Dr. Rogers and Nygren**, achieved optimal asthma care with 87 percent of their MHCP patients ages 5-17, while nine clinics shown in Chart 6.1 did not have any MHCP patients ages 5-17 who achieved optimal asthma care. Performance variation is not unique to MHCP and it indicates that some clinics are achieving best practice goals for more of their patients than other clinics are, which identifies room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

Chart 6.1: Optimal Asthma Care - Children Ages 5-17 Rates by Clinic

(Minnesota Health Care Programs with 30+ patients in denominator)



Living with Illness

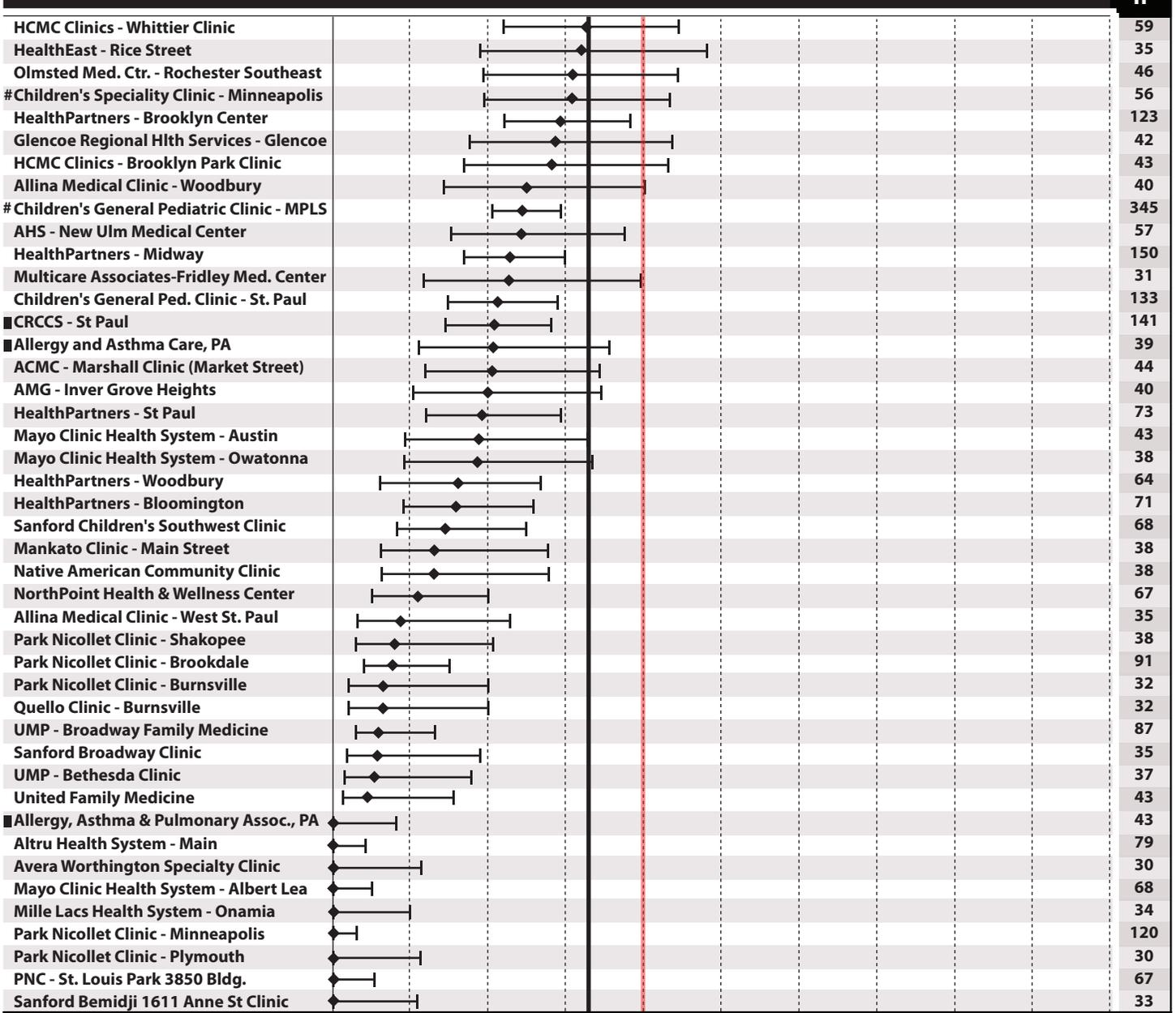
■ Allergy/Immunology #Pediatric 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MHCP Clinic Average 33%
Other Purchasers Clinic Average 40%

- AAS - Allergy & Asthma Specialists, PA
- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- CCRCS - Children's Respiratory & Critical Care Specialists
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

— 95% Confidence Interval n*= Sample Size

Chart 6.1: Optimal Asthma Care - Children Ages 5-17 Rates by Clinic - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



■ Allergy/Immunology #Pediatric

MHCP Clinic Average 33%

Other Purchasers Clinic Average 40%

95% Confidence Interval n*= Sample Size

- AAS - Allergy & Asthma Specialists, PA
- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- CCRCS - Children's Respiratory & Critical Care Specialists
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Performance Highlights - Clinic Results

Clinics with above-average MHCP rates in report year 2012

Drs. Rogers and Nygren had the highest rate of **Optimal Asthma Care** for their MHCP patients ages 5-17, at 87 percent. Twenty-eight clinics had rates and confidence intervals that were greater than the clinic average of 33 percent for patients ages 5-17 enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Drs. Rogers and Nygren
- Advancements in Allergy and Asthma Care, Ltd.
- Fairview Elk River Clinic
- Fairview Brooklyn Park Clinic
- Fairview Children's Clinic
- Fairview Andover Clinic
- Allergy & Asthma Specialists, PA - Minneapolis
Medical Arts Bldg
- Allina Medical Clinic - Buffalo
- Fairview Lakes Medical Center
- Essentia Health - Duluth Clinic 1st St
- HealthEast - Woodbury
- HealthEast - Maplewood
- Fairview Ridges Clinic
- Mankato Clinic - Wickersham Campus
- Mayo Clinic - Baldwin Building, Pediatrics
- HealthPartners - Elk River
- Hennepin County Medical Center (HCMC) Clinics -
Richfield Clinic
- HealthPartners Central Minnesota Clinics
- HealthPartners - Anoka
- Allina Medical Clinic - Coon Rapids
- HealthPartners - Maplewood
- Fairview Fridley Clinic
- CentraCare Health Plaza-Women & Children Pediatrics
- Hennepin County Medical Center (HCMC) Clinics -
Downtown Pediatric Clinic
- Aspen Medical Group - Bandana Square
- Fairview Oxboro Clinic
- Allina Medical Clinic - Cambridge Medical Center
- Children's Respiratory & Critical Care Specialists -
Minneapolis

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Optimal Asthma Care - Children Ages 5-17 for clinics was made by **Allina Medical Clinic - Buffalo**, which achieved a 48 percentage point increase for their MHCP patients.

Clinic performance over time (2010-2012)

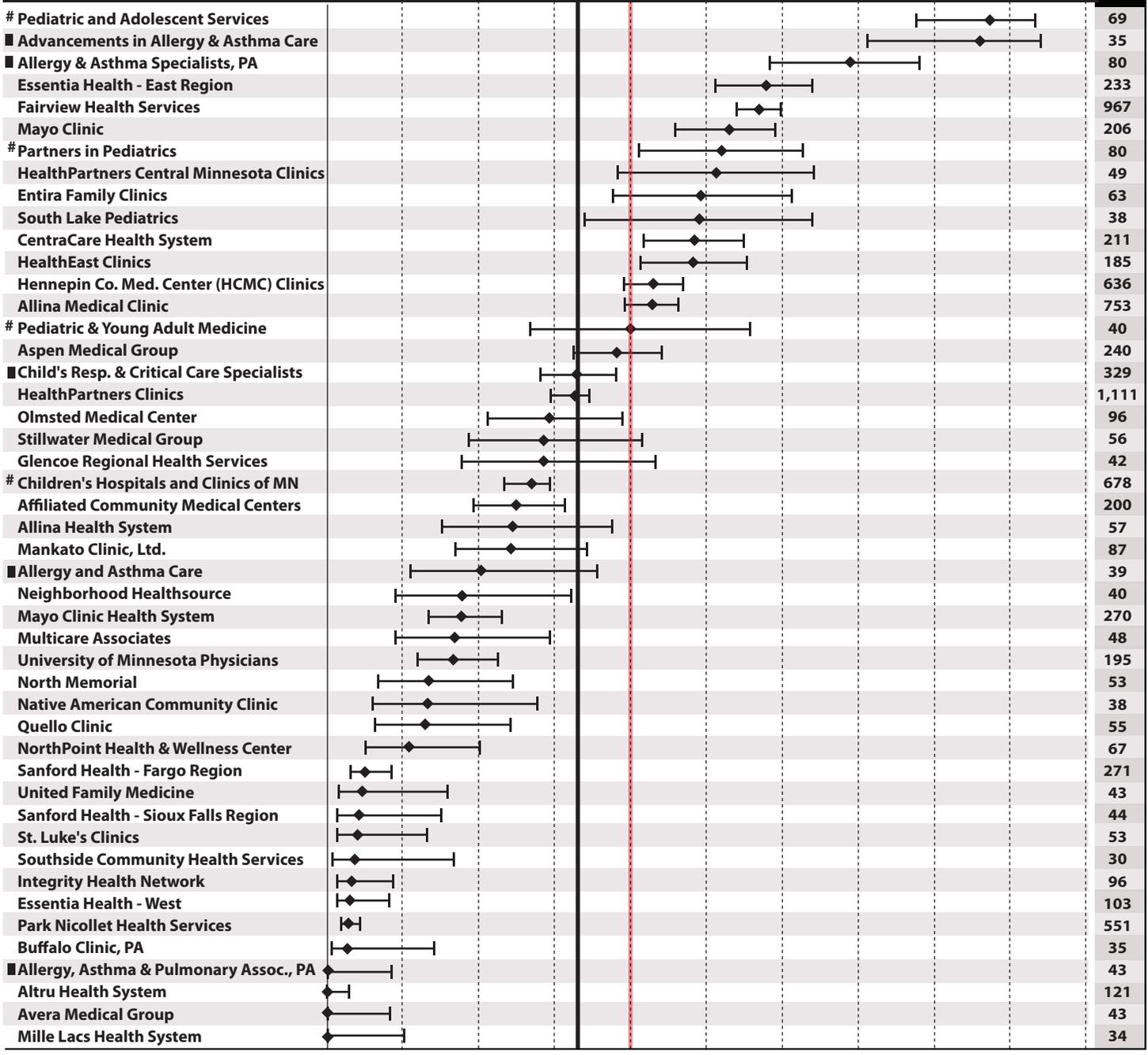
Not applicable.

Medical Group Performance Highlights - Children Ages 5-17

Chart 6.2 provides the MHCP Optimal Asthma Care rate by medical group for patients ages 5-17 from highest to lowest. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 47 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 47 medical groups account for 8,813 of the 9,615 MHCP patients (92 percent) who were eligible for this measure statewide. The 47 reportable medical groups account for 39 percent of medical groups providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which medical groups were successful in achieving optimal asthma care with their patients ages 5-17 enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Pediatric and Adolescent Services**, achieved optimal asthma care with 87 percent of their MHCP patients, while four medical groups shown in Chart 6.2 did not have any MHCP patients ages 5-17 who achieved optimal asthma care. A detailed table of medical group rates can be found in Appendix 3.

Chart 6.2: Optimal Asthma Care - Children Ages 5-17 Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)



MHCP Clinic Average 33%
 Other Purchasers Clinic Average 40%

95% Confidence Interval n*= Sample Size

Living with Illness

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Pediatric and Adolescent Services had the highest rate of **Optimal Asthma Care** with their MHCP patients ages 5-17, at 87 percent. Fourteen medical groups had rates and confidence intervals that were greater than the statewide average of 33 percent for patients ages 5-17 enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Pediatric and Adolescent Services
- Advancements in Allergy and Asthma Care
- Allergy & Asthma Specialists, PA
- Essentia Health - East Region
- Fairview Health Services
- Mayo Clinic
- Partners in Pediatrics
- HealthPartners Central Minnesota Clinics
- Entira Family Clinics (formerly Family Health Services MN)
- South Lake Pediatrics
- CentraCare Health System
- HealthEast Clinics
- Hennepin County Medical Center (HCMC) Clinics
- Allina Medical Clinic

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Optimal Asthma Care - Children Ages 5-17 for medical groups was made by **Pediatric and Young Adult Medicine**, which achieved a 40 percentage point increase for their MHCP patients.

Medical group performance over time (2010-2012)

Not applicable.

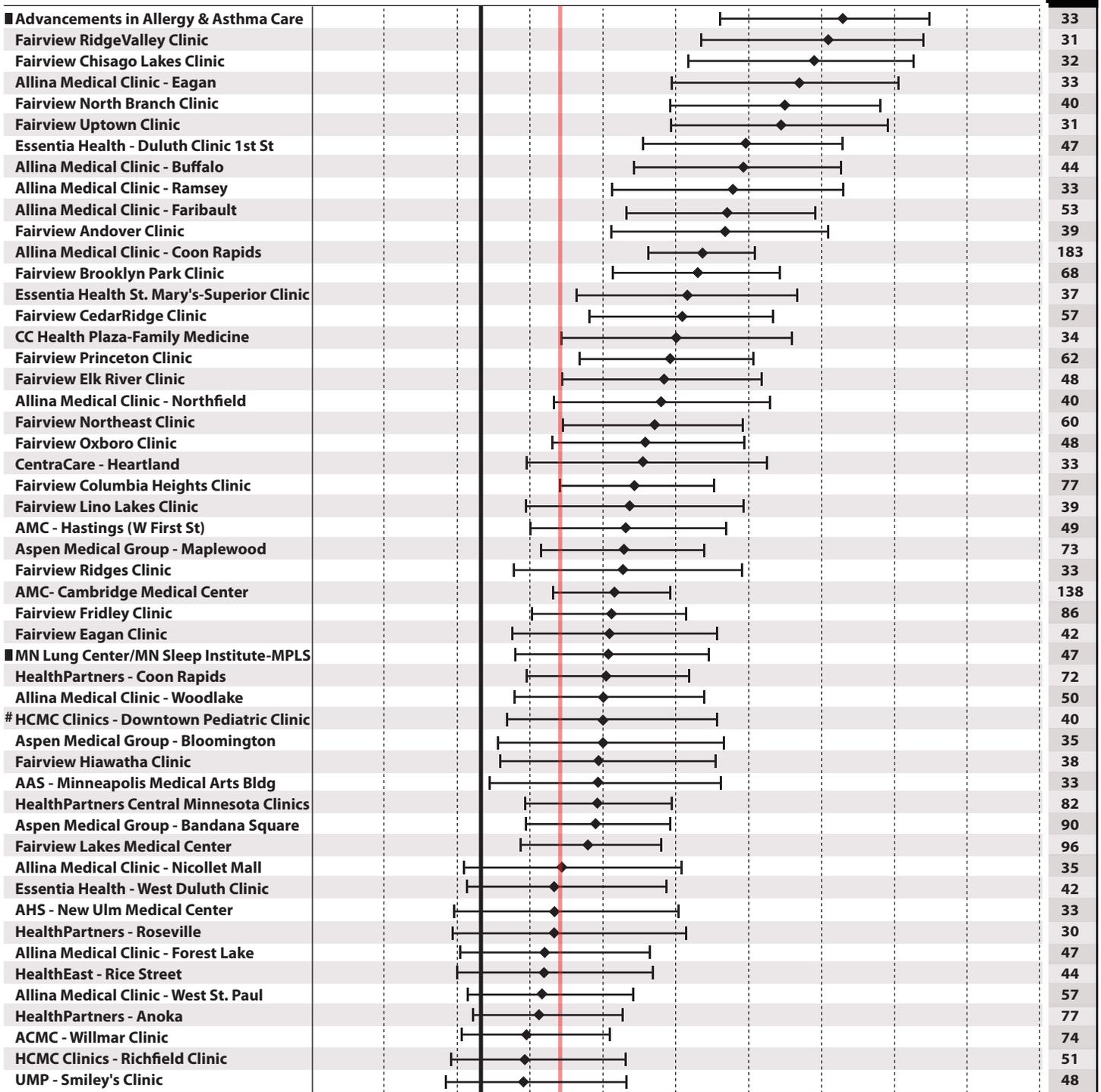
Clinic Level Performance Highlights- Adults Ages 18-50

Chart 6.3 provides the MHCP Optimal Asthma Care rate by clinic for adults ages 18-50 from highest to lowest. It also includes the statewide average rates for MHCP and Other Purchasers. For the 2012 report year, 102 clinics are reportable for this measure because they had at least 30 patients that met the measurement specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 102 clinics account for 5,675 of the 10,011 MHCP patients (57 percent) who were eligible for this measure statewide. The 102 reportable clinics account for 19 percent of clinics providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which clinics were successful in achieving optimal asthma care with their patients ages 18-50 enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful clinic, **Advancements in Allergy and Asthma Care**, achieved optimal asthma care with 73 percent of their MHCP patients, while seven clinics did not have any MHCP patients ages 18-50 who achieved optimal asthma care. Performance variation is not unique to MHCP and it indicates that some clinics are achieving best practice goals for more of their patients than other clinics are, which identifies room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

Chart 6.3: Optimal Asthma Care - Adults Ages 18-50 Rates by Clinic

(Minnesota Health Care Programs with 30+ patients in denominator)



■ Allergy/Immunology #Pediatric

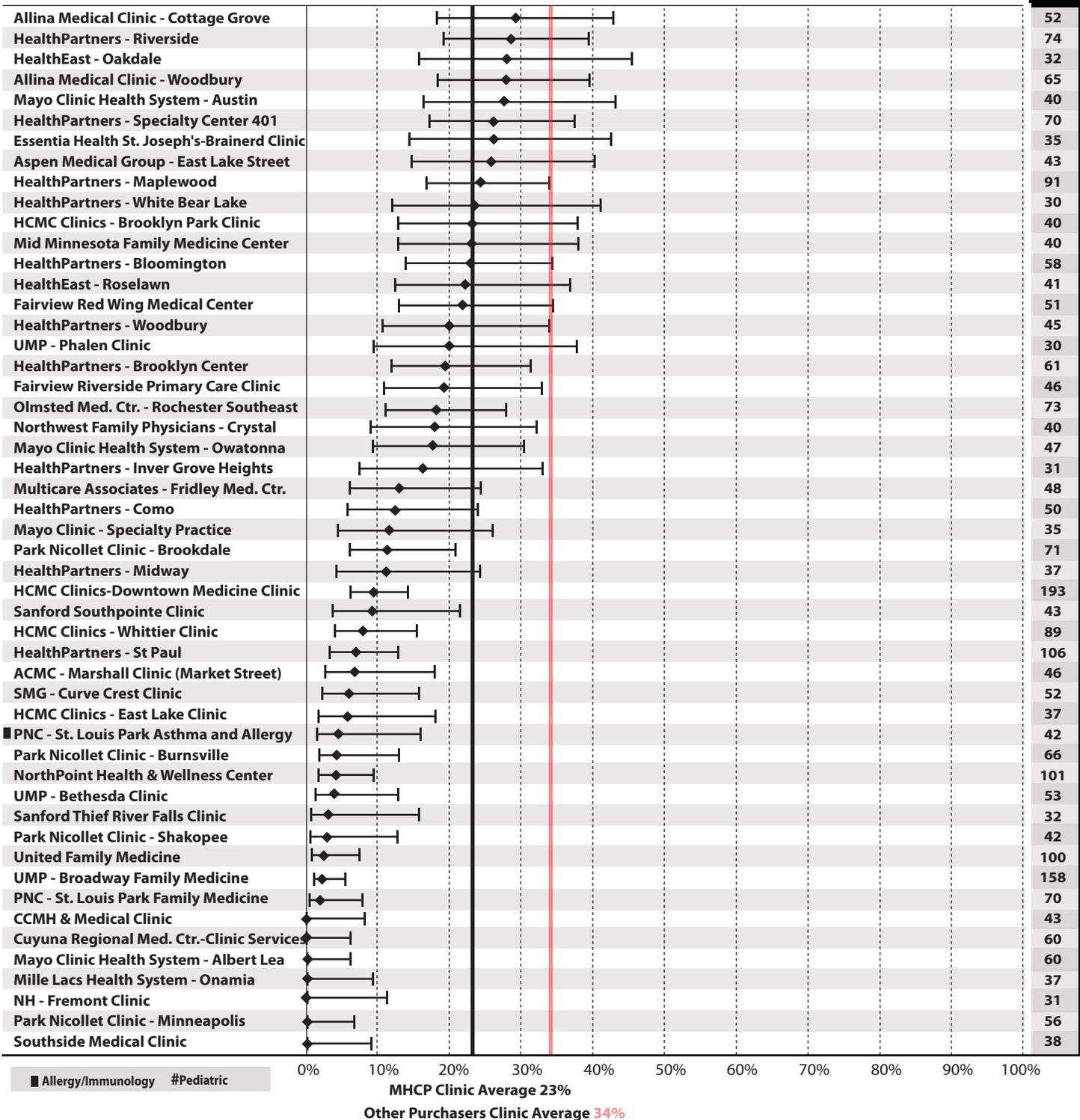
MCHP Clinic Average 23%

Other Purchasers Clinic Average 34%

— 95% Confidence Interval n*= Sample Size

ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 CCMH - Chippewa County Montevideo Hospital
 CCRC - CentraCare River Campus
 EFC - Entira Family Clinics
 HCMC - Hennepin County Medical Center
 NH - Neighborhood Healthsource
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMG - Stillwater Medical Group
 UMP - University of Minnesota Physicians

Chart 6.3: Optimal Asthma Care - Adults Ages 18-50 Rates by Clinic - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



Living with Illness

■ Allergy/Immunology #Pediatric

ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 CCMH - Chippewa County Montevideo Hospital
 CCRC - CentraCare River Campus
 EFC - Entira Family Clinics
 HCMC - Hennepin County Medical Center
 NH - Neighborhood Healthsource
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMG - Stillwater Medical Group
 UMP - University of Minnesota Physicians

— 95% Confidence Interval n*= Sample Size

Performance Highlights - Clinic Results

Clinics with above-average MHCP rates in report year 2012

Advancements in Allergy and Asthma Care had the highest rate of **Optimal Asthma Care** for their MHCP patients ages 18-50, at 73 percent. Forty clinics had rates and confidence intervals that were greater than the statewide average of 23 percent for patients ages 18-50 enrolled in MHCP. These clinics are listed below in order from high to low for each column and from highest in the left column to lowest in the right column.

- Advancements in Allergy and Asthma Care, Ltd.
- Fairview RidgeValley Clinic
- Fairview Chisago Lakes Clinic
- Allina Medical Clinic - Eagan
- Fairview North Branch Clinic
- Fairview Uptown Clinic
- Essentia Health - Duluth Clinic 1st St
- Allina Medical Clinic - Buffalo
- Allina Medical Clinic - Ramsey
- Allina Medical Clinic - Faribault
- Fairview Andover Clinic
- Allina Medical Clinic - Coon Rapids
- Fairview Brooklyn Park Clinic
- Essentia Health - St. Mary's-Superior
- Fairview CedarRidge Clinic
- CentraCare Health Plaza-Family Medicine
- Fairview Princeton Clinic
- Fairview Elk River Clinic
- Allina Medical Clinic - Northfield
- Fairview Northeast Clinic
- Fairview Oxboro Clinic
- CentraCare - Heartland
- Fairview Columbia Heights Clinic
- Fairview Lino Lakes Clinic
- Allina Medical Clinic - Hastings (W 1st St)
- Aspen Medical Group - Maplewood
- Fairview Ridges Clinic
- Allina Medical Clinic - Cambridge Medical
- Fairview Fridley Clinic
- Fairview Eagan Clinic
- Minnesota Lung Center/Minnesota Sleep Institute - Minneapolis
- HealthPartners - Coon Rapids
- Allina Medical Clinic - Woodlake
- Hennepin County Medical Center (HCMC) Clinics - Downtown Pediatric
- Aspen Medical Group - Bloomington
- Fairview Hiawatha Clinic
- Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg
- HealthPartners Central Minnesota Clinics
- Aspen Medical Group - Bandana Square
- Fairview Lakes Medical Center

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Optimal Asthma Care - Adults Ages 18-50 for clinics was made by **Allina Medical Clinic - Faribault**, which achieved a 54 percentage point increase for their MHCP patients.

Clinic performance over time (2010-2012)

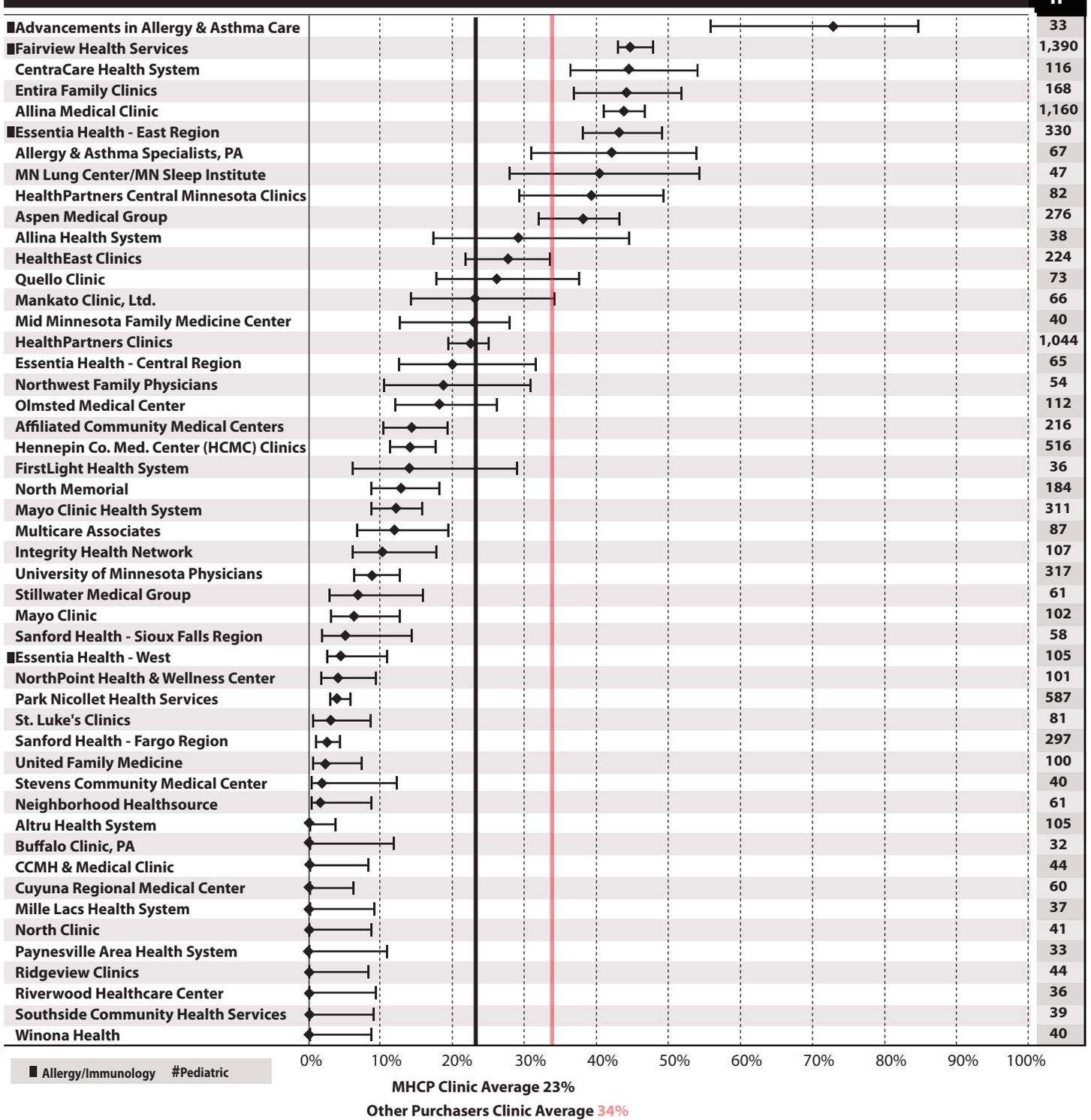
Not applicable.

Medical Group Performance Highlights - Adults Ages 18-50

Chart 6.4 provides the MHCP Optimal Asthma Care rate by medical group for patients ages 18-50 from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 49 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 39 medical groups account for 9,263 of the 10,011 MHCP patients (93 percent) who were eligible for this measure statewide. The 49 reportable medical groups account for 41 percent of medical groups providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which medical groups were successful in achieving optimal asthma care with their patients ages 18-50 enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Advancements in Allergy and Asthma Care**, achieved optimal asthma care with 73 percent of their MHCP patients, while 11 medical groups shown in Chart 6.4 did not have any MHCP patients ages 18-50 who achieved optimal asthma care. A detailed table of medical group rates can be found in Appendix 3.

Chart 6.4: Optimal Asthma Care - Adults Ages 18-50 by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)



n*

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Advancements in Allergy and Asthma Care had the highest rate of **Optimal Asthma Care** with their MHCP patients, ages 18-50 at 73 percent. Ten medical groups had rates and confidence intervals that were greater than the statewide average of 23 percent for patients ages 18-50 enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Advancements in Allergy and Asthma Care, Ltd.
- Fairview Health Services
- CentraCare Health System
- Entira Family Clinics
- Allina Medical Clinic
- Essentia Health - East Region
- Allergy & Asthma Specialists, PA
- Minnesota Lung Center/Minnesota Sleep Institute
- HealthPartners Central Minnesota Clinics
- Aspen Medical Group

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Optimal Asthma Care - Adults Ages 18-50 for medical groups was made by **Allina Medical Clinic**, which achieved a 42 percentage point increase for their MHCP patients.

Medical group performance over time (2010-2012)

Not applicable.

Please see next page.

“Getting Better” measures

Depression Remission at Six Months

This measures the percentage of patients with major depression or dysthymia (an initial PHQ-9 score greater than nine) whose six month PHQ-9 score is less than five. This is the definition of remission.

Medical groups and clinics report data directly to MNMCM for this measure based on electronic health records or paper-based medical charts (See Glossary).

MHCP patients had a significantly lower Depression Remission at Six Months rate than patients enrolled with Other Purchasers ($p < 0.05$). The statewide MHCP rate for Depression Remission at Six Months was 4 percent and the rate for Other Purchasers was 7 percent. This means that, statewide, only 4 percent of patients enrolled in MHCP are in remission after six months while 7 percent of patients enrolled with Other Purchasers are in remission. Table 7.1 displays these statewide rates.

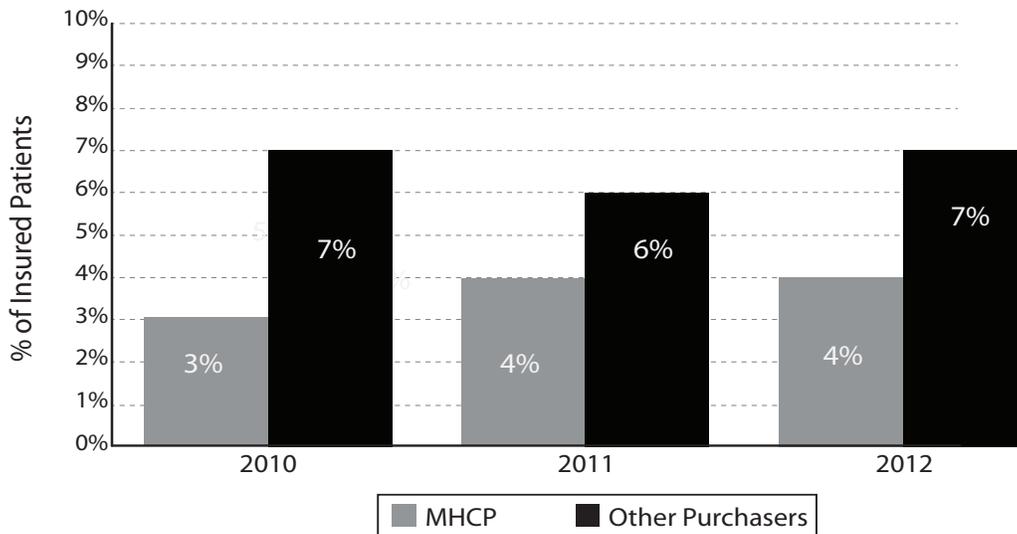
Table 7.1: Statewide Rates for Depression Remission at Six Months

Purchasers	Statewide Rate	95% CI ^{**}	Denominator (Patients Sampled)
MHCP	3.7%	3.4% - 4.0%	13,600
Other Purchasers	7.2%	7.0% - 7.5%	42,552

^{**}A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 7 displays the statewide rates over time. The rates at which this health care best practice was successfully achieved with patients of both purchasers have remained relatively stable since the first year of reporting in 2011. However, gaps between purchasers have been present for both 2011 and 2012.

Figure 7: Depression Remission at Six Months Statewide Rates Over Time

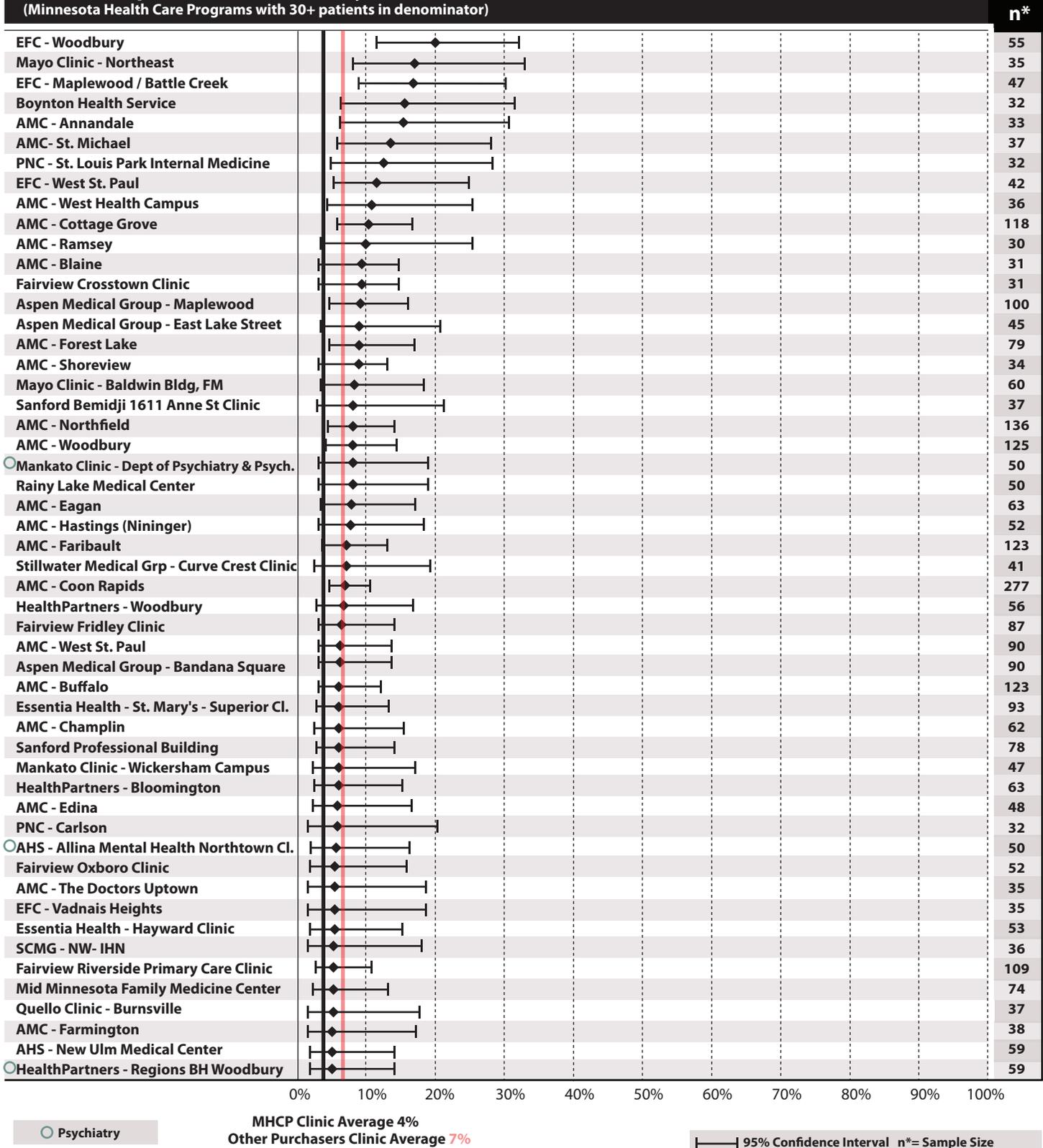


Clinic Performance Highlights

Chart 7 provides the MHCP Depression Remission at Six Months rate by clinic from highest to lowest. It also includes the average clinic rates for MHCP and Other Purchasers. For the 2012 report year, 157 clinics are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 157 clinics account for 10,394 of the 13,600 MHCP patients (76 percent) who were eligible for this measure statewide. The 157 reportable clinics account for 33 percent of clinics providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which clinics were successful in achieving depression remission at six months with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful clinic, **Entira Family Clinics - Woodbury**, achieved depression remission at six months with 20 percent of their MHCP patients, while 39 clinics were unable to have any of their MHCP patients achieve remission at six months. A detailed table of clinic rates can be found in Appendix 3.

Chart 7: Depression Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers	HAHC - Hutchinson Area Health Care
AHS - Allina Health System	IHN - Integrity Health Network
AMC - Allina Medical Clinic	MCHS - Mayo Clinic Health System
CCHP - CentraCare Health Plaza	NMC - North Memorial Clinic
EFC - Entira Family Clinics	OMC - Olmsted Medical Center
HCMC - Hennepin County Medical Center	PNC - Park Nicollet Clinic
	UMP - University of Minnesota Physicians

Chart 7: Depression Care Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



Getting Better

○ Psychiatry
 MHCP Clinic Average 4%
 Other Purchasers Clinic Average 7%
 ┌───┐ 95% Confidence Interval n*= Sample Size

ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 CCHP - CentraCare Health Plaza
 EFC - Entira Family Clinics
 HCMC - Hennepin County Medical Center
 HAHC - Hutchinson Area Health Care
 IHN - Integrity Health Network
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 OMC - Olmsted Medical Center
 PNC - Park Nicollet Clinic
 UMP - University of Minnesota Physicians

Chart 7: Depression Care Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers	HAHC - Hutchinson Area Health Care
AHS - Allina Health System	IHN - Integrity Health Network
AMC - Allina Medical Clinic	MCHS - Mayo Clinic Health System
CCHP - CentraCare Health Plaza	NMC - North Memorial Clinic
EFC - Entira Family Clinics	OMC - Olmsted Medical Center
HCMC - Hennepin County Medical Center	PNC - Park Nicollet Clinic
	UMP - University of Minnesota Physicians

Performance Highlights - Clinic Results

Clinics with above-average MHCP rates in report year 2012

Entira Family Clinics - Woodbury had the highest rate of **Depression Remission at Six Months** for their MHCP patients, at 20 percent. Sixteen clinics had rates and confidence intervals that were greater than the clinic average of 4 percent for patients enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Entira Family Clinics - Woodbury
- Mayo Clinic - Northeast
- Entira Family Clinics - Maplewood/Battle Creek
- Boynton Health Service
- Allina Medical Clinic - Annandale
- Allina Medical Clinic - St. Michael
- Park Nicollet Clinic - St. Louis Park Internal Medicine
- Entira Family Clinics - West St. Paul
- Allina Medical Clinic - West Health Campus
- Allina Medical Clinic - Cottage Grove
- Aspen Medical Group - Maplewood
- Allina Medical Clinic - Forest Lake
- Allina Medical Clinic - Northfield
- Allina Medical Clinic - Woodbury
- Allina Medical Clinic - Faribault
- Allina Medical Clinic - Coon Rapids

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Depression Remission at Six Months was made by **Entira Family Clinics - Maplewood/Battle Creek**, which achieved a 12 percentage point increase for their MHCP patients.

Clinic performance over time (2010-20112)

Not applicable.

“Getting Better” measures

Appropriate Treatment for Children with Upper Respiratory Infection

This measures the percentage of children ages three months to 18 years with a diagnosis of upper respiratory infection (URI) who were not given an antibiotic prescription within three days of the episode period (July 1 of prior year to June 30 of measurement year). Appropriate treatment is to not provide an antibiotic, since most URIs are caused by a virus. A higher rate indicates appropriate treatment (i.e., the proportion for whom antibiotics were not prescribed). Data collected for this measure are from health plan claims (See Glossary).

MHCP patients and patients enrolled with Other Purchasers have similar rates of Appropriate Treatment for Children with Upper Respiratory Infections, although the difference between them is statistically significant. The statewide MHCP rate for this measure was 88 percent; the rate for Other Purchasers was 86 percent. Table 8 displays these statewide rates.

Table 8: Statewide Rates* for Appropriate Treatment for Children with URI

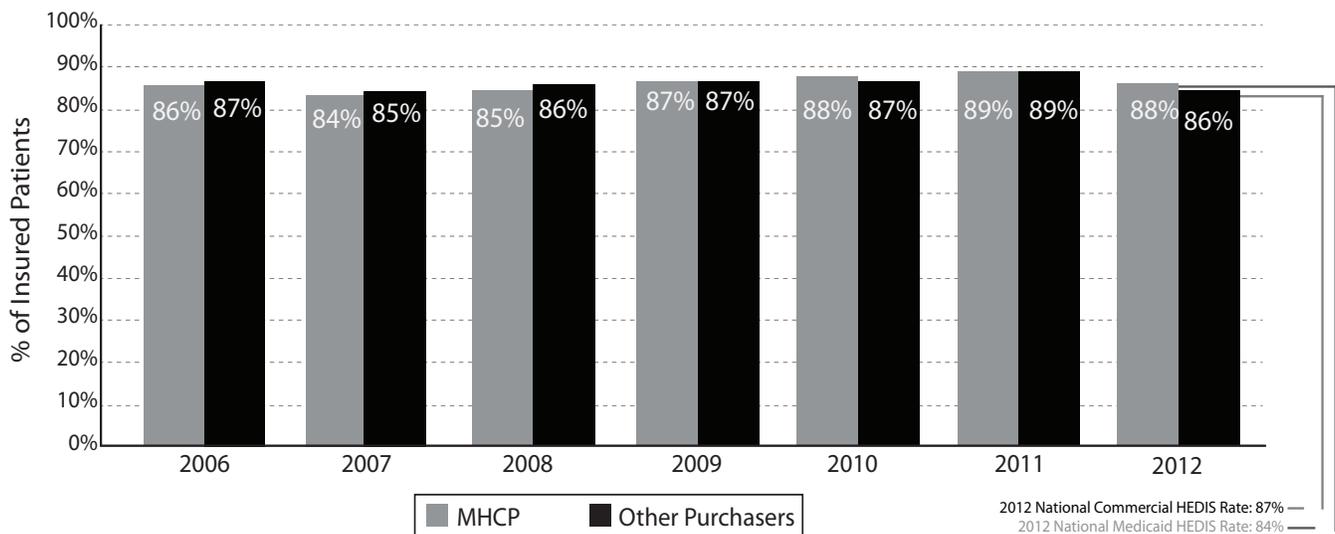
Purchasers	Statewide Rate	95% CI**	Denominator
MHCP	87.9%	87.6% - 88.2%	37,573
Other Purchasers	86.3%	85.8% - 86.8%	17,336

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 8 displays the statewide rates over time. The rates for both purchasers had been slowly increasing since 2007, but have since slightly decreased since 2011. The gaps between purchasers have been small every year since 2006.

The figure also displays the 2012 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide MHCP and Other Purchasers rates are both slightly above their respective national HEDIS benchmarks. In other words, Minnesota medical groups are slightly more successful in achieving this health care best practice with their patients, regardless of purchaser, than physicians nationwide.

Figure 8: Appropriate Treatment for Children with URI Statewide Rates over Time



Medical Group Performance Highlights

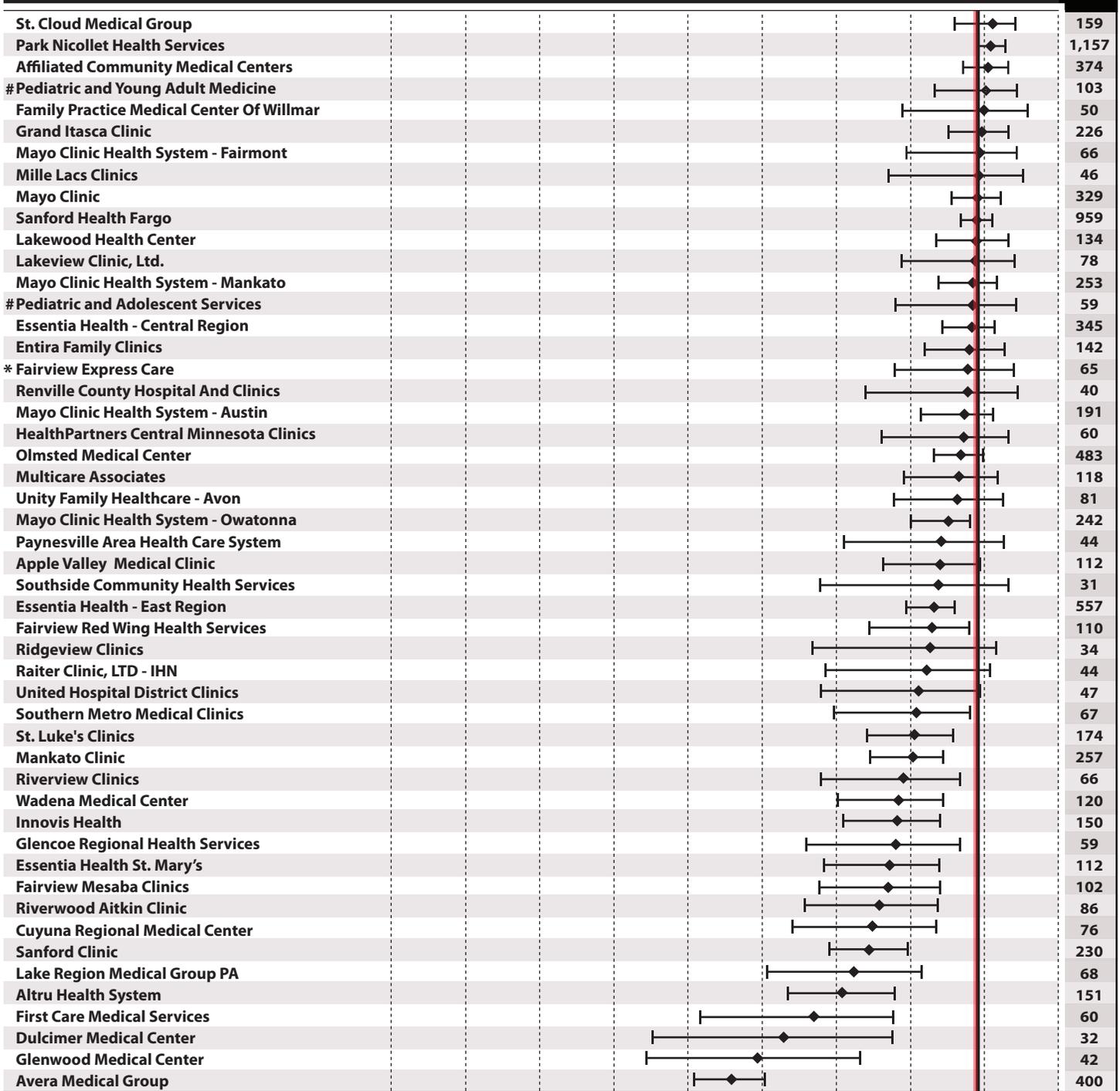
Chart 8 provides the MHCP rate of Appropriate Treatment for Children with URI by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 101 medical groups are reportable for this measure because they had at least 30 patients that met the measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 101 medical groups account for 18,237 of the 37,573 MHCP patients (49 percent) who are eligible for this measure statewide. The 101 reportable medical groups account for 33 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical groups, **Express Healthcare, FamilyHealth Medical Clinics, FirstLight Health System, Wayzata Children's Clinic, Gundersen Clinic** achieved best practice with 100 percent of their MHCP patients, while the least successful, **Avera Medical Group**, achieved it with only 56 percent of the MHCP patients. A detailed table of medical group rates can be found in Appendix 3.

Chart 8: Appropriate Treatment for Children with Upper Respiratory Infection
(Minnesota Health Care Programs with 30+ patients in denominator)



Chart 8: Appropriate Treatment for Children with Upper Respiratory Infection - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



Pediatric * Urgent Care

MHCP Medical Group Average 89%
 Other Purchasers Medical Group Average 89%

— 95% Confidence Interval n* = Sample Size

Getting Better

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Express Healthcare, FamilyHealth Medical Clinics, FirstLight Health System, Wayzata Children's Clinic, and Gundersen Clinic all had the highest rate of **Appropriate Treatment for Children with URI** with their MHCP patients, at 100 percent. Twenty-four medical groups had rates and confidence intervals that were greater than the medical group average of 89 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Express Healthcare
- FamilyHealth Medical Clinics
- FirstLight Health System
- Wayzata Children's Clinic
- Gundersen Clinic
- Central Pediatrics
- HealthPartners Clinics
- CentraCare Health System
- Neighborhood Healthsource
- Allina Health System
- West Side Community Health Services
- Stillwater Medical Group
- Hennepin Faculty Associates & HCMC Clinics
- Fridley Children's & Teenagers' Medical Center
- MinuteClinic
- Mayo Clinic Health System - Faribault
- North Memorial Clinic
- HealthEast
- Partners in Pediatrics
- University of Minnesota Physicians
- Mayo Clinic Health System - Albert Lea
- Emergency Physicians
- Children's Hospital Clinics Mpls, St. Paul, Tams, PACE
- Fairview Medical Group

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Appropriate Treatment for Children with URI was made by **Broadway Medical Center**, which achieved a 23 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Results

Medical Group Performance Over Time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Eighty-three medical groups have three years of data: 2010,2011, and 2012.

The following 10 medical groups (12 percent) achieved high performance each year over the past three years for Treatment for Children with Upper Respiratory Infection:

- CentraCare Health System
- Children's Hospital Clinics, MPLS, St. Paul, TAMS, PACE
- Fridley Children's & Teenagers' Medical Center
- HealthPartners Clinics
- Hennepin Faculty Associates and HCMC Clinic
- Mayo Clinic Health System - Faribault
- Neighborhood Healthsource
- North Memorial Clinic
- University of Minnesota Physicians
- West Side Community Health Services

Ten medical groups out of 83 groups (12 percent) consistently improved in performance over three years:

- Alexandria Clinic
- Apple Valley Medical Clinic
- Avera Medical Group
- Broadway Medical Center
- FamilyHealth Medical Clinics
- Mayo Clinic Health System - Lake City
- North Clinic
- Quello Clinic
- Renville County Hospital And Clinics
- Stillwater Medical Group

Six medical groups out of 83 groups (7 percent) consistently declined in performance over three years:

- Central Lakes Medical Clinic - Integrity
- Glencoe Regional Health Services
- Mayo Clinic
- Pediatric and Adolescent Services
- Pediatric and Young Adult Medicine
- United Hospital District Clinics

Two medical groups out of 83 groups (2 percent) were relatively stable with average or below-average performance over three years:

- Lakewood Health Center
- MinuteClinic

There was no discernable pattern for 59 out of 83 groups (71 percent).

“Getting Better” measures

Appropriate Testing for Children with Pharyngitis

This measures the percentage of children ages 2-18 with pharyngitis (a sore throat) who were given a group A streptococcus (strep) test and an antibiotic, rather than just an antibiotic for the episode period (July 1 of prior year to June 30 of measurement year). Since pharyngitis may be caused by a virus, best practice is to test for strep prior to ordering an antibiotic. A higher rate represents better performance (i.e., appropriate testing). The data collected for this measure are from health plan claims (See Glossary).

MHCP patients have a significantly lower rate of Appropriate Testing for Children with Pharyngitis than patients enrolled with Other Purchasers ($p < 0.05$). This means that fewer MHCP patients with pharyngitis who received an antibiotic also received appropriate testing. The MHCP statewide rate for Appropriate Testing for Children with Pharyngitis is 87 percent; the rate for Other Purchasers is 90 percent. Table 9 displays these statewide rates.

Table 9: Statewide Rates* for Appropriate Testing for Children with Pharyngitis

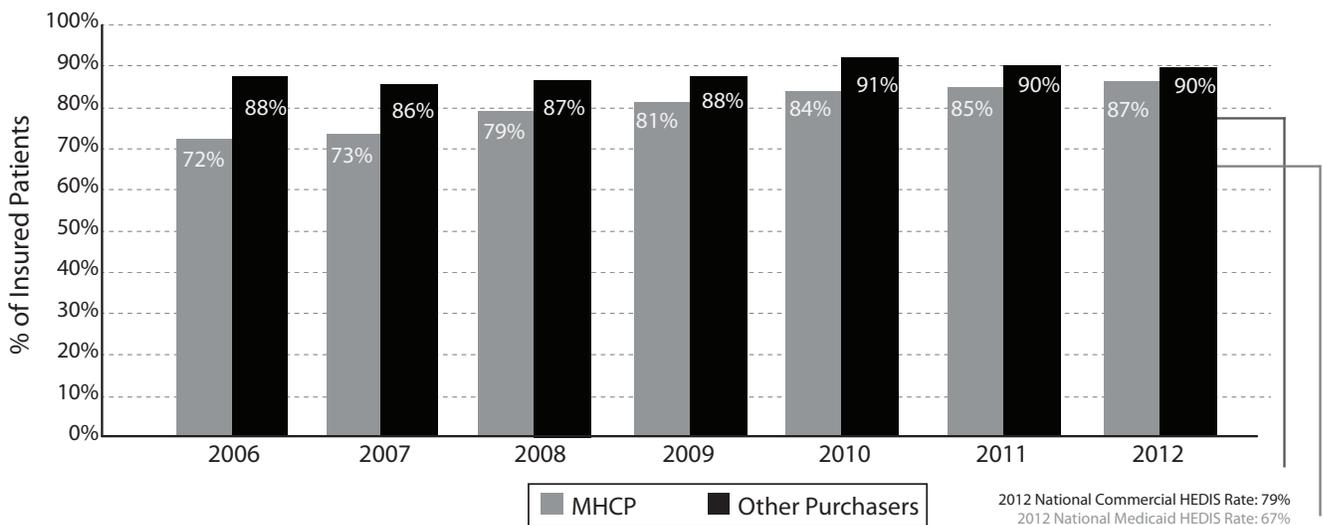
Purchasers	Statewide Rate	95% CI**	Denominator
MHCP	86.8%	86.2% - 87.3%	15,891
Other Purchasers	90.0%	89.7% - 90.4%	28,241

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 9 displays the statewide rates over time. The statewide rate for MHCP patients has improved every year since 2006, while the statewide rate for patients enrolled with Other Purchasers remained relatively stable. The gaps between purchasers have narrowed every year since 2006 and the change from 2006 to 2012 is statistically significant ($p_{trend} = 0.001$).

The figure also displays the 2012 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide rates for MHCP patients and patients enrolled with Other Purchasers are both well above their respective national HEDIS benchmarks.

Figure 9: Appropriate Testing for Children with Pharyngitis Statewide Rates over Time



Medical Group Performance Highlights

Chart 9 provides the MHCP Appropriate Testing for Children with Pharyngitis rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 90 medical groups are reportable for this measure because they had at least 30 patients that met the measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 90 medical groups account for 13,920 of the 15,891 MHCP patients (88 percent) who are eligible for this measure statewide. The 90 reportable medical groups account for 36 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical groups, **Express Healthcare, Central Pediatrics, Southdale Pediatric Associates Ltd, Urgent Care Doctor's Office, PA, Family Practice Medical Center of Willmar, Priority Pediatrics Urgent Care,** and **Wayzata Children's Clinic**, achieved best practice with 100 percent of their MHCP patients, while the least successful, **Thao Xoua MD**, achieved best practice with only 3 percent of their MHCP patients. A detailed table of medical group rates can be found in Appendix 3.

Chart 9: Appropriate Testing for Children with Pharyngitis
(Minnesota Health Care Programs with 30+ patients in denominator)

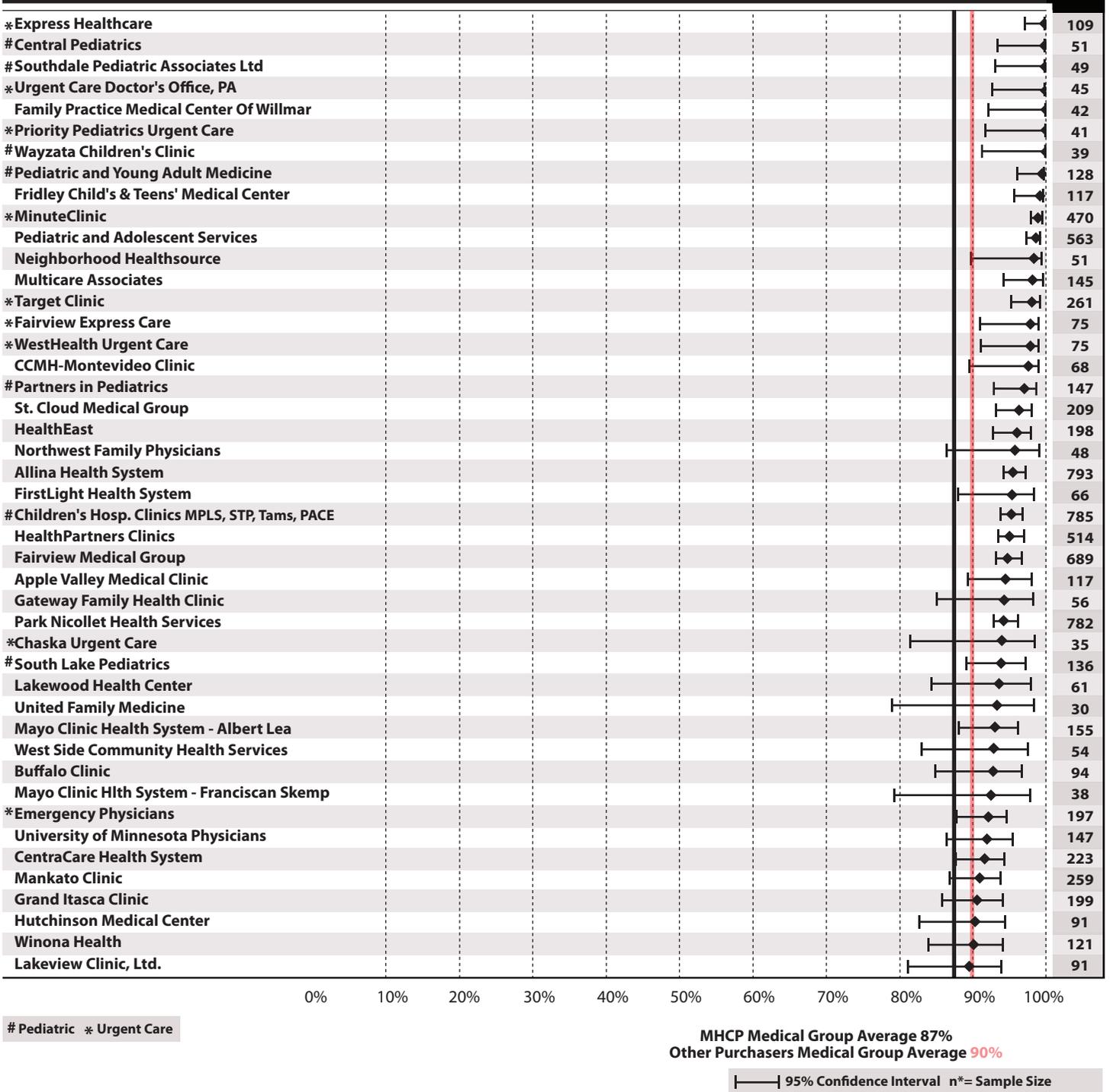
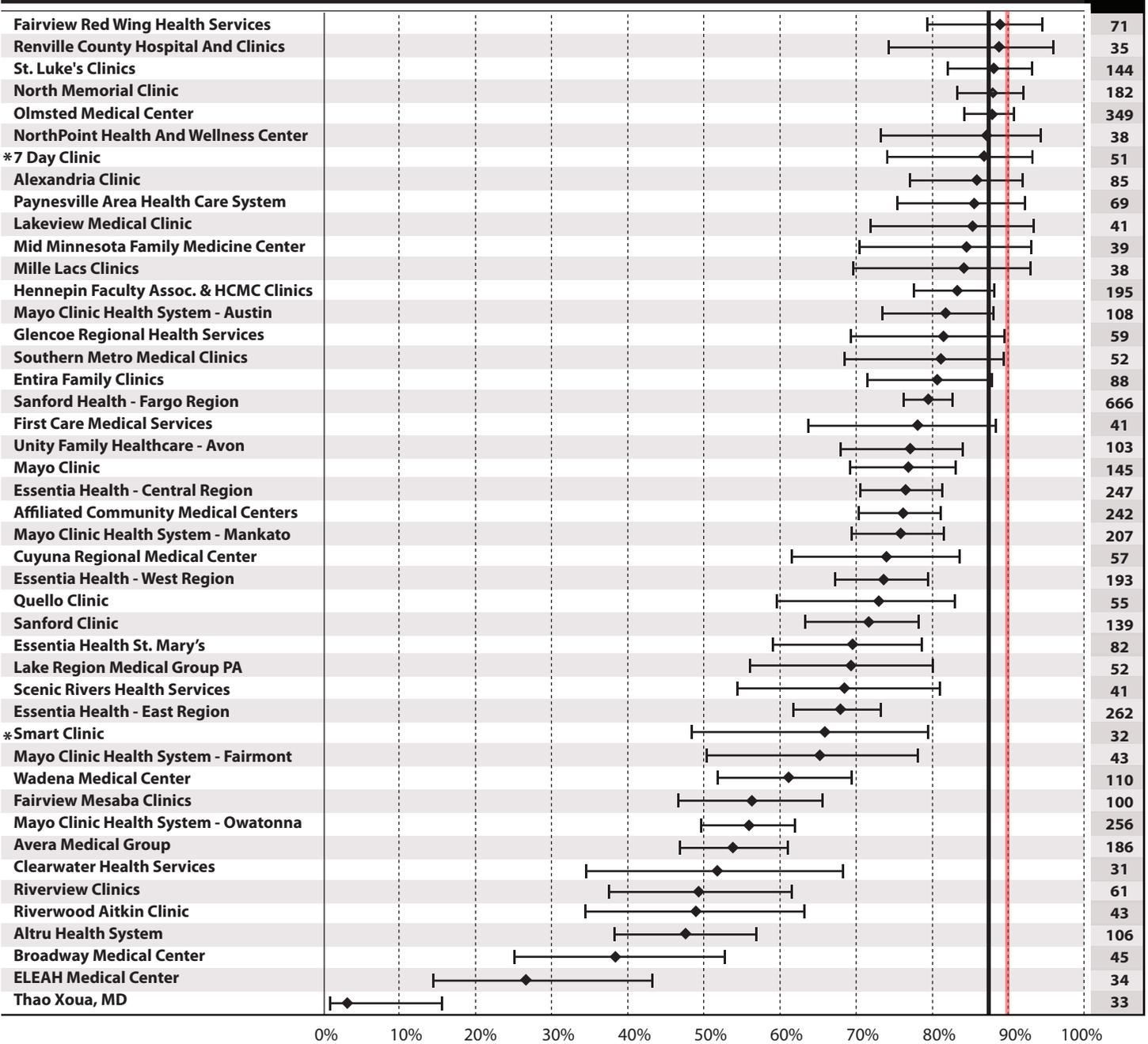


Chart 9: Appropriate Testing for Children with Pharyngitis - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



Pediatric * Urgent Care

MHCP Medical Group Average 87%
 Other Purchasers Medical Group Average 90%

—| 95% Confidence Interval n*= Sample Size

Getting Better

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Express Healthcare, Central Pediatrics, Southdale Pediatric Associates Ltd, Urgent Care Doctor's Office, PA, Family Practice Medical Center of Willmar, Priority Pediatrics Urgent Care, and Wayzata Children's Clinic, had the highest rate of **Appropriate Testing of Children with Pharyngitis** with their MHCP patients, at 100 percent. Thirty-one medical groups had rates and confidence intervals that were greater than the medical group average of 87 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Express Healthcare
- Central Pediatrics
- Southdale Pediatric Associates Ltd
- Urgent Care Doctor's Office, PA
- Family Practice Medical Center Of Willmar
- Priority Pediatrics Urgent Care
- Wayzata Children's Clinic
- Pediatric And Young Adult Medicine
- Fridley Children's & Teenagers' Medical Center
- MinuteClinic
- Pediatric And Adolescent Services
- Neighborhood Healthsource
- Multicare Associates of the Twin Cities
- Target Clinic
- Fairview Express Care
- WestHealth Urgent Care
- CCMH-Montevideo Clinic
- Partners in Pediatrics
- St. Cloud Medical Group - Integrity
- HealthEast
- Allina Health System
- FirstLight Health System
- Children's Hospital Clinics Mpls, St. Paul, Tams, PACE
- HealthPartners Clinics
- Fairview Medical Group
- Apple Valley Medical Clinic
- Park Nicollet Health Services
- South Lake Pediatrics - Children's Physician Network
- Albert Lea Clinic - Mayo Health System
- Emergency Physicians
- CentraCare Health System

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Appropriate Testing for Children with Pharyngitis was made by **Hutchinson Medical Center** and **Riverview Clinics**, each achieving a 17 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Results

Medical group performance over time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Fifty-six medical groups have three years of data: 2010,2011, and 2012.

The following 13 medical groups (23 percent) achieved high performance each year over the past three years for Testing for Children with Pharyngitis:

- Chippewa County Montevideo Hospital and Clinic
- Children's Hospital Clinics Mpls, St. Paul, Tams, PACE
- Emergency Physicians
- Express Healthcare
- Fridley Children's & Teenagers' Medical Center
- HealthEast
- HealthPartners Clinics
- MinuteClinic
- Multicare Associates of the Twin Cities
- Park Nicollet Health Services
- Pediatric and Adolescent Services
- Pediatric and Young Adult Medicine

Six medical groups out of 56 groups (11 percent) consistently improved in performance over three years:

- Essentia Health - Central Region
- Innovis Health
- Lakewood Health Center
- Mayo Clinic Health System - Fairmont
- Mayo Clinic Health System - Immanuel St. Joseph
- North Memorial Clinic

Five medical groups out of 56 groups (9 percent) consistently declined in performance over three years:

- Broadway Medical Center
- Mayo Clinic Health System - Owatonna
- University of Minnesota Physicians
- Wadena Medical Center
- West Side Community Health Services

There was no discernable pattern for 38 out of 56 groups (68 percent).

“Staying Healthy” measures

Breast Cancer Screening

This measures the percentage of women ages 52-69 who received a mammogram in the prior two years. The data for this measure are collected from health plan claims (See Glossary).

MHCP patients have a significantly lower rate of Breast Cancer Screening than patients enrolled with Other Purchasers ($p < 0.05$). The MHCP statewide rate for Breast Cancer Screening is 61 percent; the rate for Other Purchasers is 73 percent. This means that statewide, 61 percent of women enrolled in MHCP had Breast Cancer Screening according to guidelines, while 73 percent of women enrolled with Other Purchasers did so. Table 10 displays these statewide rates.

Table 10: Statewide Rates* for Breast Cancer Screening

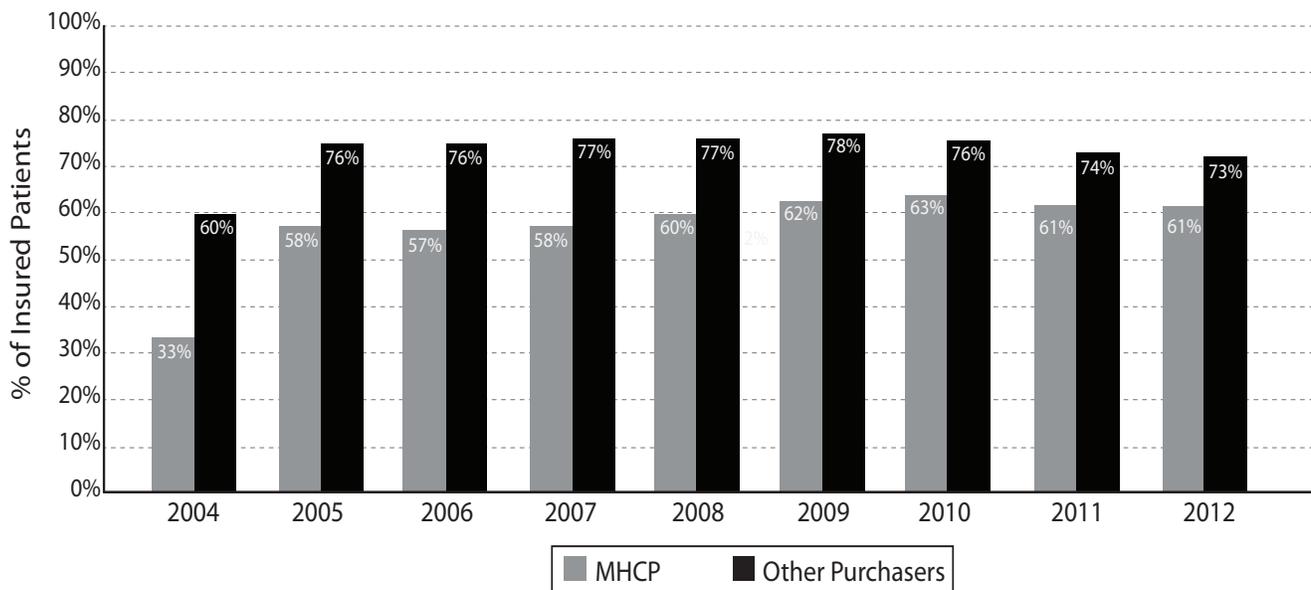
Purchasers	Statewide Rate*	95% CI**	Denominator
MHCP	60.8%	60.0% - 61.1%	14,091
Other Purchasers	73.3%	73.1% - 73.5%	274,004

*Statewide Average (above) includes those patients attributed to a medical group AND those who could not be attributed to a medical group.

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 10 displays the statewide rates over time. The rates for both purchasers improved between 2004 and 2010. In 2011, the rates slightly decreased and since then have remained relatively stable. Gaps between purchasers have been present every year since 2004; the gap declined substantially between 2004 and 2005, and declined gradually from 2007 to 2010. From 2004 to 2012 the gap has significantly declined (ptrend = 0.001).

Figure 10: Breast Cancer Screening Rates over Time

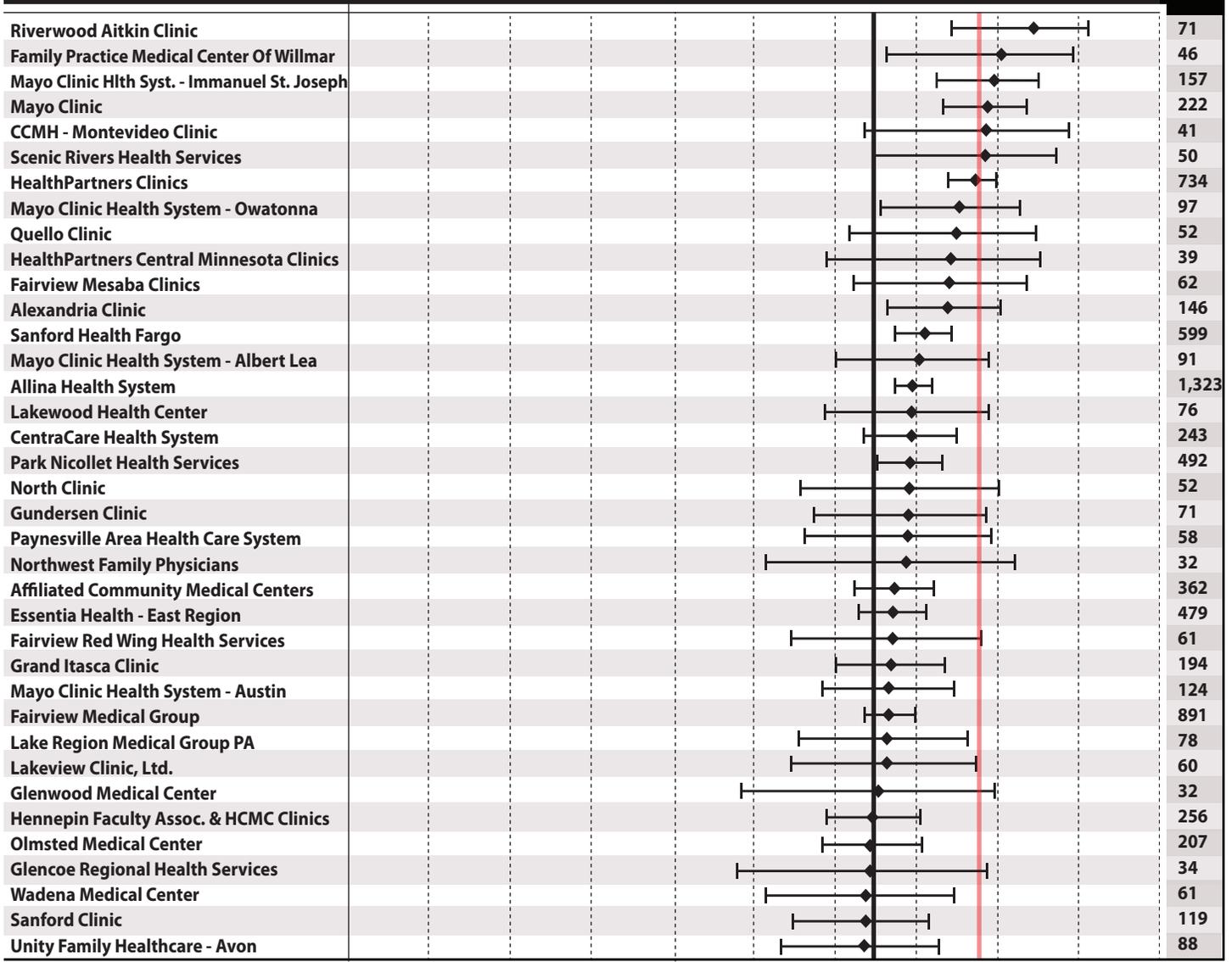


Medical Group Performance Highlights

Chart 10 provides the MHCP Breast Cancer Screening rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 75 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 75 medical groups account for 11,202 of the 14,091 MHCP patients (79 percent) who are eligible for this measure statewide. The 75 reportable medical groups account for 25 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Riverwood Aitkin Clinic**, achieved best practice with 85 percent of their MHCP patients, while the least successful, **Cedar Riverside People's Center**, achieved it with only 19 percent of their MHCP patients. A detailed table of medical group rates can be found in Appendix 3.

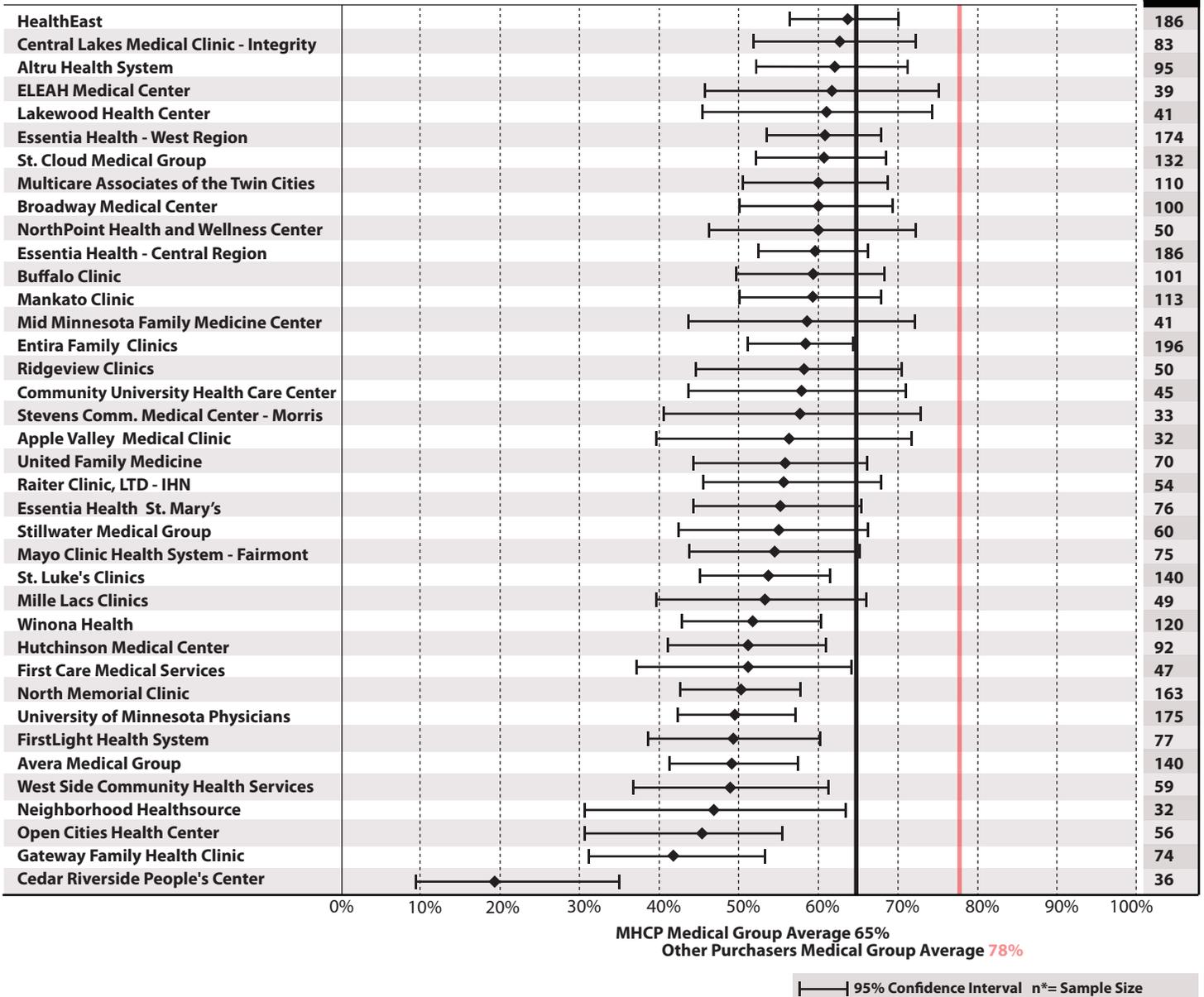
Chart 10: Breast Cancer Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)



MHCP Medical Group Average 65%
 Other Purchasers Medical Group Average 78%

— 95% Confidence Interval n*= Sample Size

Chart 10: Breast Cancer Rates by Medical Group - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Riverwood Aitkin Clinic had the highest **Breast Cancer Screening** rate for MHCP patients, at 85 percent. Ten medical groups had rates and confidence intervals that were greater than the medical group average of 65 percent for patients enrolled in MHCP. Medical groups are listed below in performance order from high to low.

- Riverwood Aitkin Clinic
- Family Practice Medical Center Of Willmar
- Mayo Clinic Health System - Immanuel St. Joseph
- Mayo Clinic
- HealthPartners Clinics
- Mayo Clinic Health System - Owatonna
- Alexandria Clinic
- Sanford Health Fargo
- Allina Health System
- Park Nicollet Health Services

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Breast Cancer Screening was made by **Apple Valley Medical Clinic**, which achieved a 17 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Results

Medical group performance over time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Fifty-six medical groups have three years of data: 2010, 2011, and 2012.

The following five medical groups (9 percent) achieved high performance each year over the past three years for Breast Cancer Screening:

- Alexandria Clinic
- HealthPartners Clinics
- Mayo Clinic
- Mayo Clinic Health System - Owatonna
- Park Nicollet Health Services

Two medical groups out of 56 groups (4 percent) consistently improved in performance over three years:

- CentraCare Health System
- Riverwood Aitkin Clinic

Eleven medical groups out of 56 groups (20 percent) consistently declined in performance over three years:

- Avera Medical Group
- Buffalo Clinic
- Fairview Mesaba Clinics
- Hennepin Faculty Associates & HCMC Clinics
- Mayo Clinic Health System - Fairmont
- Multicare Associates of the Twin Cities
- Neighborhood Healthsource
- North Memorial Clinic
- NorthPoint Health And Wellness Center
- St. Luke's Clinics
- Winona Health

There was no discernable pattern for 41 out of 56 groups (73 percent).

“Staying Healthy” measures

Cervical Cancer Screening

This measures the percentage of women ages 24-64 who received one or more Pap tests to screen for cervical cancer in the measurement year or the two years prior to the measurement year. The data for this measure are collected from health plan claims (See Glossary).

For MHCP patients, the continuous enrollment requirement is one year. Cervical Cancer Screening is the only measure that, according to HEDIS definitions, has a different continuous enrollment criterion for MHCP patients (one year) versus patients enrolled with Other Purchasers (three years). This adjustment in the continuous enrollment criterion allows more MHCP patients to be represented in the measure denominator. The look back period of three years is used for both patient populations to calculate the numerator. Because of the different continuous enrollment criteria for MHCP and Other Purchaser patients, rates for the two populations may be less comparable than for other measures in this report. Comparisons between these populations for this measure should be made with caution.

MHCP patients have a significantly lower rate of Cervical Cancer Screening than patients enrolled with Other Purchasers ($p < 0.05$). The MHCP statewide rate for Cervical Cancer Screening is 69 percent; the rate for Other Purchasers is 76 percent. Table 11 displays these statewide rates.

Table 11: Statewide Rates* for Cervical Cancer Screening

Purchasers	Statewide Rate*	95% CI**	Denominator
MHCP	69.1%	68.8% - 69.5%	68,638
Other Purchasers	75.8%	75.7% - 75.9%	379,979

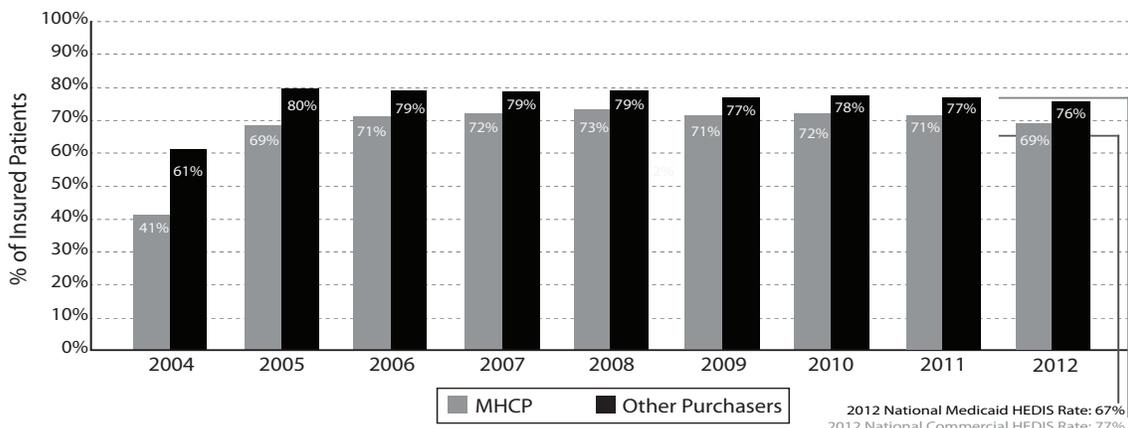
*Statewide Average (above) includes those patients attributed to a medical group AND those who could not be attributed to a medical group.

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 11 displays the statewide rates over time. The rates for patients of both purchasers increased substantially from 2004 to 2005, remained fairly stable between 2006 and 2011, but have slightly declined in 2012. The gap between purchasers has narrowed from 2004 to 2008 and has remained relatively stable since then. The change since 2004 is statistically significant ($p_{trend} = 0.029$).

The figure also includes the 2012 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide MHCP rate exceeded the 2012 national Medicaid HEDIS benchmark; the Other Purchasers rate is slightly lower than the 2012 national HEDIS Commercial benchmark.

Figure 11: Cervical Cancer Screening Statewide Rates over Time

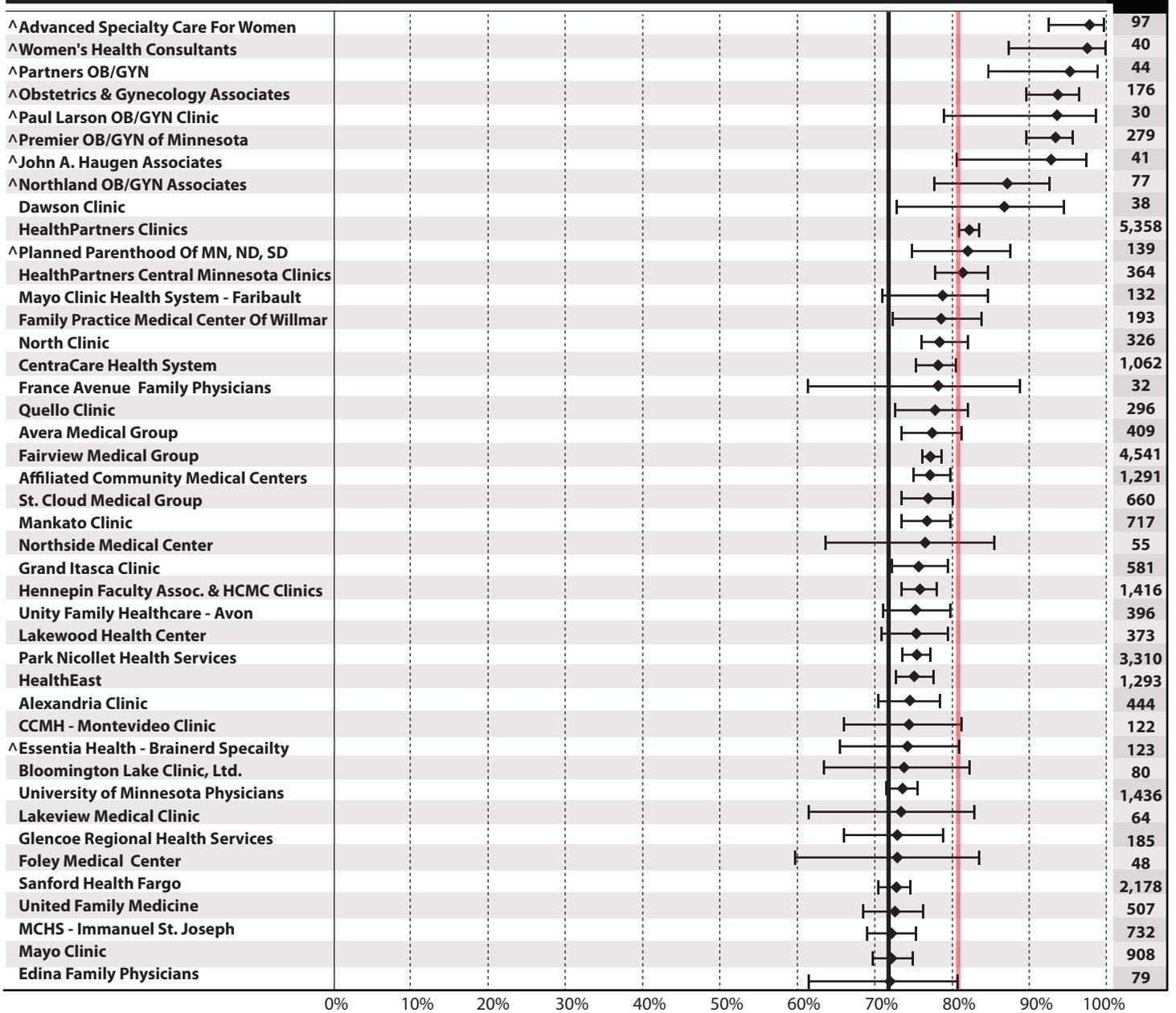


Medical Group Performance Highlights

Chart 11 provides the MHCP Cervical Cancer Screening rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 130 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 126 medical groups account for 58,937 of the 68,638 MHCP patients (86 percent) who are eligible for this measure statewide. The 130 reportable medical groups account for 29 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical groups, **Advanced Specialty Care For Women** and **Women's Health Consultants**, achieved best practice with 98 percent of their MHCP patients, while the least successful, **Advanced Medical Clinic** and **Dr. Bobby K. Yang Medical Clinic**, achieved it with only 37 percent of their MHCP patients. A detailed table of medical group rates can be found in Appendix 3.

Chart 11: Cervical Cancer Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)

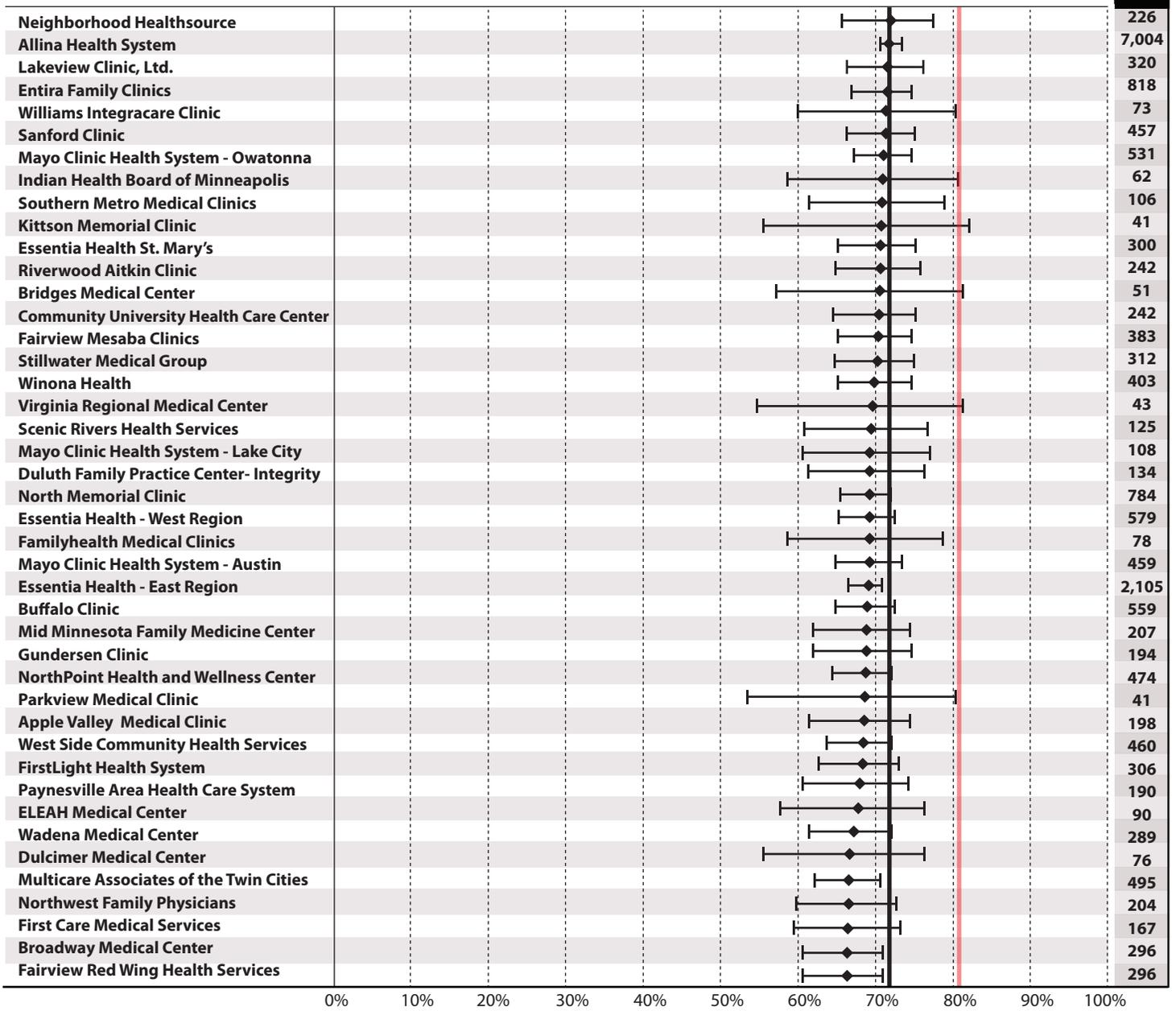


MHCP Medical Group Average 72%
 Other Purchasers Medical Group Average 81%

^ OB/GYN * Urgent Care

— 95% Confidence Interval n* = Sample Size

Chart 11: Cervical Cancer Rates by Medical Group - continued
(Minnesota Health Care Programs with 30+ patients in denominator)

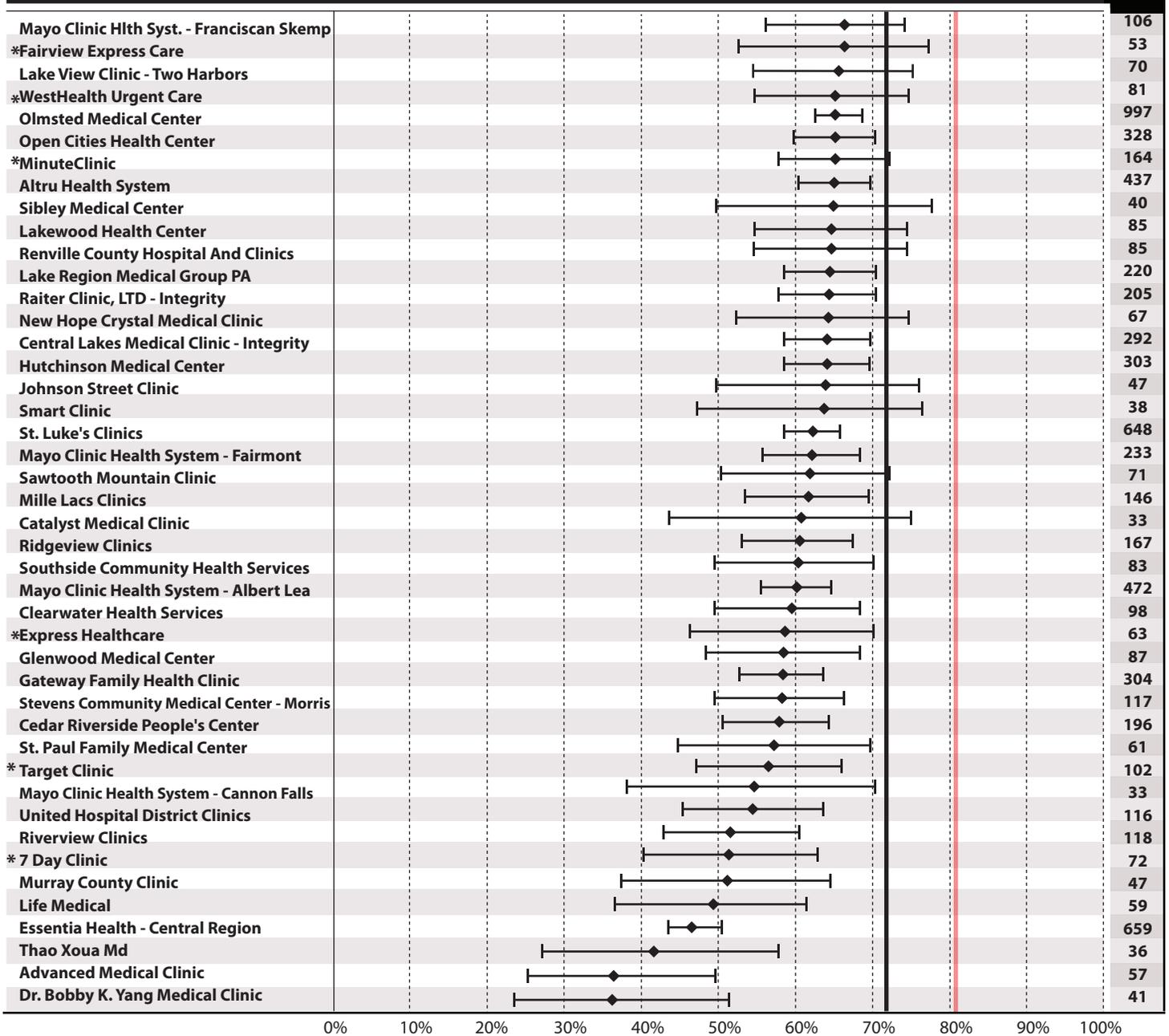


MHCP Medical Group Average 72%
Other Purchasers Medical Group Average 81%

^ OB/GYN * Urgent Care

— 95% Confidence Interval n*= Sample Size

Chart 11: Cervical Cancer Rates by Medical Group - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



^ OB/GYN * Urgent Care

MHCP Medical Group Average 72%
 Other Purchasers Medical Group Average 81%

— 95% Confidence Interval n*= Sample Size

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Advanced Specialty Care for Women and **Women's Health Consultants** had the highest **Cervical Cancer Screening** rate for MHCP patients, at 98 percent. Twenty-four medical groups had rates and confidence intervals that were greater than the medical group average of 72 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Advanced Specialty Care For Women
- Women's Health Consultants
- Partners Ob/Gyn
- Obstetrics & Gynecology Associates
- Paul Larson Ob/Gyn Clinic
- Premier OB/GYN of Minnesota
- John A. Haugen Assoc.
- Northland Ob-Gyn Assoc.
- Dawson Clinic
- HealthPartners Clinics
- Planned Parenthood Of MN, ND, SD
- HealthPartners Central Minnesota Clinics
- Family Practice Medical Center Of Willmar
- North Clinic
- CentraCare Health System
- Quello Clinic
- Avera Medical Group
- Fairview Medical Group
- Affiliated Community Medical Centers
- St. Cloud Medical Group
- Mankato Clinic
- Hennepin Faculty Associates & HCMC Clinics
- Park Nicollet Health Services
- HealthEast

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Cervical Cancer Screening was made by **Lakeview Clinic - Two Harbors**, which achieved a 24 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Results

Medical group performance over time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Ninety-eight medical groups have three years of data: 2010, 2011, and 2012.

The following eight medical groups (8 percent) achieved high performance each year over the past three years for Cervical Cancer Screening:

- CentraCare Health System
- HealthPartners Central Minnesota Clinics
- HealthPartners Clinics
- John A. Haugen Assoc.
- Mankato Clinic
- Obstetrics & Gynecology Associates
- Park Nicollet Health Services
- Quello Clinic

Four medical group out of 98 groups (4 percent) consistently improved in performance over three years:

- Foley Medical Center
- Grand Itasca Clinic
- MinuteClinic
- Unity Family Healthcare - Avon

Seven medical groups out of 98 groups (7 percent) consistently declined in performance over three years:

- Altru Health System
- Central Lakes Medical Clinic - Integrity
- Glencoe Regional Health Services
- Olmsted Medical Center
- Riverview Clinics
- Southside Community Health Services
- Stevens Community Medical Center - Morris

Eleven medical groups out of 98 groups (11 percent) were relatively stable with average or below-average performance over three years:

- Allina Health System
- Broadway Medical Center
- Familyhealth Medical Clinics
- Gundersen Clinic
- Hennepin Faculty Associates & HCMC Clinics
- Innovis Health
- Mayo Clinic Health System - Faribault
- Sanford Health Fargo
- United Family Medicine
- Wadena Medical Center
- Winona Health

There was no discernable pattern for 75 out of 98 groups (70 percent).

Please see next page.

“Staying Healthy” measures

Colorectal Cancer Screening

July 1, 2011 - June 30, 2012 Dates of Service

This measures the percentage of adults ages 51-75 who are up to date with the appropriate screening for colorectal cancer. Appropriate screenings for purposes of this measure include one of the following:

- Fecal occult blood test (FOBT) during the measurement year.
- Flexible sigmoidoscopy during the measurement year or the four years prior.
- Colonoscopy during the measurement year or the nine years prior.

Medical groups and clinics report data directly to MNMCM for this measure based on electronic health records or paper-based medical charts (See Glossary).

MHCP patients have a significantly lower rate of Colorectal Cancer Screening than patients enrolled with Other Purchasers ($p < 0.05$). The MHCP statewide rate for Colorectal Cancer Screening is 50 percent; the rate for Other Purchasers is 70 percent. This means that statewide, 50 percent of patients enrolled in MHCP had Colorectal Cancer Screening according to guidelines, while 70 percent of patients enrolled with Other Purchasers did so. Table 12 displays these statewide rates.

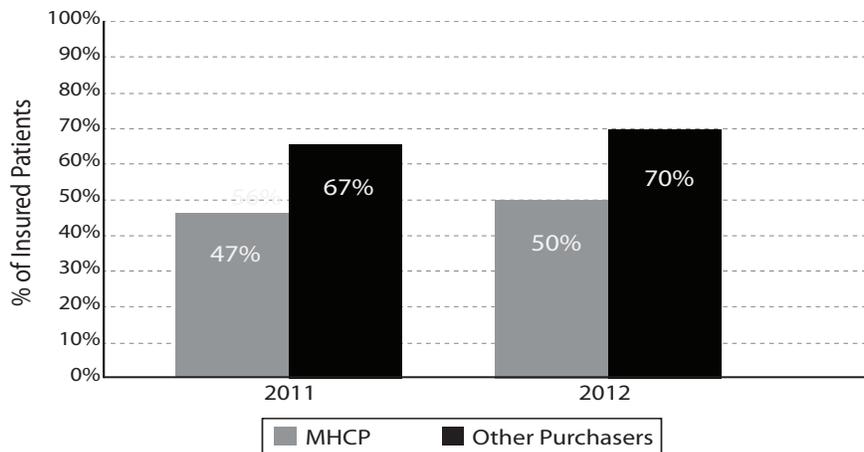
Table 12: Statewide Clinic Level Rate for Colorectal Cancer Screening

Purchasers	Statewide Weighted Rate*	95% CI	Denominator (Patients Sampled)
MHCP	49.7%	49.3% - 50.2%	41,396
Other Purchasers	70.1%	70.0% - 70.2%	588,281

*The statewide weighted rate includes all patients eligible for the measures who were reported directly to MNMCM by medical groups and clinics from electronic health records or paper-based medical charts.
 **A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 12 Colorectal Cancer Screening Statewide Rates over Time

Figure 12 displays the statewide rates over time. The rate at which this health care best practice was successfully achieved with patients of both purchasers has increased since the first year of reporting in 2011. However, gaps between purchasers have been present for both 2011 and 2012.

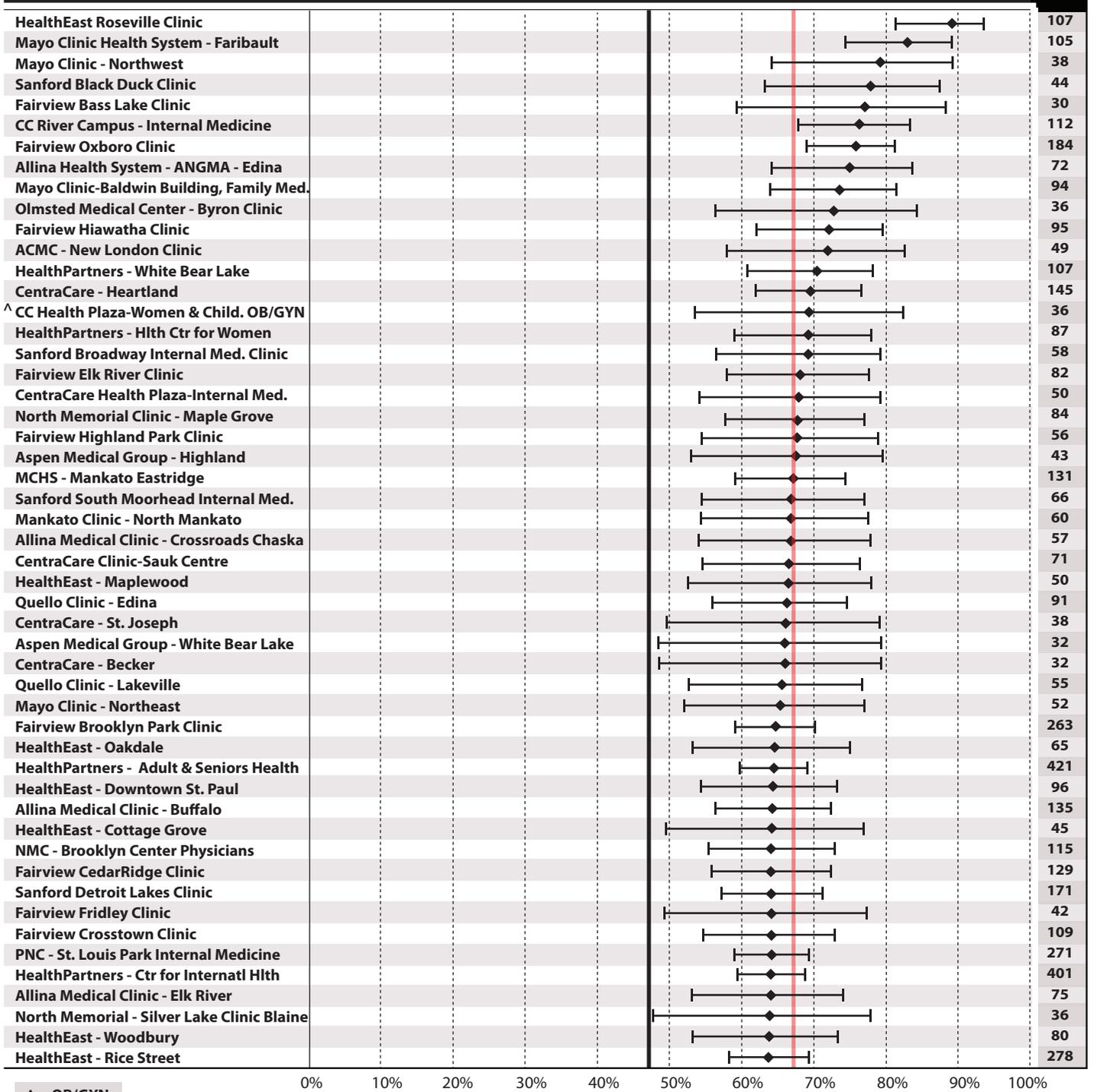


Clinic Performance Highlights

Chart 12.1 provides the MHCP Colorectal Cancer Screening rate by clinic from highest to lowest. It also includes the average clinic rates for MHCP and Other Purchasers. For the 2012 report year, 301 clinics are reportable for this measure because they had at least 30 patients that met the measurement specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 301 clinics account for 38,955 of the 41,396 MHCP patients (94 percent) who were eligible for this measure statewide. The 301 reportable clinics account for 52 percent of clinics providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which clinics were successful in achieving this healthcare best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a clinic. The most successful clinic, **HealthEast Roseville Clinic**, achieved best practice with 89 percent of their MHCP patients, while **Bluestone Physician Services**, was the least successful having achieved it with only 8 percent. Performance variation is not unique to MHCP and it indicates that some clinics are achieving best practice goals for more of their patients than other clinics are, which identifies room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

Chart 12.1: Colorectal Cancer Screening Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



^ = OB/GYN

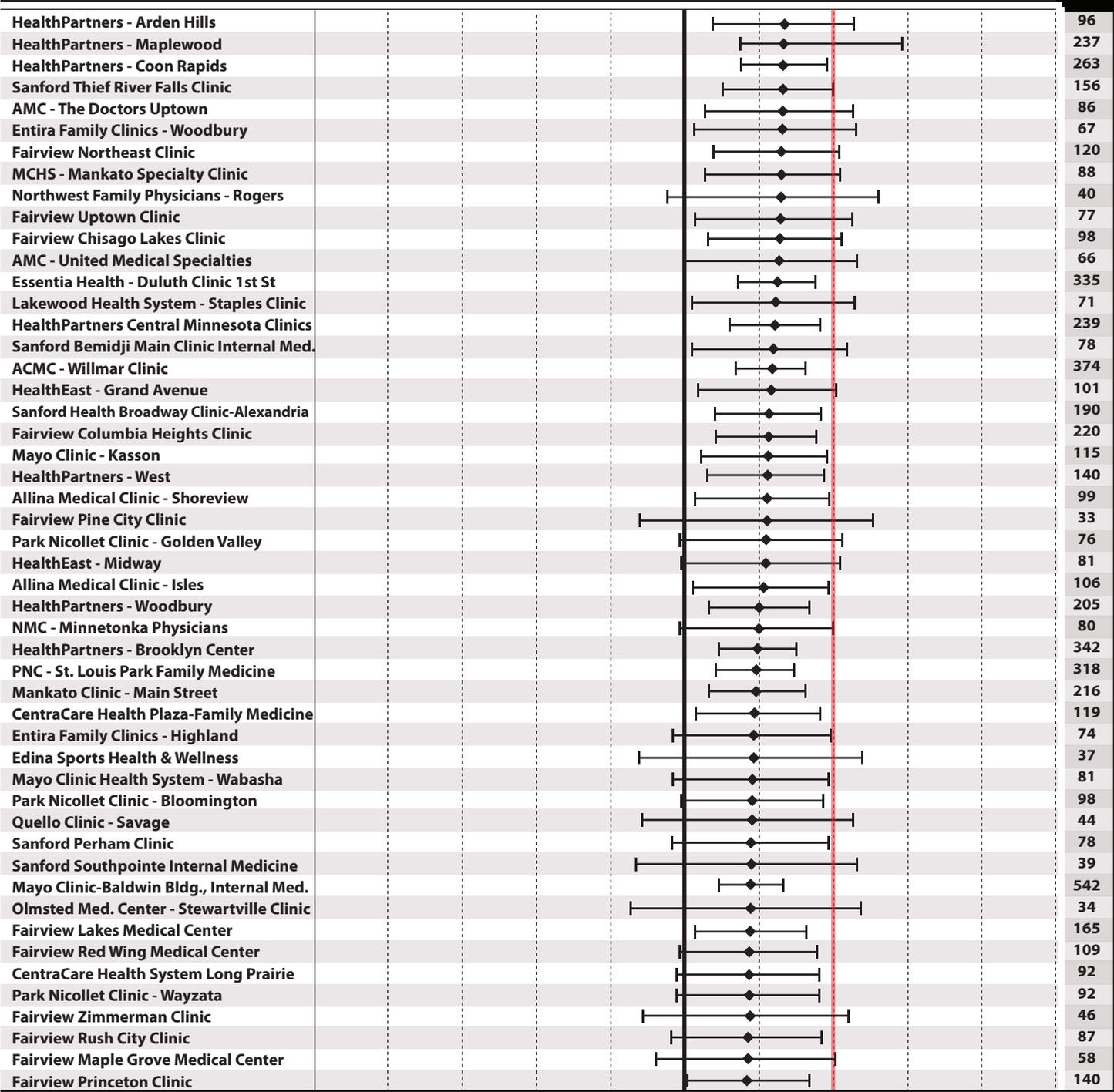
MHCP Clinic Average 50%
Other Purchasers Clinic Average 70%

95% Confidence Interval n*= Sample Size

- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NM - North Memorial
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Chart 12.1: Colorectal Cancer Screening Rates by Clinic - continued

(Minnesota Health Care Programs with 30+ patients in denominator)



^ = OB/GYN

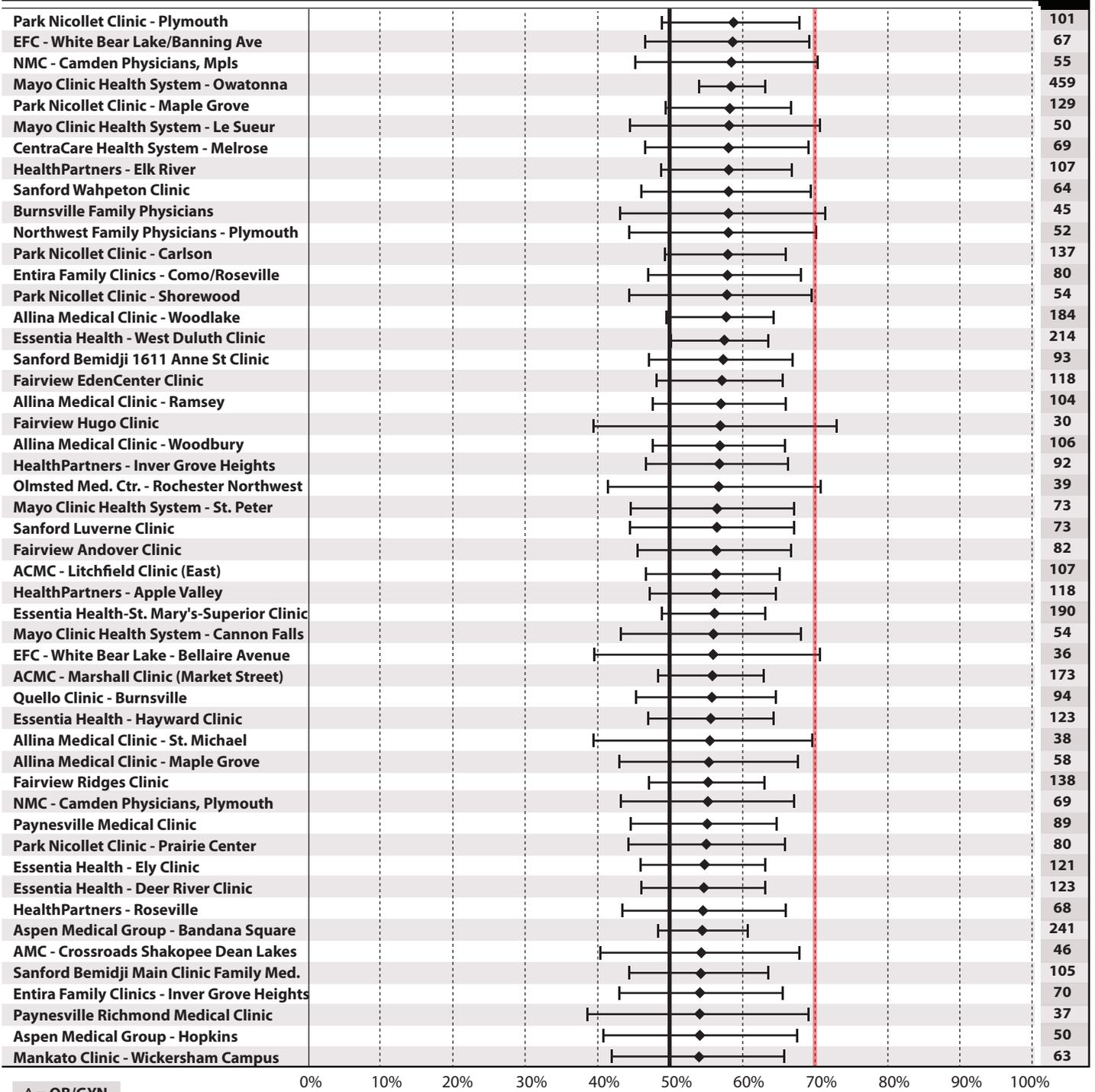
MHCP Clinic Average 50%
Other Purchasers Clinic Average 70%

— 95% Confidence Interval n* = Sample Size

- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
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- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NM - North Memorial
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Staying Healthy

Chart 12.1: Colorectal Cancer Screening Rates by Clinic - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



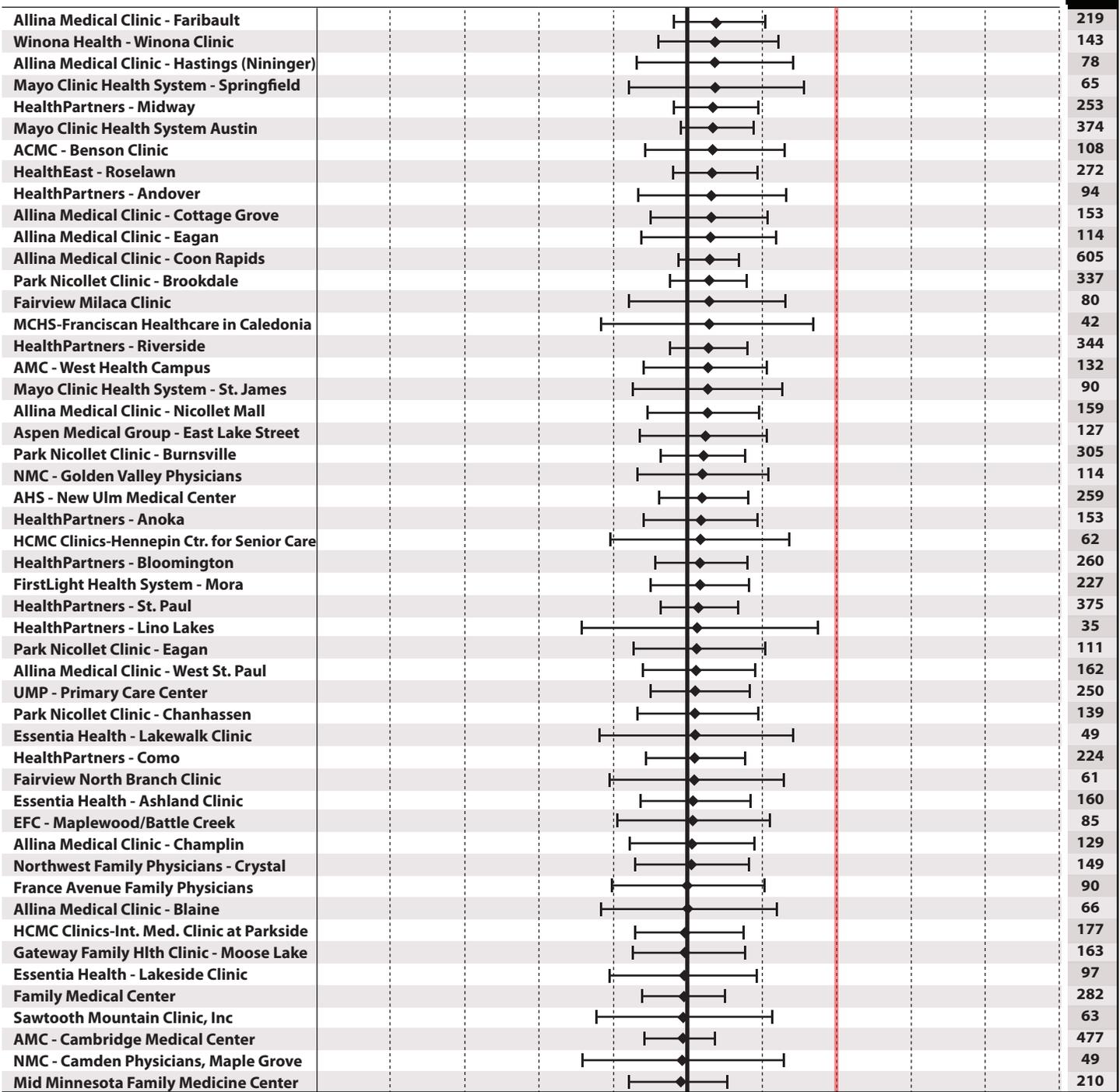
^ = OB/GYN

MHCP Clinic Average 50%
 Other Purchasers Clinic Average 70%

— 95% Confidence Interval n*= Sample Size

- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NM - North Memorial
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Chart 12.1: Colorectal Cancer Screening Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



^ = OB/GYN

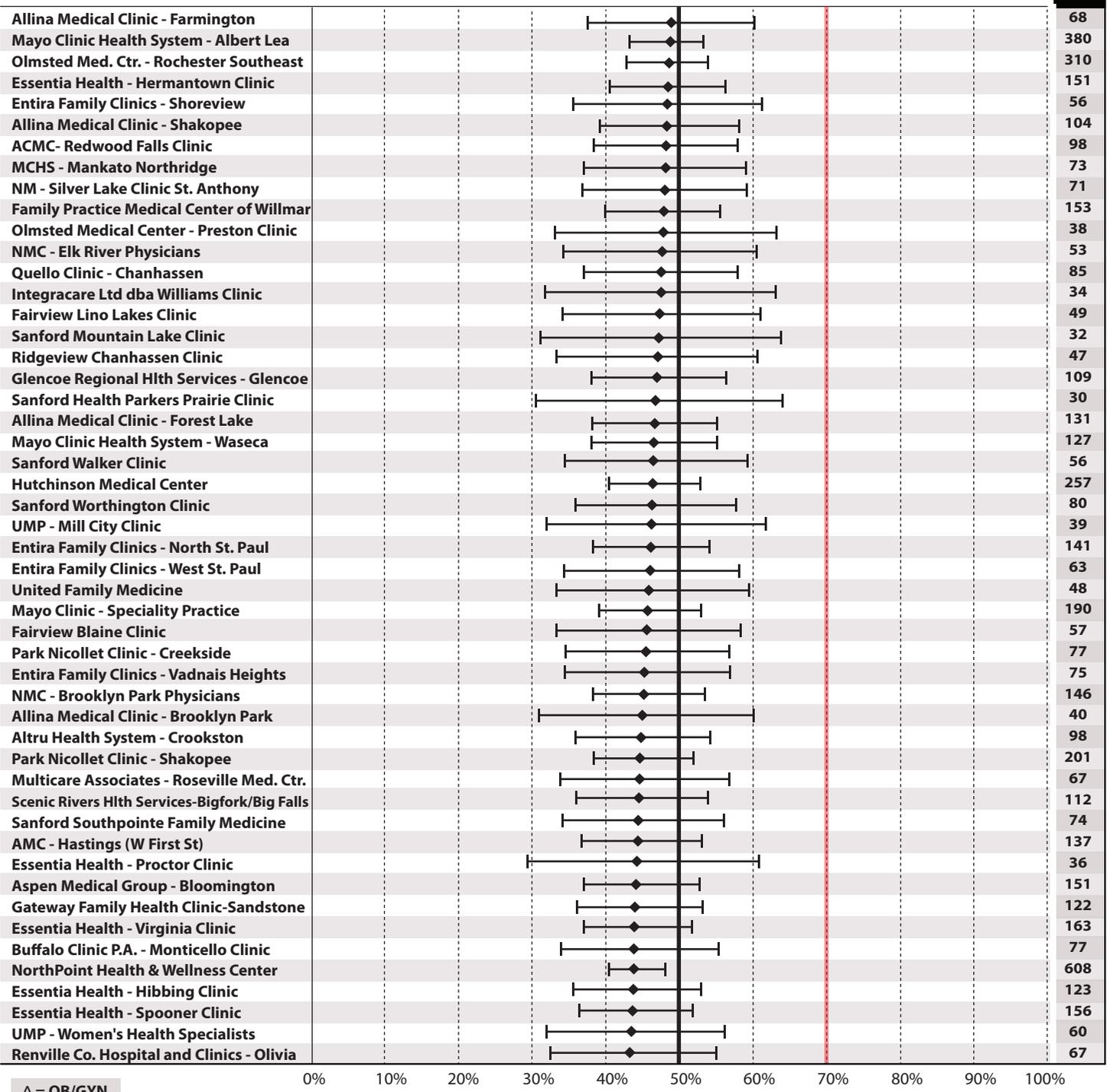
MHCP Clinic Average 50%
Other Purchasers Clinic Average 70%

— 95% Confidence Interval n* = Sample Size

- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NM - North Memorial
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Staying Healthy

Chart 12.1: Colorectal Cancer Screening Rates by Clinic - continued
 (Minnesota Health Care Programs with 30+ patients in denominator)



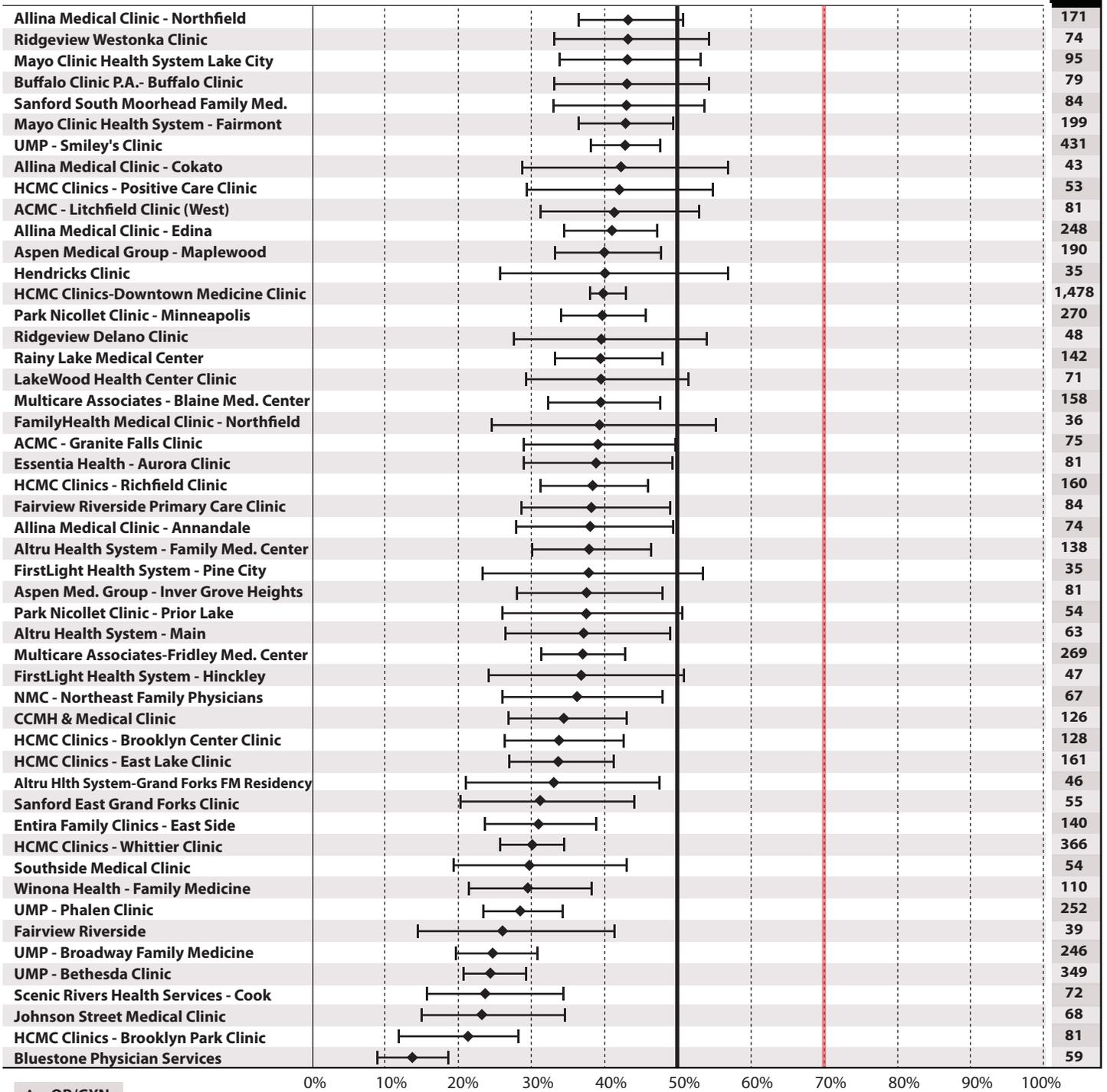
△ = OB/GYN

MHCP Clinic Average 50%
 Other Purchasers Clinic Average 70%

— 95% Confidence Interval n*= Sample Size

- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NM - North Memorial
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Chart 12.1: Colorectal Cancer Screening Rates by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)



^ = OB/GYN

MHCP Clinic Average 50%
Other Purchasers Clinic Average 70%

—| 95% Confidence Interval n*= Sample Size

- ACMC - Affiliated Community Medical Centers
- AHS - Allina Health System
- AMC - Allina Medical Clinic
- CC - CentraCare
- CCMH - Chippewa County Montevideo Hospital
- EFC - Entira Family Clinics
- HCMC - Hennepin County Medical Center
- NH - Neighborhood Healthsource
- NM - North Memorial
- NMC - North Memorial Clinic
- PNC - Park Nicollet Clinic
- SMG - Stillwater Medical Group
- UMP - University of Minnesota Physicians

Staying Healthy

Performance Highlights - Clinic Results

Clinics with Above Average MHCP Rates in Report Year 2012

HealthEast - Roseville Clinic had the highest rate of **Colorectal Cancer Screening** for their MHCP patients at 89 percent. Eighty-one clinics had rates and confidence intervals that were greater than the statewide average of 50 percent for patients enrolled in MHCP. These clinics are listed below in order from high to low for each column and from highest in the left column to lowest in the right column.

- HealthEast - Roseville Clinic
- Mayo Clinic Health System Faribault Hwy 60
- Mayo Clinic - Northwest
- Sanford Black Duck Clinic
- Fairview Bass Lake Clinic
- CentraCare River Campus-Internal Medicine
- Fairview Oxboro Clinic
- Allina Health System - Abbott Northwestern General Medicine Associates - Edina
- Mayo Clinic - Baldwin Building, Family Medicine
- Olmsted Medical Center - Byron Clinic
- Fairview Hiawatha Clinic
- Affiliated Community Medical Centers - New London Clinic
- HealthPartners - White Bear Lake
- CentraCare - Heartland
- CentraCare Health Plaza-Women & Children OB/GYN
- HealthPartners - Hlth Ctr for Women
- Sanford Broadway Internal Medicine Clinic
- Fairview Elk River Clinic
- CentraCare Health Plaza-Internal Medicine
- North Memorial Clinic - Maple Grove
- Fairview Highland Park Clinic
- Aspen Medical Group - Highland
- Mayo Clinic Health System Mankato Eastridge
- Sanford South Moorhead Internal Medicine
- Mankato Clinic - North Mankato
- Allina Medical Clinic - Crossroads Chaska
- CentraCare Clinic-Sauk Centre
- HealthEast - Maplewood
- Quello Clinic - Edina
- CentraCare - St. Joseph
- Quello Clinic - Lakeville
- Mayo Clinic - Northeast
- Fairview Brooklyn Park Clinic
- HealthEast - Oakdale
- HealthPartners - Adult & Seniors Health
- HealthEast - Downtown St. Paul
- Allina Medical Clinic - Buffalo
- HealthEast - Cottage Grove
- North Memorial Clinic - Brooklyn Center Physicians
- Fairview CedarRidge Clinic
- Sanford Detroit Lakes Clinic
- Fairview Crosstown Clinic
- Park Nicollet Clinic - St. Louis Park Internal Medicine
- HealthPartners - Ctr for Internatl Hlth
- Allina Medical Clinic - Elk River
- HealthEast - Woodbury
- HealthEast - Rice Street
- HealthPartners - Arden Hills
- HealthPartners - Maplewood
- HealthPartners - Coon Rapids
- Sanford Thief River Falls Clinic
- Allina Medical Clinic - The Doctors Uptown
- Entira Family Clinics - Woodbury
- Fairview Northeast Clinic
- Mayo Clinic Health System Mankato Specialty
- Fairview Uptown Clinic
- Fairview Chisago Lakes Clinic
- Allina Medical Clinic - United Medical Specialties
- Essentia Health - Duluth Clinic 1st St
- Lakewood Health System - Staples Clinic
- HealthPartners Central Minnesota Clinics
- Sanford Bemidji Main Clinic Internal Medicine
- Affiliated Community Medical Centers - Willmar
- HealthEast - Grand Avenue
- Sanford Health Broadway Clinic - Alexandria
- Fairview Columbia Heights Clinic
- Mayo Clinic - Kasson
- HealthPartners - West
- Allina Medical Clinic - Shoreview
- Allina Medical Clinic - Isles
- HealthPartners - Woodbury
- HealthPartners - Brooklyn Center
- Park Nicollet Clinic - St. Louis Park Family Med.
- Mankato Clinic - Main Street
- CentraCare Health Plaza-Family Medicine
- Mayo Clinic - Baldwin Building, Primary Care Internal Medicine
- Fairview Lakes Medical Center
- Fairview Princeton Clinic
- Mayo Clinic Health System Owatonna
- Allina Medical Clinic - Woodlake
- Essentia Health - West Duluth Clinic

Biggest Improvement from 2011-2012

The biggest improvement since report year 2011 in Colorectal Cancer Screening for clinics was made by **Aspen Medical Group - East Lake Street**, which achieved a 37 percentage point increase in their MHCP patients.

Clinic performance over time (2010-2012)

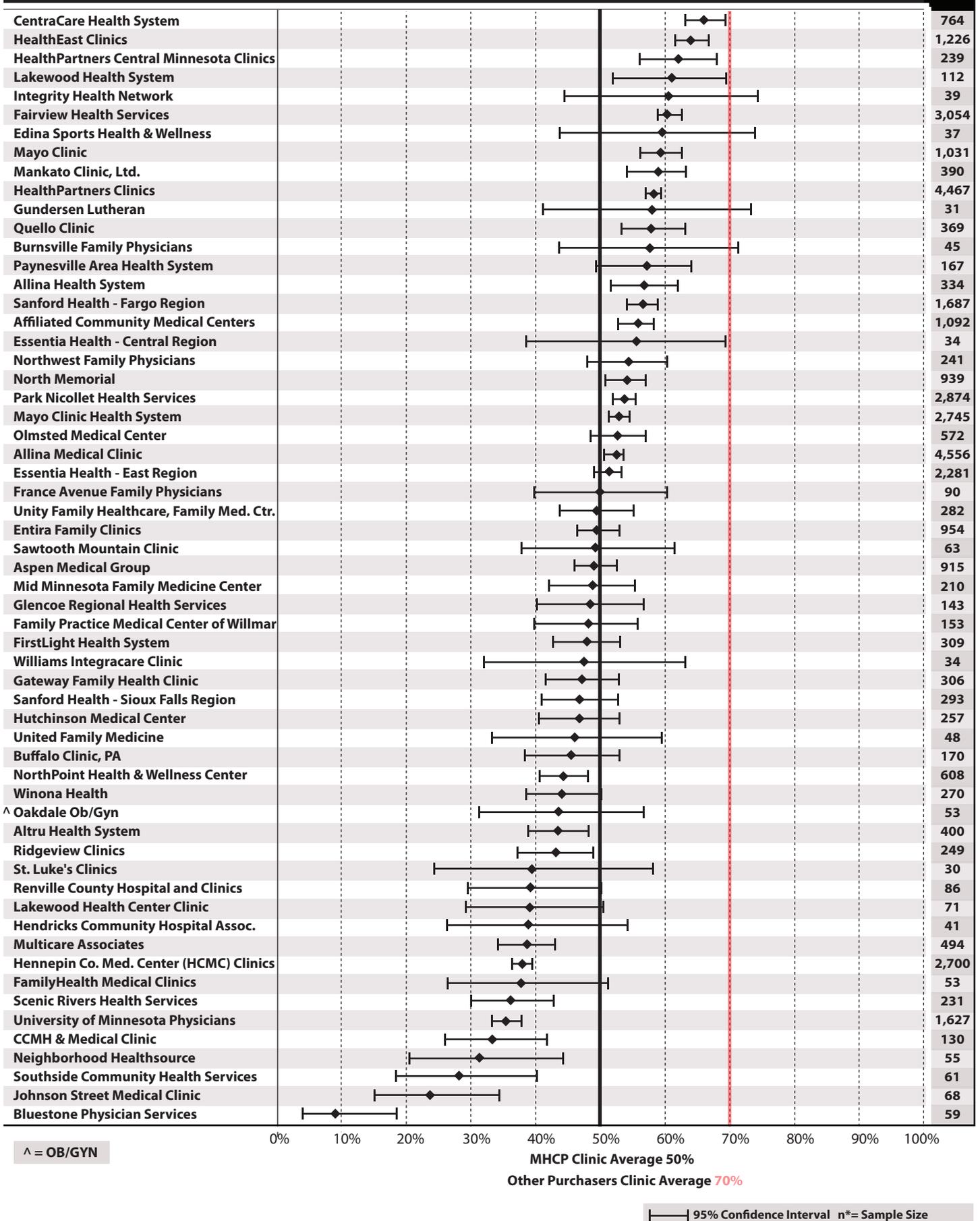
Not applicable.

Medical Group Performance Highlights

Chart 12.2 provides the MHCP Colorectal Cancer Screening rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 59 medical groups are reportable for this measure because they had at least 30 patients that met measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 59 medical groups account for 40,839 of the 41,396 MHCP patients (99 percent) who were eligible for this measure statewide. The 59 reportable medical groups account for 48 percent of medical groups providing care to MHCP patients in Minnesota and surrounding areas who submitted data to MNMCM for this measure.

There was wide variation in the degree to which medical groups were successful in achieving colorectal cancer screening with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **CentraCare Health System**, achieved best practice with 66 percent of their MHCP patients, while **Bluestone Physician Services**, was the least successful having achieved it with only 8 percent. A detailed table of medical group rates can be found in Appendix 3.

Chart 12.2: Colorectal Cancer Screening Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)



Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

CentraCare Health System had the highest rate of **Colorectal Cancer Screening** with their MHCP patients at 66 percent. Sixteen medical groups had rates and confidence intervals that were greater than the statewide average of 50 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- CentraCare Health System
- HealthEast Clinics
- HealthPartners Central Minnesota Clinics
- Lakewood Health System
- Fairview Health Services
- Mayo Clinic
- Mankato Clinic, Ltd.
- HealthPartners Clinics
- Quello Clinic
- Allina Health System
- Sanford Health - Fargo Region
- Affiliated Community Medical Centers
- North Memorial
- Park Nicollet Health Services
- Mayo Clinic Health System
- Allina Medical Clinic

Biggest Improvement from 2011-2012

The biggest improvement since report year 2011 in Colorectal Cancer Screening for medical groups was made by **Aspen Medical Group**, which achieved greater than a 20 percentage point increase in their MHCP patients.

Medical group performance over time (2010-2012)

Not applicable.

“Staying Healthy” measures

Chlamydia Screening in Women

This measures the percentage of sexually active women aged 16-24 who had at least one test for chlamydia during the measurement year. The data for this measure are collected from health plan claims (See Glossary).

MHCP patients have a significantly higher rate of chlamydia screening than patients enrolled with Other Purchasers ($p < 0.05$). The MHCP statewide rate for chlamydia screening was 60 percent; the rate for Other Purchasers was 48 percent. Table 13 displays these statewide rates.

Table 13: Statewide Rates* for Chlamydia Screening in Women

Purchasers	Statewide Rate*	95%**	Denominator
MHCP	59.1%	58.3% - 59.9%	14,753
Other Purchasers	48.2%	47.8% - 48.7%	49,657

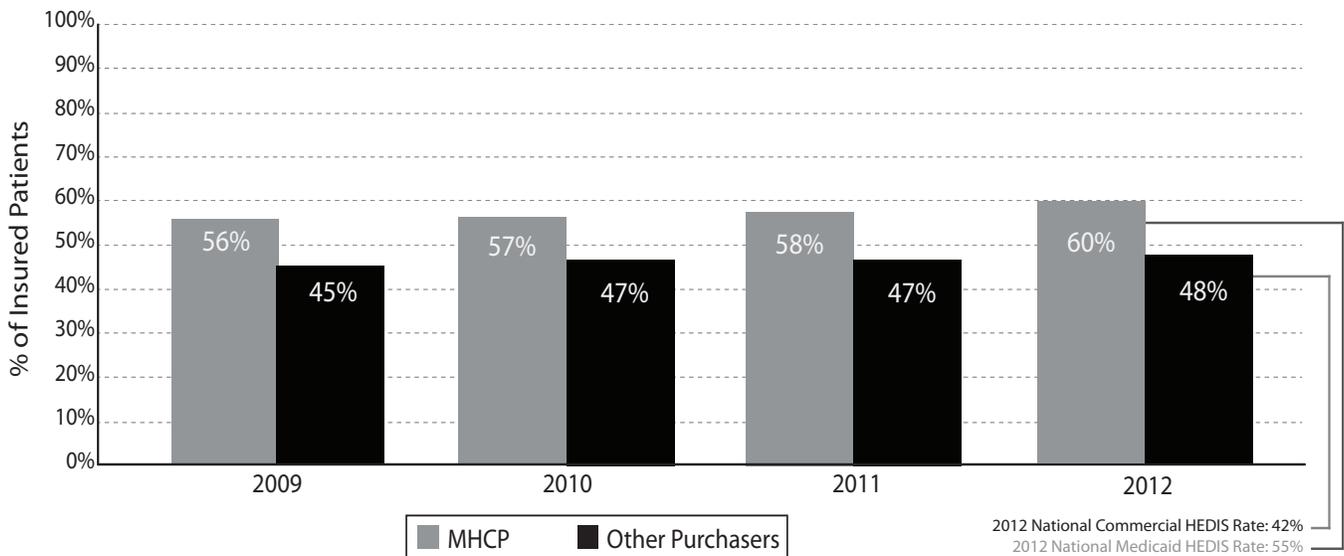
*Statewide Average (above) includes those patients attributed to a medical group AND those who could not be attributed to a medical group.

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 13 displays the statewide rates over time. The rates for both groups of patients have increased about one percentage point per year since 2009. The gap between purchasers has remained relatively stable since 2009.

The figure also includes the 2012 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. Both the statewide MHCP rate and Other Purchasers rate are above the respective 2012 national HEDIS benchmarks.

Figure 13: Chlamydia Screening in Women Statewide Rates over Time

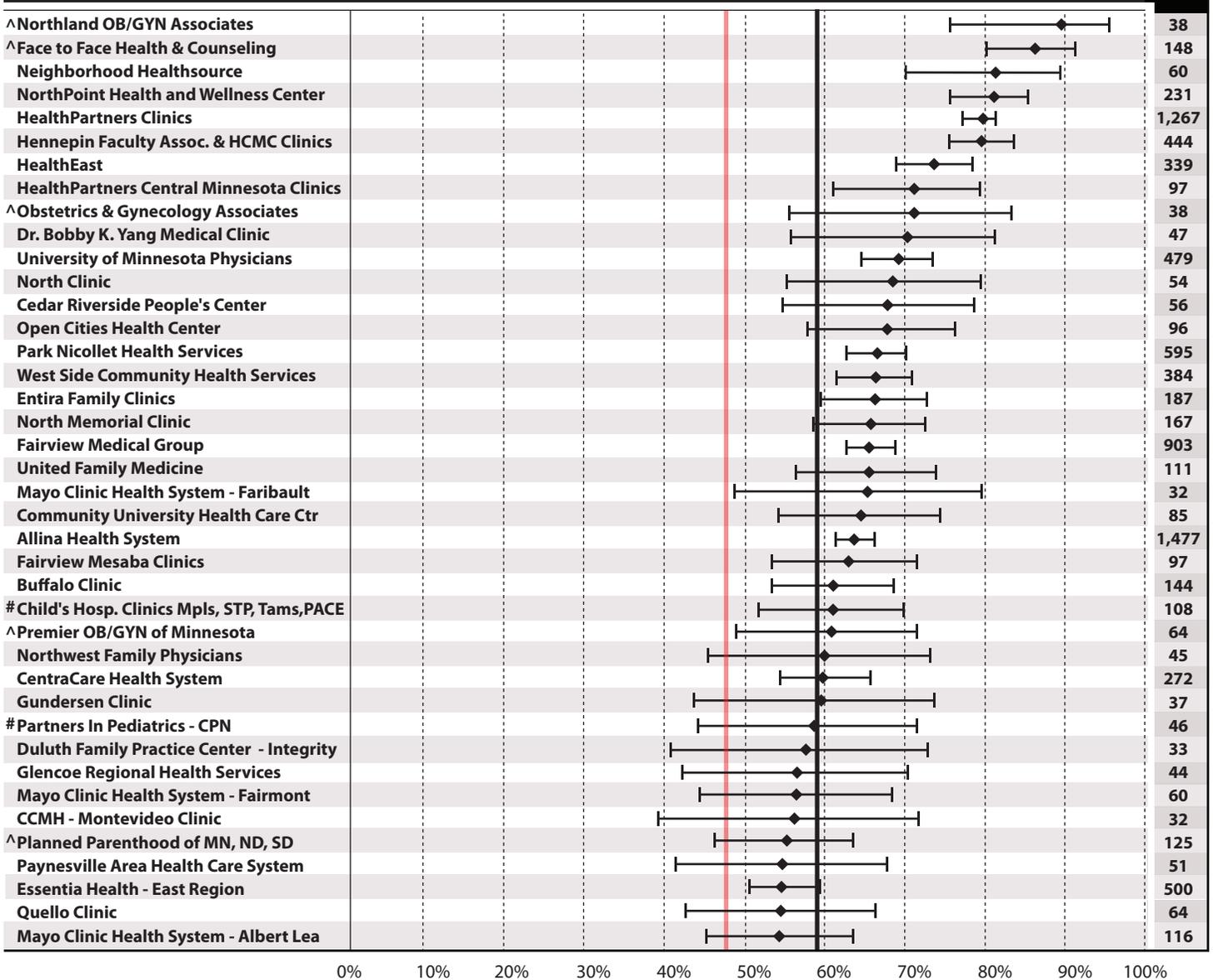


Medical Group Performance Highlights

Chart 13 provides the MHCP Chlamydia Screening rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 79 medical groups are reportable for this measure because they had at least 30 patients that met the measure specifications – enough patients to ensure a reasonable level of confidence in the reported rate. These 79 medical groups account for 13,332 of the 14,753 MHCP patients (90 percent) who are eligible for this measure statewide. The 79 reportable medical groups account for 27 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Northland OB/GYN Associates**, achieved best practice with 90 percent of their MHCP patients, while the least successful, **First Care Medical Services**, achieved it with only 13 percent of their MHCP patients. A detailed table of medical group rates can be found in Appendix 3.

Chart 13: Chlamydia Screening Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)



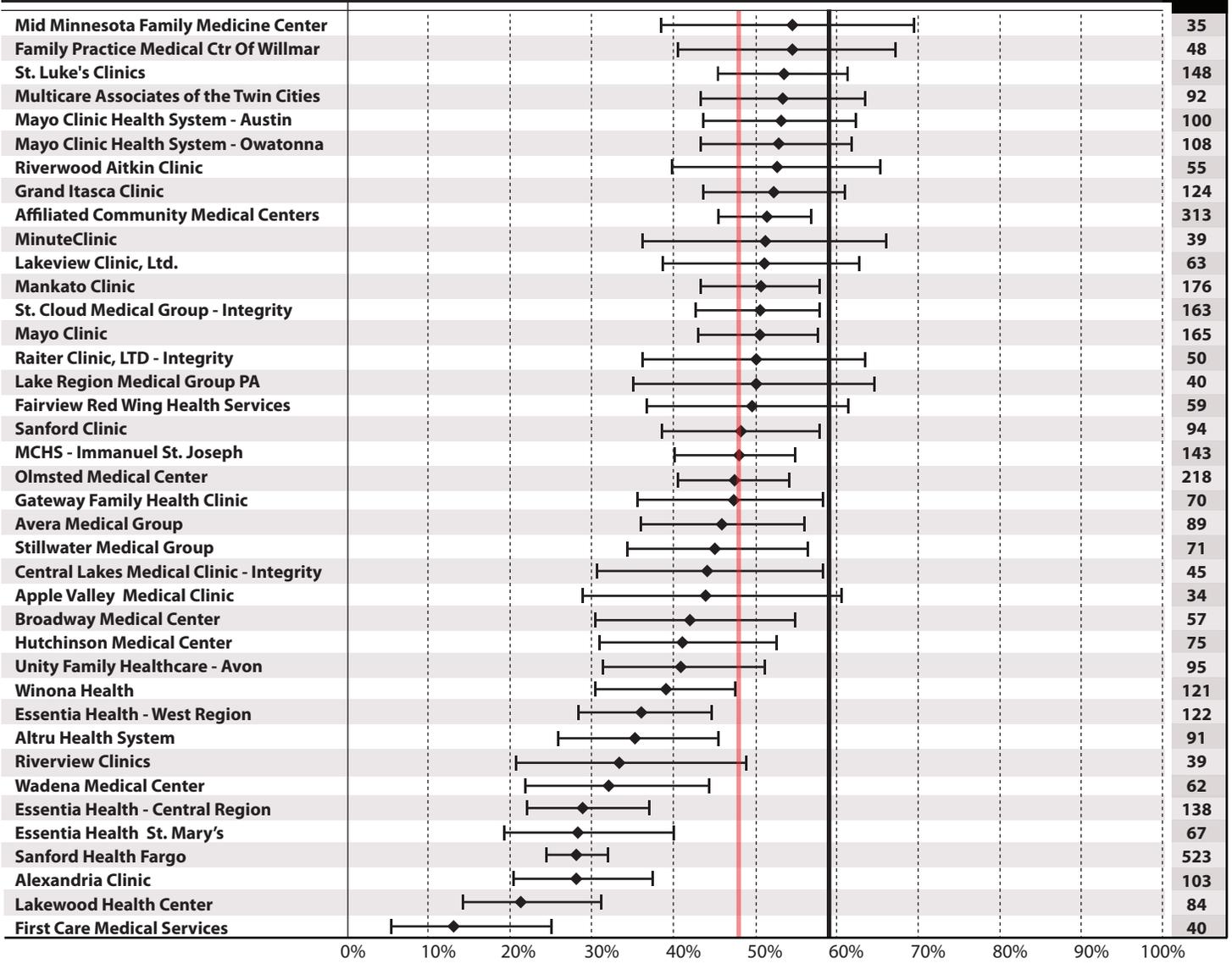
#Pediatric ^ OB/GYN

MHCPC Medical Group Average 59%
 Other Purchasers Medical Group Average 48%

—| 95% Confidence Interval n*= Sample Size

Chart 13: Chlamydia Screening Rates by Medical Group - continued

(Minnesota Health Care Programs with 30+ patients in denominator)



#Pediatric ^ OB/GYN

MCHP Medical Group Average 59%
Other Purchasers Medical Group Average 48%

95% Confidence Interval n*= Sample Size

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Northland OB/GYN Associates had the highest **Chlamydia Screening** rate for MHCP patients, at 90 percent. Fourteen medical groups had rates and confidence intervals that were greater than the medical group average of 59 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Northland Ob/Gyn Associates
- Face to Face Health & Counseling
- Neighborhood Healthsource
- NorthPoint Health and Wellness Center
- HealthPartners Clinics
- Hennepin Faculty Associates & HCMC Clinics
- HealthEast
- HealthPartners Central Minnesota Clinics
- University of Minnesota Physicians
- Park Nicollet Health Services
- West Side Community Health Services
- Entira Family Clinics
- Fairview Medical Group
- Allina Health System

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Chlamydia Screening was made by **Paynesville Area Health Care Center**, which achieved a 17 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Results

Medical group performance over time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Sixty-one medical groups have three years of data: 2010, 2011, and 2012.

The following six medical groups (10 percent) achieved high performance each year over the past three years for Chlamydia Screening:

- Face to Face Health & Counseling
- HealthPartners Clinics
- Hennepin Faculty Associates & HCMC Clinics
- NorthPoint Health and Wellness Center
- Park Nicollet Health Services
- University of Minnesota Physicians

Eleven medical groups out of 61 (18 percent) consistently improved in performance over three years:

- Broadway Medical Center
- Face to Face Health & Counseling
- Fairview Mesaba Clinics
- HealthPartners Central Minnesota Clinics
- Lake Region Medical Group PA
- Mayo Clinic Health System - Fairmont
- Mayo Clinic Health System - Faribault
- North Clinic
- Paynesville Area Health Care System
- Wadena Medical Center
- West Side Community Health Services

Seven medical groups out of 61 (11 percent) consistently declined in performance over three years:

- Family Practice Medical Center of Willmar
- Lakeview Clinic, Ltd.
- Mayo Clinic
- Multicare Associates of the Twin Cities
- Stillwater Medical Group
- United Family Medicine
- Winona Health

Three medical groups out of 61 (5 percent) were relatively stable with average or below-average performance over three years:

- Gateway Family Health Clinic
- Gundersen Clinic
- Hutchinson Medical Center

There was no discernable patterns for 38 out of 61 groups (62 percent).

“Staying Healthy” measures

Childhood Immunization Status - Combo 3

This measures the percentage of children two years of age who had the following vaccines by their second birthday:

- Four DTaP/DT
- Three IPV
- One MMR
- Two H influenza type B
- Three Hepatitis B
- One VZV (chicken pox)
- Four pneumococcal conjugate

The data for this measure are collected from health plan claims, the Minnesota Immunization Information Connection (MIIC) registry and medical record review (See Glossary).

MHCP patients have a significantly lower rate of Childhood Immunizations than patients enrolled with Other Purchasers. The MHCP statewide rate for Childhood Immunizations was 74 percent; the rate for Other Purchasers was 80 percent. Table 14 displays these statewide rates.

Table 14: Statewide Rates* for Childhood Immunization Status

Purchasers	Statewide Weighted Rate*	95% CI**	Denominator (Patients Sampled)
MHCP	74.2%	72.7% - 75.6%	3,671
Other Purchasers	79.6%	77.9% - 81.1%	2,410

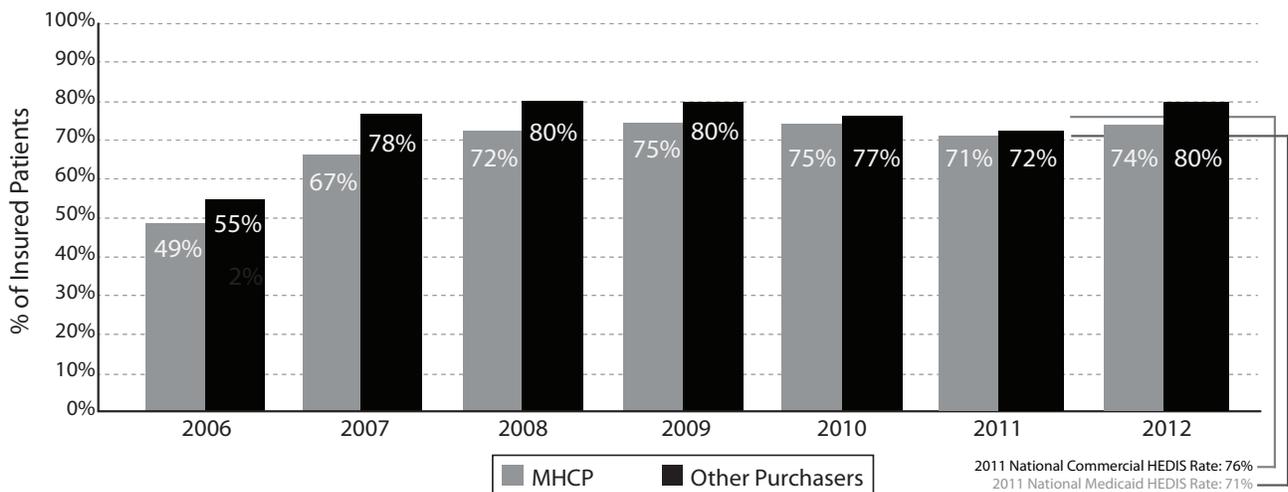
*Statewide Average (above) includes those patients attributed to a medical group AND those who could not be attributed to a medical group.

**A confidence interval gives an estimated range of values calculated from a given sample of data. A 95% confidence interval implies a 95% level of confidence that the interval includes the true mean or parameter.

Figure 14 displays the statewide rates over time. The rates for both purchasers improved from 2006 to 2009 and changed somewhat erratically from 2009 to 2012. The 2012 rates for both purchasers increased by several percentage points from 2011. The gap between purchasers increased substantially from 2006 to 2007 and then decreased continuously through 2011. The decline between 2006 and 2011 is statistically significant (ptrend = 0.046), but the decline between 2006 and 2012 is not significant (ptrend = 0.070).

The figure also includes the 2012 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide rates for both purchasers are higher than the national benchmarks.

Figure 14: Childhood Immunization Status (Combo 3) Statewide Rates over Time

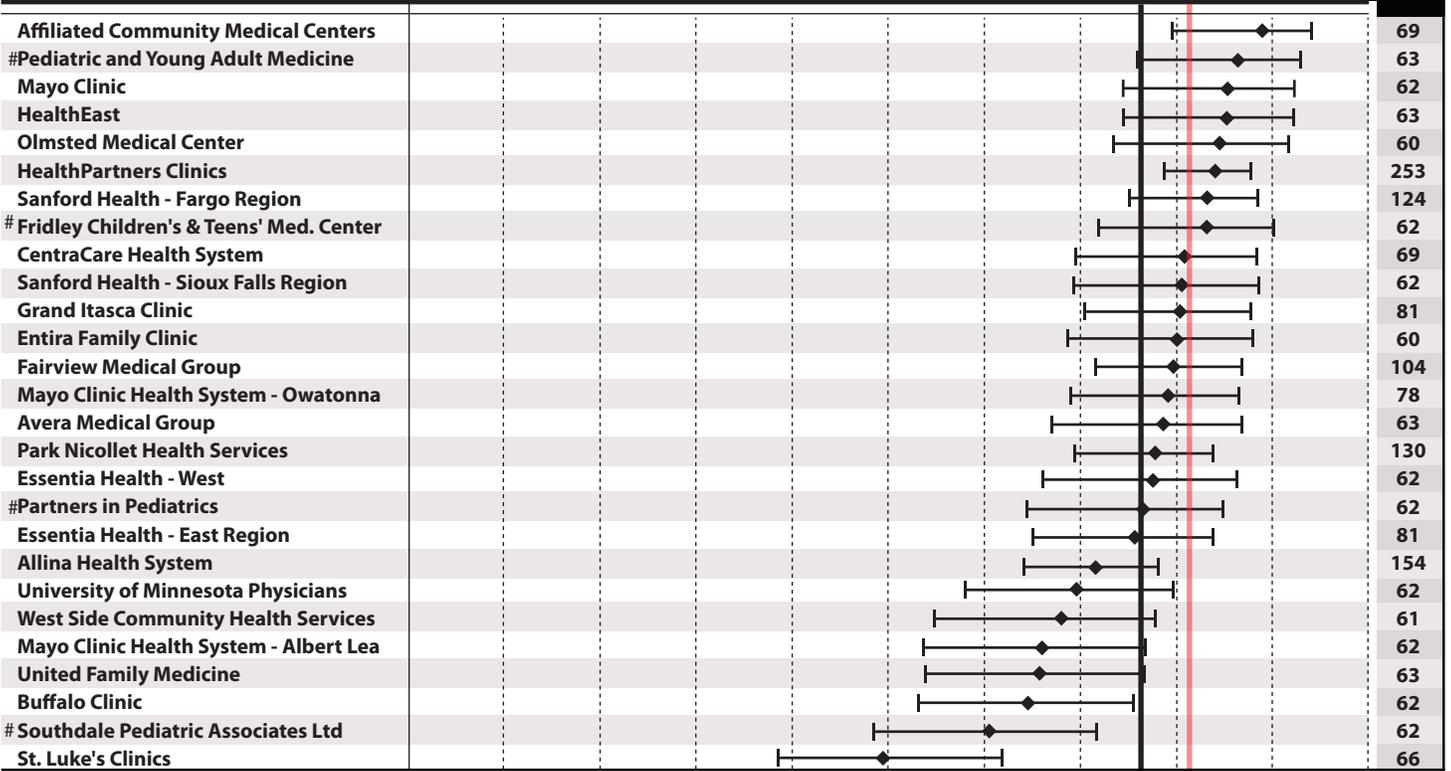


Medical Group Performance Highlights

Chart 14 provides the MHCP Childhood Immunization rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2012 report year, 27 medical groups are reportable for this measure because they had at least 60 patients in their sample – a large enough sample to ensure a reasonable level of confidence in the reported rate. These 27 medical groups account for 2,200 of the 3,544 MHCP patients (62 percent) who are eligible for this measure statewide. The 27 reportable medical groups account for 13 percent of medical groups providing care to MHCP patients in Minnesota identified through health plan claims data for this measure.

There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP; the wide variation can be due to a number of factors, some of which can be influenced by a medical group. The most successful medical group, **Affiliated Community Medical Centers**, achieved best practice with 89 percent of their MHCP patients, while the least successful, **St. Luke's Clinics**, achieved it with only 50 percent of their MHCP patients. A detailed table of medical group rates can be found in Appendix 3.

Chart 14: Childhood Immunization Status Rates by Medical Group
 (Minnesota Health Care Programs with 60+ patients in denominator)



Pediatric

MHCP Medical Group Average 76%
 Other Purchasers Medical Group Average 81%

—| 95% Confidence Interval n*= Sample Size

Performance Highlights - Medical Group Results

Medical groups with above-average MHCP rates in report year 2012

Affiliated Community Medical Centers had the highest **Childhood Immunization Status** rate for MHCP patients, at 89 percent. Two medical groups had rates and confidence intervals that were greater than the medical group average of 76 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Affiliated Community Medical Centers
- HealthPartners Clinics

Biggest improvement from 2011-2012

The biggest improvement since report year 2011 in Childhood Immunization Status was made by **Mayo Clinic Health System - Owatonna**, which achieved a 19 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Results

Medical group performance over time (2010-2012)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2010. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability (See Appendix 2 for methods). The results are summarized below and listed in alphabetical order.

Twenty-two medical groups have three years of data: 2010, 2011, and 2012.

The following medical group achieved high performance each year over the past three years for Childhood Immunization Status:

- HealthPartners Clinics

Two medical groups out of 22 (9 percent) consistently improved in performance over three years:

- Affiliated Community Medical Centers
- Pediatric And Young Adult Medicine

One medical group out of 22 (5 percent) consistently declined in performance over three years:

- United Family Medicine

Three medical groups out of 22 (14 percent) were relatively stable with average or below-average performance over three years:

- CentraCare Health System
- HealthEast
- West Side Community Health Services

There was no discernable pattern for 15 out of 22 groups (68 percent).

Please see next page.

An Examination of Statewide MHCP Performance Rates by Race and Hispanic Ethnicity

A large body of literature documents disparities in the delivery of health care in the United States based on socioeconomic status, race and ethnicity. This suggests a need for increased reporting of measures by race and ethnicity in order to promote equity of care (IOM, 2003).

In Minnesota, results from our Disparities Reports have shown that patients of lower socioeconomic status have different rates of care even when health care coverage is available, as is the case for patients enrolled in MHCP. These disparities probably result from multiple factors, one of which may be race and/or ethnicity. Researchers agree that collecting and using data on the race and ethnicity of a population may build a foundation for understanding and reducing disparities (AHIP, 2006; Lavizzo-Mourey, 2008). For some measures, data now allow us to examine performance rate differences by race and ethnicity at a statewide level within the MHCP patient population, many of whom have lower socioeconomic status.

Methods

Statewide comparisons by race and ethnicity were conducted on the MHCP patient population using enrollment data supplied by the Minnesota Department of Human Services (DHS). DHS sends monthly enrollment data, which contain race and ethnicity data for MHCP patients, to health plans that contract with DHS to provide health care services to MHCP patients. This information is self-reported at the time individuals/patients enroll in MHCP. Patients are able to declare more than one race on the MHCP enrollment form. This was the second year that performance rates could be calculated for a separate multi-racial group

Each patient was placed in one of the following race categories:

- American Indian or Alaskan Native
- Asian/Pacific Islander/Native Hawaiian
- Black/African American
- Multi-racial
- Unknown
- White

Each patient was placed in the one of the following Hispanic ethnicity categories:

- Hispanic
- Non-Hispanic
- Unknown

These categories generally comply with the Office of Management and Budget directive, although Pacific Islander/Native Hawaiian is combined with Asian because very few patients identify themselves as Pacific Islander/Native Hawaiian in Minnesota. Patients are able to declare more than one race when they enroll in MHCP, allowing MNMCM to calculate rates for a multi-racial category. For the analyses within this report, race and ethnicity are treated separately.

It is not yet possible to report Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care Ages 5-17 and Ages 18-50, or Colorectal Cancer Screening measures by race and ethnicity, because these data are submitted directly by clinics. While the vast majority of clinics are submitting these specific data elements on the majority of their patients, too few clinics use best practices to report race; best practices include having a patient self-report his/her race and ethnicity, and not including a multi-racial category when collecting the information from the patient. As more clinics use best practices, MNMCM will be able to report these measures by race and ethnicity.

Data are presented for racial and ethnic categories only if there are at least 30 patients in the category.

An Examination of Statewide MHCP Performance Rates by Race and Hispanic Ethnicity

Race descriptions

American Indian or Alaskan Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.

Asian/Pacific Islander/Native Hawaiian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, or a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Black/African American: A person having origins in any of the black racial groups of Africa. Terms such as “Haitian” or “Negro” can be used in addition to “Black or African American”.

Multi-racial: A person self-identifying with more than one of the following races: American Indian or Alaskan Native, Asian/Pacific Islander/Native Hawaiian, Black/African American, and White. People in this category did not select a catch-all “multi-racial” or “more than one race” category.

Unknown: A person who has not self-reported his or her race during enrollment in MHCP.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

Hispanic ethnicity descriptions

Hispanic or Latino: A person of Cuban, Mexican, Puerto Rican, South or Central American or other Spanish culture or origin. The term “Spanish origin” can be used in addition to “Hispanic or Latino.”

Non-Hispanic: A person who is not of Cuban, Mexican, Puerto Rican, South or Central American or other Spanish culture or origin.

Unknown: A person who has not self-reported his or her ethnicity during enrollment in MHCP.

Controlling High Blood Pressure

Figure 15.1 shows Controlling High Blood Pressure rates by race. The White racial group has the highest rate of controlling high blood pressure compared to other known racial groups, and this racial groups has a performance rate that is significantly above the statewide MHCP rate (68 percent). As has been true for past report years, the Black/ African American racial group has a performance rate significantly below the statewide MHCP rate. The Unknown racial group also has a rate significantly below the statewide MHCP rate.

Figure 15.1: Controlling High Blood Pressure Statewide Rates by Race

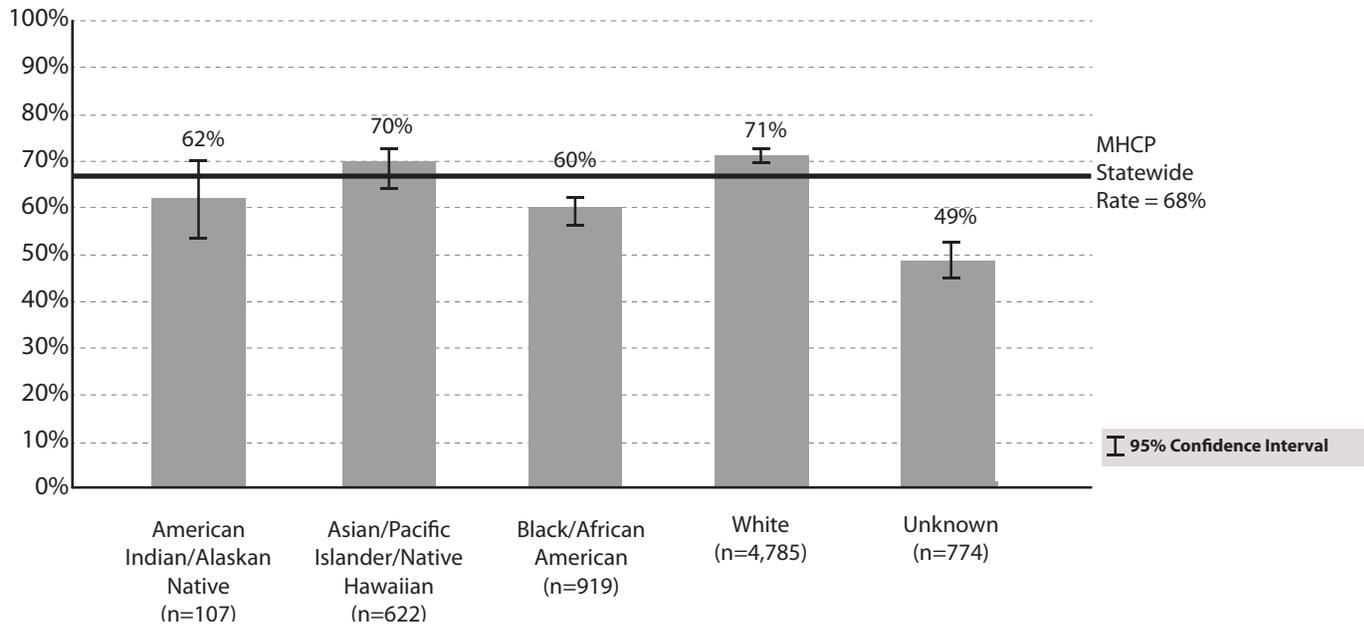
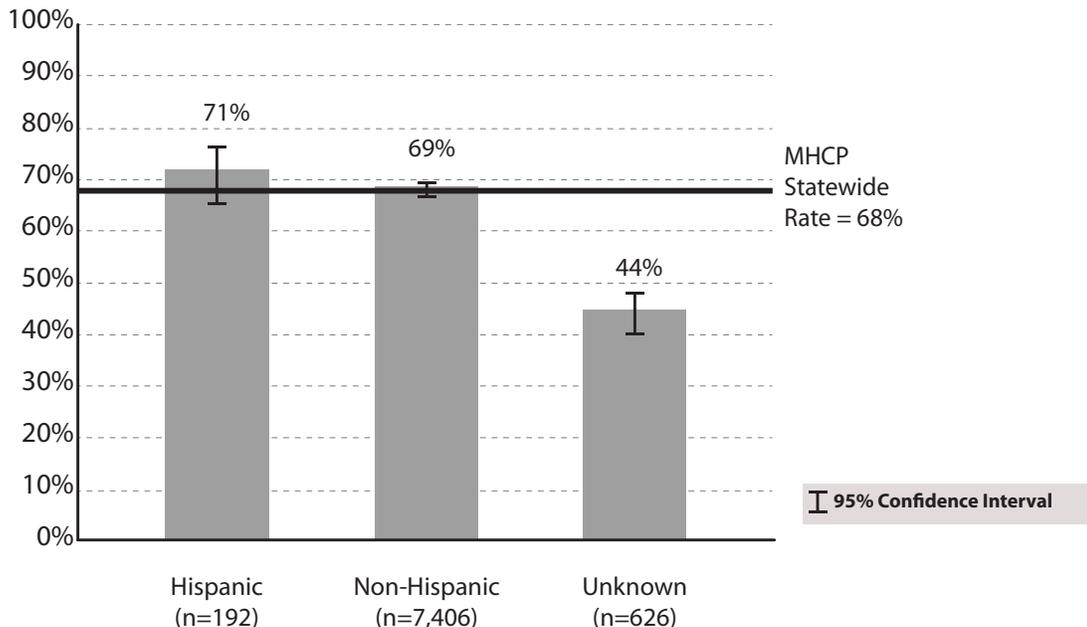


Figure 15.2 shows Controlling High Blood Pressure rates by ethnicity. Hispanics have a higher rate of controlling high blood pressure than Non-Hispanic patients, but this difference is not statistically significant. The Unknown category is significantly below the statewide rate (68 percent).

Figure 15.2: Controlling High Blood Pressure Statewide Rates by Ethnicity



Treatment for Children with Upper Respiratory Infection (URI)

Figure 16.1 shows the rates of Appropriate Treatment for Children with Upper Respiratory Infections by race. The Black/African American group has the highest rate of appropriate treatment for URI, and this rate is significantly above the statewide MHCP rate (89 percent). The White racial group has the lowest rates of appropriate treatment for URI, and this rates is significantly below the statewide MHCP rate.

Figure 16.1: Appropriate Treatment for Children with URI Statewide Rates by Race

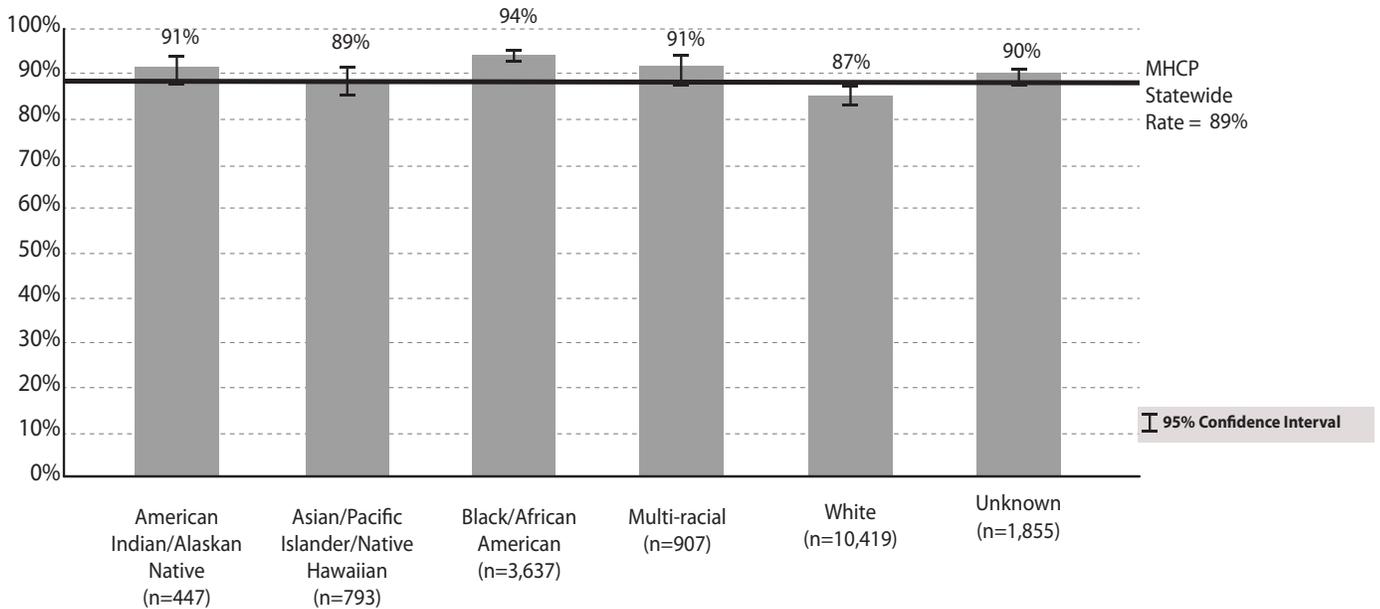
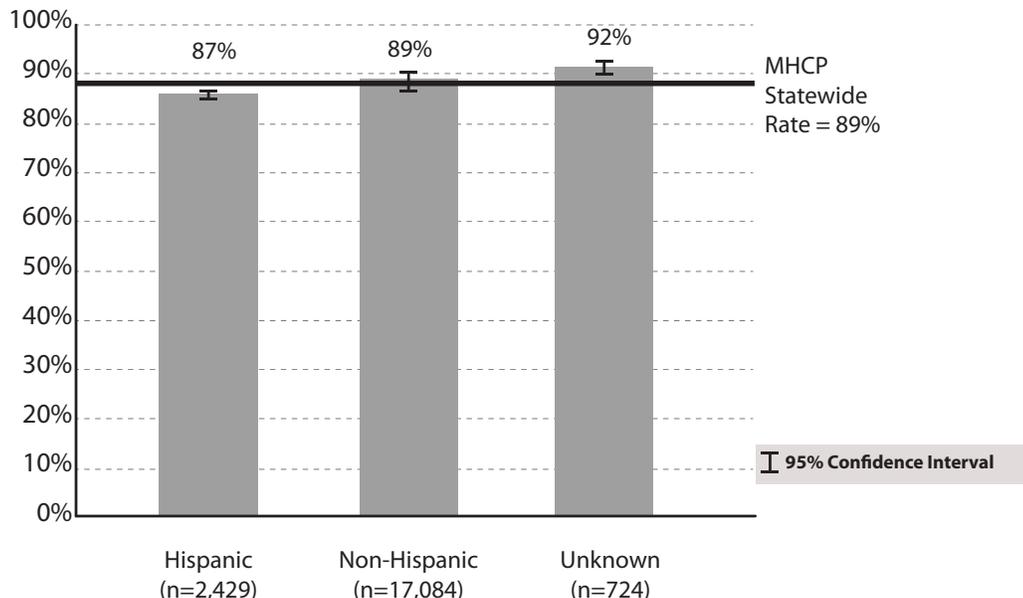


Figure 16.2 shows the rates of Appropriate Treatment for Children with Upper Respiratory Infections by ethnicity. The Unknown ethnic category has the highest rate of appropriate treatment for children with URI and this rate is significantly above that statewide rate (89 percent). The rate for this category is also significantly above the rates for the Hispanic and Non-Hispanic groups. Hispanics have a performance rate significantly below the statewide rate (89 percent). The rate for the Hispanic group is also significantly below the rate for Non-Hispanics.

Figure 16.2: Appropriate Treatment for Children with URI Statewide Rates by Ethnicity



Appropriate Testing for Children with Pharyngitis

Figure 17.1 shows the rates of Appropriate Testing for Children with Pharyngitis by race. Black/African Americans have the highest rate of appropriate testing for pharyngitis and their rate is significantly above the statewide MHCP rate (87 percent). The Asian and White racial groups have performance rates significantly below the statewide MHCP rate, and the Asian group has the lowest rate of testing for pharyngitis.

Figure 17.1: Testing for Children with Pharyngitis Statewide Rates by Race

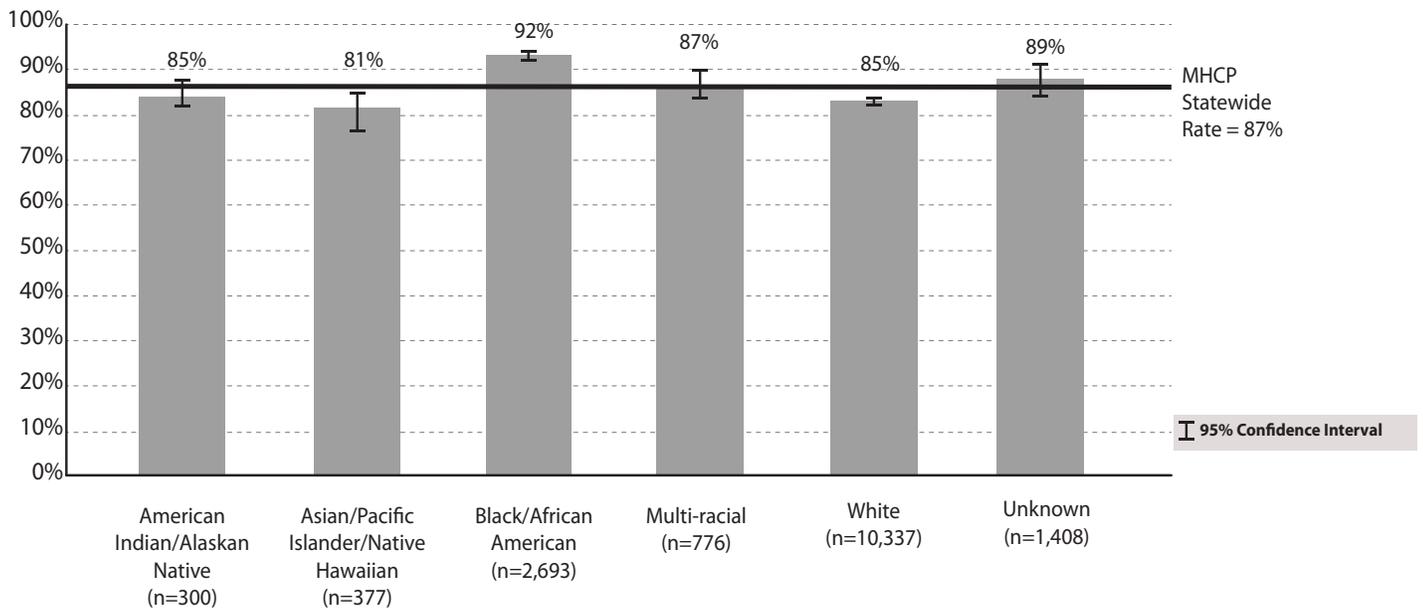
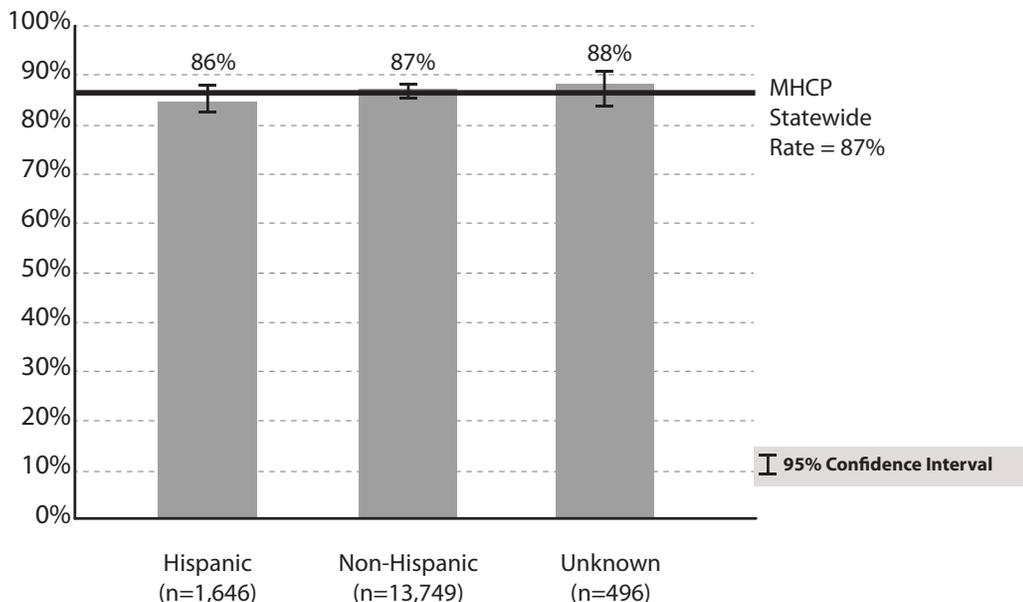


Figure 17.2 shows that the rates of Appropriate Testing for Children with Pharyngitis do not vary significantly by

Figure 17.2: Testing for Children with Pharyngitis Statewide Rates by Ethnicity



Breast Cancer Screening

Figure 18.1 shows the Breast Cancer Screening rates by race. The Asian/Pacific Islander/Native Hawaiian racial category has the highest breast cancer screening rate. The American Indian/Alaskan Native racial group has the lowest breast cancer screening rate. This racial group, along with the Black/African American group, has a performance rate significantly below the statewide MHCP rate (61 percent). No racial group has a performance rate that is significantly above the statewide MHCP rate.

Figure 18.1: Breast Cancer Screening Statewide Rates by Race

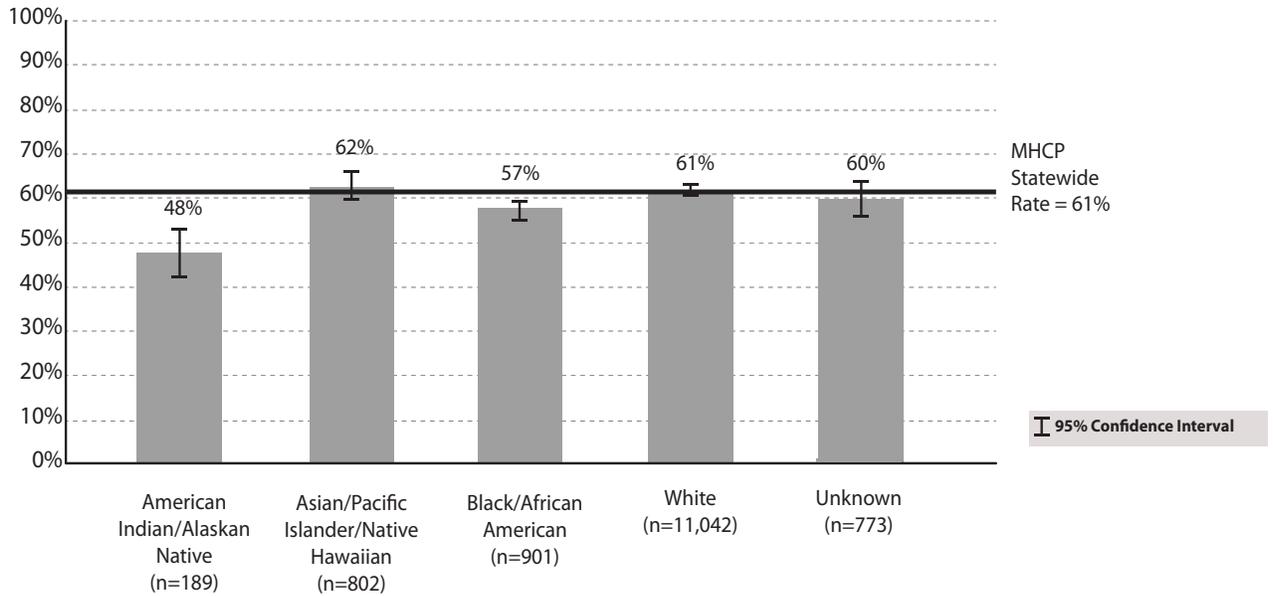
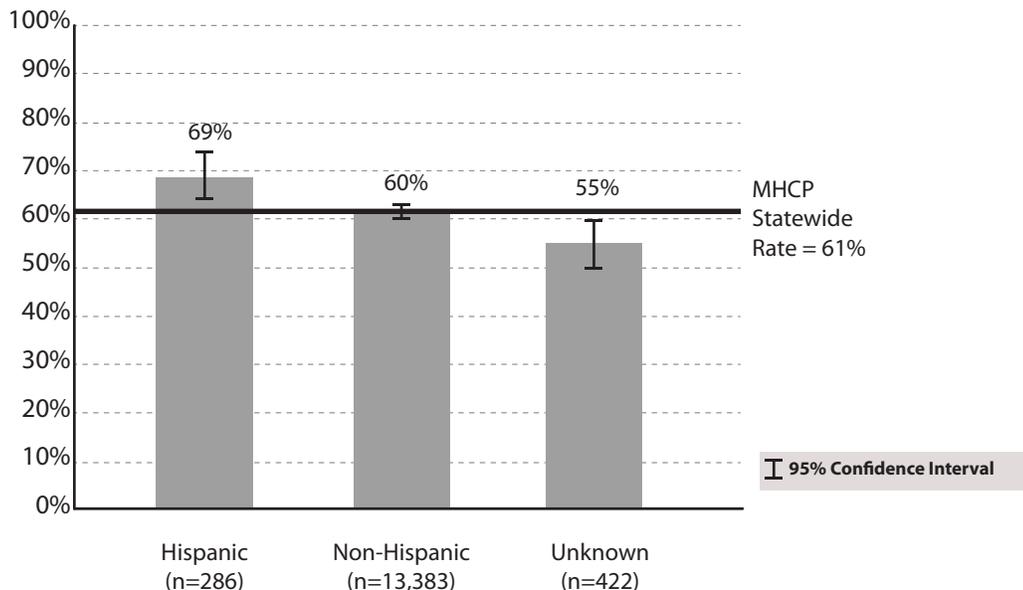


Figure 18.2 shows the rates of Breast Cancer Screening by ethnicity. Hispanics have the highest rate of breast cancer screening, and this group’s performance rate is significantly above the MHCP statewide rate (61 percent) and the rate of Non-Hispanics.

Figure 18.2: Breast Cancer Screening Statewide Rates by Ethnicity



Cervical Cancer Screening

Figure 19.1 shows Cervical Cancer Screening rates by race. The Black/African American and Multi-racial groups have the highest cervical cancer screening rates. These two groups have a rate that is significantly higher than the other racial groups and are the only racial groups with a performance rate that is significantly above the statewide MHCP rate (69 percent). The American Indian/Alaskan Native and Unknown racial groups have the lowest cervical cancer screening rates and both, in addition to the White racial group's performance rate, are significantly lower than the MHCP statewide rate.

Figure 19.1: Cervical Cancer Screening Statewide Rates by Race

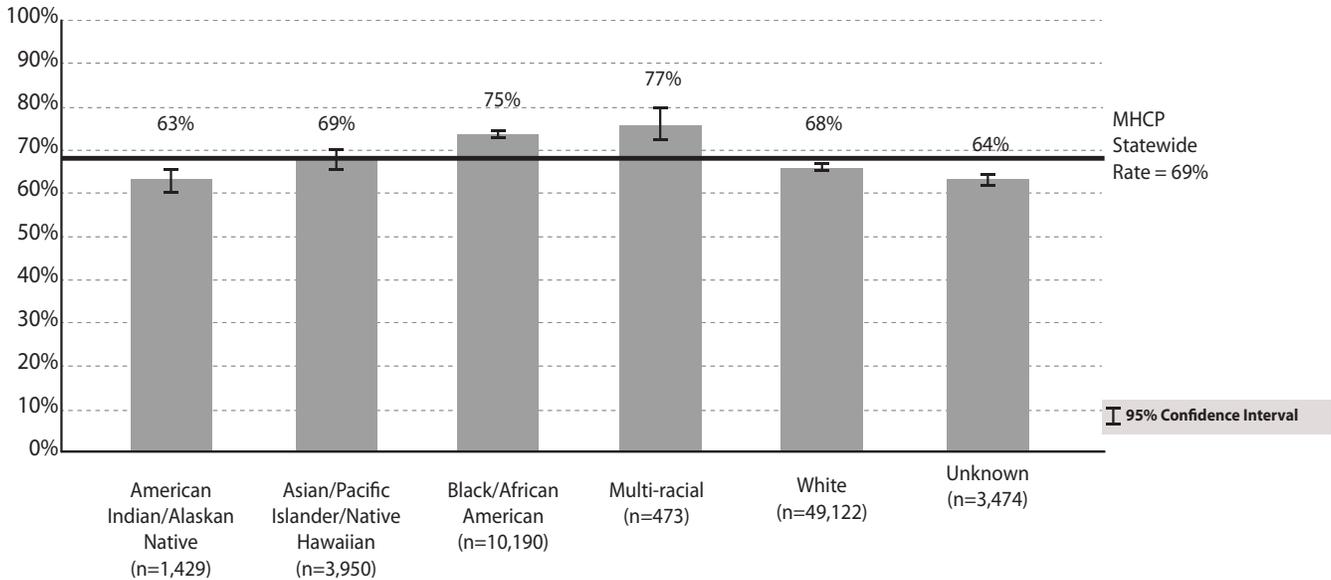
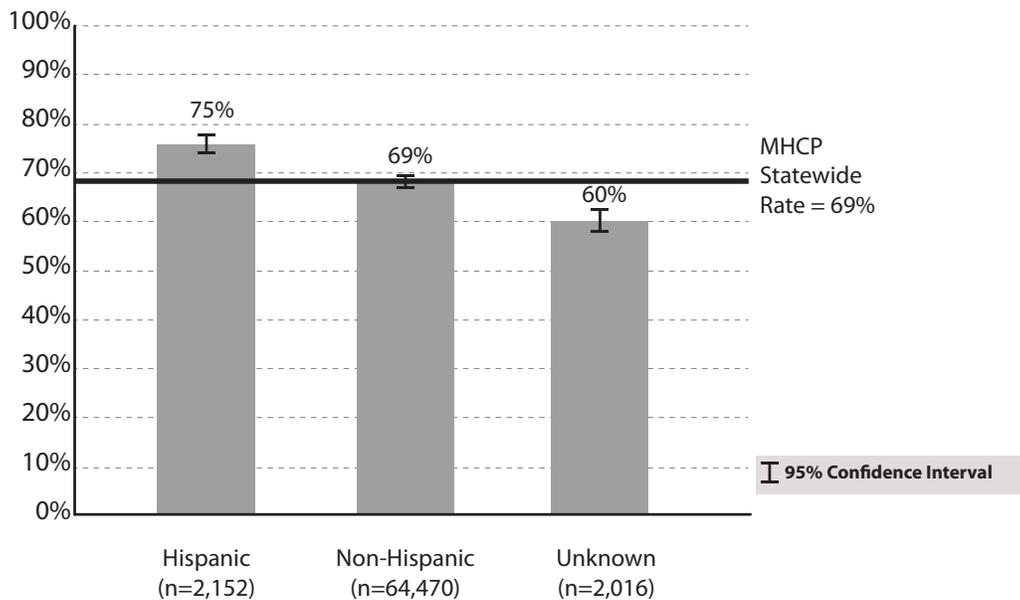


Figure 19.2 shows Cervical Cancer Screening rates by ethnicity. The Hispanic ethnic group has the highest rate of cervical cancer screening, and it is significantly above the statewide MHCP rate (69 percent) and significantly different from the Non-Hispanic group. The Hispanic and Non-Hispanic group have a rate significantly above the Unknown group, which has a rate significantly below the statewide average.

Figure 19.2: Cervical Cancer Screening Statewide Rates by Ethnicity



Chlamydia Screening in Women

Figure 20.1 shows Chlamydia Screening rates by race. The Black/African American racial group has the highest chlamydia screening rate, and it is significantly higher than the rates for the other racial groups, except for the multi-racial group. The Black/African American group, along with the Multi-racial and Asian/Pacific Islander/Native Hawaiian groups, has a performance rate that is significantly above the statewide MHCP rate (58 percent). The White racial group has the lowest chlamydia screening rate, which is significantly below the statewide MHCP rate and the rates of all other racial groups.

Figure 20.1: Chlamydia Screening Statewide Rates by Race

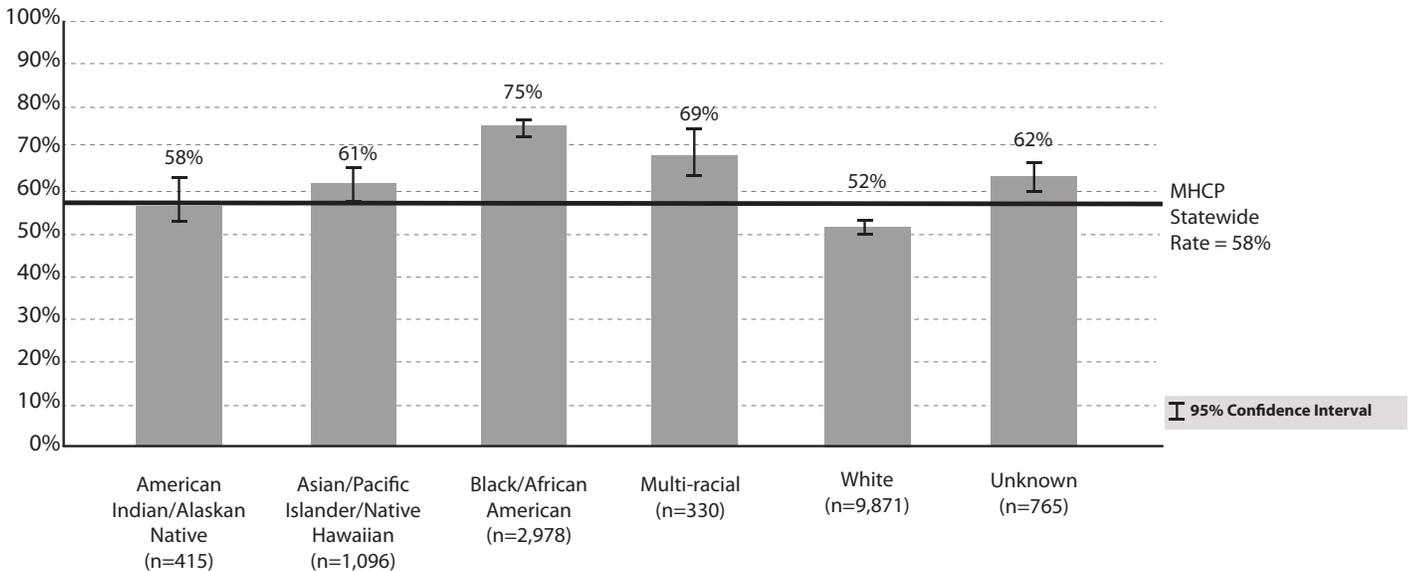
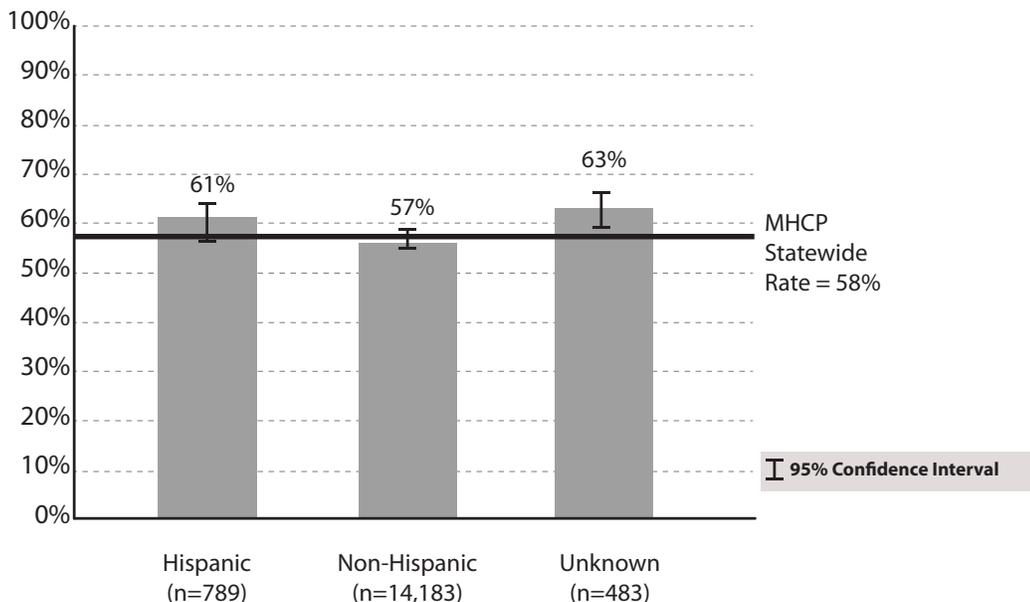


Figure 20.2 shows Chlamydia Screening rates by ethnicity. Hispanics have a higher rate of chlamydia screening compared to the Non-Hispanic group, but it does not differ significantly. The Unknown ethnic group has a significantly higher rate than the statewide MHCP rate (58 percent).

Figure 20.2: Chlamydia Screening Statewide Rates by Ethnicity



Childhood Immunization Status (Combo 3)

Figure 21.1 shows Childhood Immunization Status by race. Whites have the highest rate of childhood immunizations, and this rate is significantly above the statewide MHCP rate (75 percent). The American Indian/Alaskan Native group has the lowest childhood immunization status rate. No racial groups have a rate that is significantly below the statewide average.

Figure 21.1: Childhood Immunization Status Statewide Rates by Race

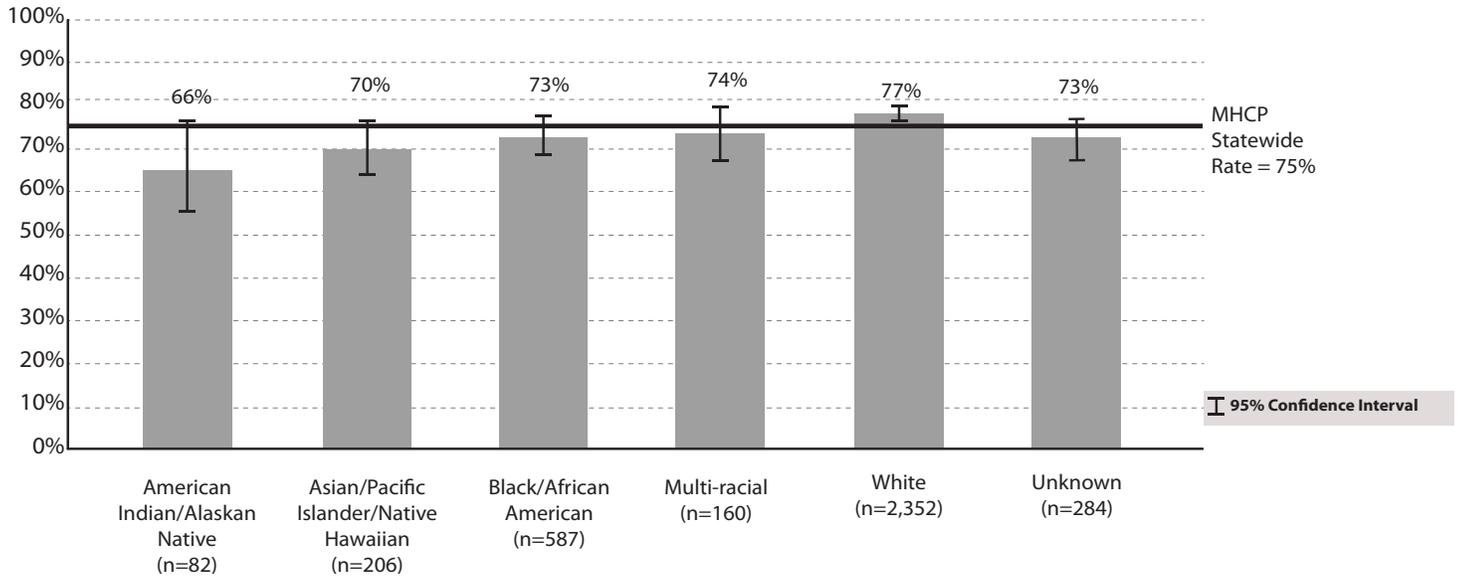
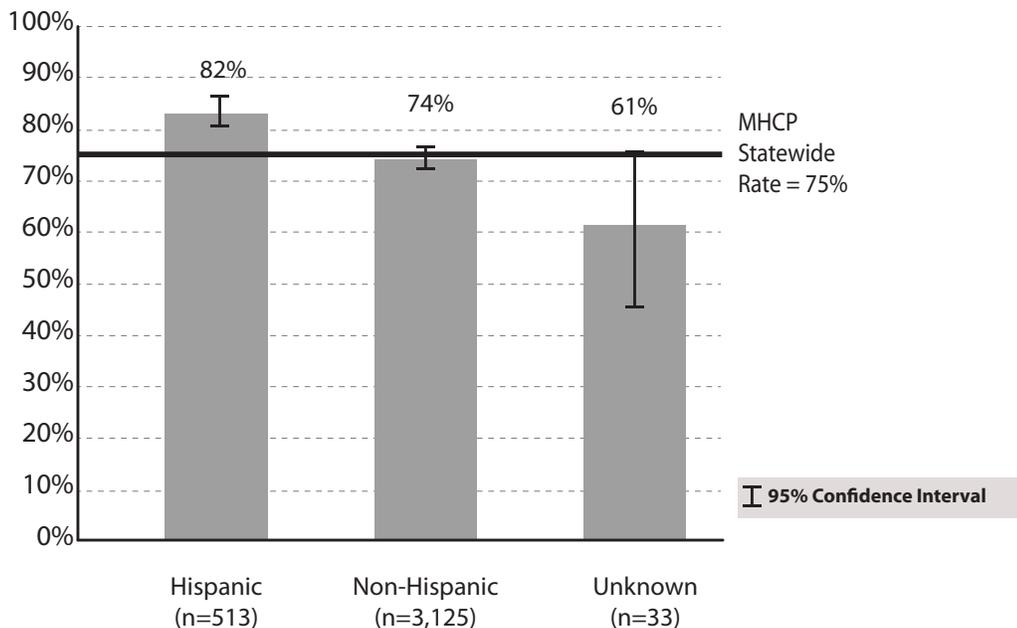


Figure 21.2 shows Childhood Immunization Status rates by ethnicity. Hispanic patients have a significantly higher rate of childhood immunization status than do Non-Hispanic patients and those of unknown ethnicity.

Figure 21.2: Childhood Immunization Status Statewide Rates by Ethnicity



Summary of Findings by Race

The results in Table 15 show that differences exist between racial groups within the MHCP patient population for all measures. For each measure, the rates for each racial group are indicated as being either above or below the MHCP average, or similar to it. Statistical significance was determined at a value of ($p < 0.05$).

Table 15: Summary of Findings by Racial Group

Measures/Racial Group	American Indian/ Alaskan Native	Asian/ Pacific Islander/ Native Hawaiian	Black/African American	Multi-Racial	White	Unknown
Controlling High Blood Pressure			↓	N/A	↑	↓
Appropriate Treatment for Children with Upper Respiratory Infection			↑		↓	
Appropriate Testing for Children with Pharyngitis		↓	↑		↓	↑
Breast Cancer Screening	↓		↓	N/A		
Cervical Cancer Screening	↓		↑	↑	↓	↓
Chlamydia Screening in Women			↑	↑	↓	↑
Childhood Immunization Status					↑	

↑ = Above MHCP Average

↓ = Below MHCP Average

Blank = Similar to MHCP Average

N/A = Not Applicable; Too few patients to be reported

Summary of Findings by Race

American Indian/Alaskan Native

The American Indian/Alaskan Native racial group had the lowest rate for three measures (Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization).

There were two measures (Breast Cancer Screening and Cervical Cancer Screening) where the American Indian/Alaskan Native racial group's rate was significantly lower than the MHCP statewide average. For three measures (Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization) this racial group had the lowest performance rates compared to the other racial groups. There were no measures where the American Indian/Alaskan Native racial group had the highest rate for a measure or had a rate significantly above the statewide MHCP average.

Asian/Pacific Islander/Native Hawaiian

There were no measures where the Asian/Pacific Islander/Native Hawaiian racial group had the highest rate. For one measure they had the lowest rate (Testing for Children with Pharyngitis), which was significantly lower than the MHCP statewide average.

Black/African American

There were three measures where the Black/African American racial group had the highest rates (Treatment for Children with URI, Testing for Children with Pharyngitis, and Chlamydia Screening). There was one measure where the Black/African American racial group had the lowest rate (Controlling High Blood Pressure) compared to other known racial groups.

For four measures (Appropriate Treatment for Children with URI, Testing for Children with Pharyngitis, Cervical Cancer Screening, and Chlamydia Screening), the Black/African American racial group had a performance rate significantly higher than the MHCP statewide average; for two measures (Controlling High Blood Pressure and Breast Cancer Screening) the group has a significantly lower performance rate than the MHCP statewide average.

Multi-racial

The Multi-racial group had the highest performance rate for one measure (Cervical Cancer Screening). It did not have the lowest rate for any measure.

There are two measures (Cervical Cancer Screening and Chlamydia Screening) where the Multi-racial group had a performance rate significantly higher than the statewide MHCP rate. The Multi-racial group did not have a significantly lower rate than the statewide rate for any measures.

White

There are two measures where the White racial group had the highest rate compared to other racial groups (Controlling High Blood Pressure and Childhood Immunization Status). There are two measures where the White racial group had the lowest rate compared to other racial groups (Appropriate Treatment for Children with URI and Chlamydia Screening).

For two measures (Controlling High Blood Pressure and Childhood Immunization Status), the White racial group had a performance rate that was significantly above the MHCP statewide average. For four measures (Appropriate Treatment for Children with URI, Appropriate Testing for Children with Pharyngitis, Cervical Cancer Screening, and Chlamydia Screening) the White racial group had a performance rate that fell significantly below the MHCP statewide average.

Summary of Findings by Race

Unknown

There was one measure where the Unknown category had the lowest rate (Controlling High Blood Pressure). For two measures, the rate for the Unknown category was significantly above the MHCP statewide average (Appropriate Testing for Children with Pharyngitis and Chlamydia Screening). For two measures, the rate for the Unknown category was significantly below the MHCP statewide average (Controlling High Blood Pressure and Cervical Cancer Screening). In general, the rate differences between the Unknown racial group and other racial groups were not significant.

Limitations related to Race Data

This report includes statewide comparisons by racial group. A minimum threshold of 30 MHCP patients was used for reporting statewide rates by racial group. Minimum reporting thresholds, necessary for comparisons by race within a medical group, were met only by an extremely small number of medical groups so this report does not report medical group rates by race.

To be included in a HEDIS measure, a patient must meet specified continuous enrollment criteria. Continuous enrollment in a health plan defines a sufficient timeframe during which a health care service could be performed. A shorter enrollment period makes it less likely that a health care service would be rendered. MHCP patients often have multiple interruptions in enrollment due to events such as the loss of MHCP eligibility. Therefore, MHCP patients who are represented in HEDIS measures are those with continuous enrollment so the measure may not reflect the experience of a substantial proportion of MHCP patients. When HEDIS performance rates are further calculated by race, as reported above for the MHCP population, the continuous enrollment criteria may also impact some racial groups more than others. It will be important for medical groups and clinics to be aware of the impact that continuous enrollment has on HEDIS measures in general and for each racial group. It would not be appropriate to assume that the MHCP rate for each HEDIS measure applies equally to each racial group.

Summary of Findings by Ethnicity

The results in Table 16 show that differences exist between ethnic groups within the MHCP patient population for some measures. For each measure, the rates for each ethnic group are indicated as being either above or below the MHCP average, or similar to it. Statistical significance was determined at a value of ($p < 0.05$).

Table 16: Summary of Findings by Ethnic Group

Measures/Ethnic Group	Hispanic	Non-Hispanic	Unknown
Controlling High Blood Pressure			↓
Appropriate Treatment for Children with Upper Respiratory Infection	↓		↑
Appropriate Testing for Children with Pharyngitis			
Breast Cancer Screening	↑		↓
Cervical Cancer Screening	↑		↓
Chlamydia Screening			↑
Childhood Immunization Status	↑		

↑ = Above MHCP Average
 ↓ = Below MHCP Average
 Blank = Similar to MHCP Average

Hispanic

For four measures (Controlling High Blood Pressure, Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization), the Hispanic ethnic group had the highest rate. There were two measures where Hispanics had the lowest rate (Treatment for Children with URI and Testing for Children with Pharyngitis), and for the Treatment for Children with URI measure, the rate was significantly lower than the MHCP statewide rate. For three measures, the rates for the Hispanic category were significantly above the MHCP statewide average (Breast Cancer Screening, Cervical Cancer Screening and Childhood Immunization).

Non-Hispanic

There were no measures where the Non-Hispanic category had the highest rate. There were no measures where the rates for the Non-Hispanic category were significantly above or below the MHCP statewide average. For three of the measures, the Non-Hispanic group had a rate significantly lower than the Hispanic group (Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization).

Conclusion

The 2012 Health Care Disparities Report highlights that several statewide MHCP rates have improved since last year and over time, but there are still other measures that show room for improvement. Specifically, there is great room for improvement in the following measures:

- Optimal Diabetes Care
- Depression Remission at Six Months
- Breast Cancer Screening
- Cervical Cancer Screening

On a positive note, three measures show significant improvement over last year:

- Optimal Asthma Care - Children Ages 5-17
- Optimal Asthma Care - Adults Ages 18-50
- Colorectal Cancer Screening

Overall, we continue to find statewide gaps between MHCP and Other Purchasers. While statewide MHCP rates improved for the majority of the measures this year, gaps widened for several measures, confirming the need to focus on the disparities that exist between the MHCP population and others. Gaps between purchasers widened for:

- Optimal Diabetes Care
- Controlling High Blood Pressure
- Optimal Asthma Care - Adults Ages 18-50
- Appropriate Treatment for Children with URI
- Colorectal Cancer Screening
- Chlamydia Screening

The good news is that the gaps between purchasers have narrowed over time for five measures; three of these measures have significantly narrowed, including Appropriate Testing for Children with Pharyngitis, Breast Cancer Screening, and Cervical Cancer Screening.

This is the third Health Care Disparities Report to report statewide MHCP results by racial group. Differences between racial groups were found for every measure within the MHCP patient population. Performance rates for the Black/African American racial group continued to be high compared to other racial groups for several measures, and rates for four measures were significantly above the statewide MHCP rate.

Improving performance rates for all patients requires a thorough examination of performance data at a medical group or clinic level in addition to data at national, statewide and health plan levels. The public reporting of health care performance rates can serve to drive quality improvement particularly when rates are reported at a level where more accountability lies and actions to address disparities are more likely. Disparities within the health care system are unacceptable. Results from this report show that it is possible for medical groups and clinics to achieve optimal health outcomes for patients regardless of their insurance program, and more and more groups are using the results to benchmark their progress.

We applaud the many efforts underway in our community that are achieving noteworthy improvements; however, much work remains to substantially reduce disparities for patients enrolled in MHCP.

Future Plans

The 2012 Health Care Disparities Report marks the sixth time that MNMCM and DHS have worked together to publicly report MHCP performance rates and to compare those rates with Other Purchasers. We examine the progress that has been made since the first report was issued and note that many performance rates have continued to improve over the years. It will be important to continue to report and monitor these rates annually to keep performance rate disparities visible to medical groups and clinics.

This is the only public report that helps medical groups and clinics identify health care performance rates for their patients enrolled in state-funded public programs and compare these rates with those of other medical groups and clinics. Furthermore, this report enables medical groups and clinics to identify disparities in performance rates between HMCP and other patients at their medical groups or clinics and compare these disparities with those at other medical groups or clinics. MNMCM's annual survey indicates that more and more medical groups/clinics are using these results in their quality improvement efforts.

In addition, this report represents the third time that DHS and MNMCM have publicly reported statewide performance rates by race and Hispanic ethnicity for the seven HEDIS measures included. Of particular note is the inclusion of performance rates for the Hispanic patient population, a growing demographic segment in Minnesota. Although the performance rates by race and ethnicity are not reported at a medical group or clinic level, the statewide findings illuminate the need for health care providers to address the racial and Hispanic ethnic disparities that may exist among their own MHCP patient populations.

Minnesota providers are steadily improving their collection and reporting of race and ethnicity data to help drive quality improvements that reduce health disparities. As providers surmount technical and organizational barriers, MNMCM is moving toward statewide public reporting of all direct data submission measures by race and Hispanic ethnicity. Medical groups will be able to use this data for quality improvement initiatives.

The Minnesota Department of Human Services and Minnesota Community Measurement are dedicated to continue publicly reporting health care performance rates at a medical group and clinic level by purchaser group. We are pleased that these annual reports have generated interest from the media, policy makers, medical groups, and clinics. Our mission is to drive substantial health care improvement and reduce gaps in care more quickly for Minnesota's most vulnerable patients.

Acknowledgements

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The 10 health plans and county-based purchasing organizations that contributed data for this report are:

- Blue Cross and Blue Shield of Minnesota
- HealthPartners
- Itasca Medical Care
- Medica
- Metropolitan Health Plan
- PreferredOne
- PrimeWest Health System
- Sanford Health Plan
- South Country Health Alliance
- UCare

Data aggregation and analysis are provided by associates of Data Intelligence, LLC, under subcontract with MN Community Measurement.

Medical Groups (Primary Care) Reported in 2012 (128)

Advanced Medical Clinic	FirstLight Health System	New Hope Crystal Medical Clinic
Affiliated Community Medical Centers	Foley Medical Center	North Clinic
Albert Lea Clinic - Mayo Health System	France Avenue Family Physicians	North Memorial Clinic
Alexandria Clinic	Gateway Family Health Clinic	NorthPoint Health and Wellness Center
Allina Health System	Glencoe Regional Health Services	Northside Medical Center
Allina Medical Clinic	Glenwood Medical Center	Northwest Family Physicians
Altru Health System	Grand Itasca Clinic	Olmsted Medical Center
Apple Valley Medical Clinic	Gundersen Clinic	Open Cities Health Center
Aspen Medical Group	HealthEast	Owatonna Clinic - Mayo Health System
Avera Medical Group	HealthPartners Central Minnesota Clinics	Park Nicollet Health Services
Bloomington Lake Clinic, Ltd.	HealthPartners Clinics	Parkview Medical Clinic
Bluestone Physician Services	Hendricks Community Hospital Association	Paynesville Area Health Care System
Bridges Medical Center	Hennepin Faculty Assoc. & HMC Clinics	Quello Clinic
Broadway Medical Center	Hutchinson Medical Center	Raiter Clinic, LTD-Integrity
Buffalo Clinic	Indian Health Board of Minneapolis	Renville County Hospital And Clinics
Burnsville Family Physicians	Integrity Health Network	Ridgeview Clinics
Catalyst Medical Clinic	Johnson Street Clinic	Riverview Clinics
CCMH-Montevideo Clinic	Kittson Memorial Clinic	Riverwood Aitkin Clinic
Cedar Riverside People's Center	Lake Region Medical Group PA	Sanford Clinic
CentraCare Health System	Lake View Clinic - Two Harbors	Sanford Health Fargo
Central Lakes Medical Clinic - Integrity	Lakeview Clinic, Ltd.	Sawtooth Mountain Clinic
Chippewa County Montevideo Hospital & Medical Clinic	Lakeview Medical Clinic	Scenic Rivers Health Services
Clearwater Health Services	Lakewood Health Center	Sibley Medical Center
Community University Hlth Care Center	Lakewood Health Center	Southern Metro Medical Clinics
Dawson Clinic	Life Medical	Southside Community Health Services
Dr. Bobby K. Yang Medical Clinic	Mankato Clinic	St. Cloud Medical Group
Dulcimer Medical Center	Mayo Clinic	St. Luke's Clinics
Duluth Family Practice Center- Integrity	Mayo Clinic Health System	St. Paul Family Medical Center
Edina Family Physicians	Mayo Clinic Health System - Austin	Stevens Community Med. Center - Morris
Edina Sports Health & Wellness	Mayo Clinic Health System - Cannon Falls	Stillwater Medical Group
ELEAH Medical Center	Mayo Clinic Health System - Fairmont	Thao Xoua Md
Entira Family Clinics	Mayo Clinic Health System - Franciscan	United Family Medicine
Essentia Health - Central Region	Skemp	United Hospital District Clinics
Essentia Health - East Region	Mayo Clinic Health System - Immanuel St. Joseph	Unity Family Healthcare - Avon
Essentia Health - West Region	Mayo Clinic Health System - Lake City	Unity Family Healthcare, Family Med. Cntr
Essentia Health St. Mary's	Mayo Clinic Health System -Faribault	University of Minnesota Physicians
Face to Face Health & Counseling	Mid Minnesota Family Medicine Center	Virginia Regional Medical Center
Fairview Health Services	Mille Lacs Clinics	Wadena Medical Center
Fairview Medical Group	MinuteClinic	West Side Community Health Services
Fairview Mesaba Clinics	Multicare Associates of the Twin Cities	Western Wisconsin Medical Associates
Fairview Red Wing Health Services	Murray County Clinic	Williams Integracare Clinic
Family Practice Medical Center Of Willmar	Native American Community Clinic	Winona Health
Familyhealth Medical Clinics	Neighborhood Healthsource	
First Care Medical Services		

Additional Medical Group Provider Types Reported in 2012 (38)

Urgent Care/Convenience Care Clinics

7 Day Clinic
 Chaska Urgent Care
 Emergency Physicians
 Express Healthcare
 Fairview Express Care
 Priority Pediatrics Urgent Care
 Smart Clinic
 Target Clinic
 Urgent Care Doctor's Office, PA
 WestHealth Urgent Care

OB/GYN

Advanced Specialty Care For Women
 Essentia Health - Brainerd Specialty Clinics
 John A. Haugen Assoc.
 Northland Ob-Gyn Assoc.
 Oakdale Ob/Gyn
 Obstetrics & Gynecology Associates
 Partners Ob/Gyn
 Paul Larson Ob/Gyn Clinic
 Planned Parenthood Of Minnesota, North Dakota, South Dakota
 Premier OB/GYN of Minnesota
 Women's Health Consultants

Pediatric

All About Children Pediatrics
 Central Pediatrics
 Children's Hospital Clinics Mpls, St. Paul, Tams, PACE
 Dakota Pediatric Clinic
 Fridley Children's & Teenagers' Medical Center
 Partners In Pediatrics
 Pediatric and Adolescent Services
 Pediatric and Young Adult Medicine
 South Lake Pediatrics
 Southdale Pediatric Associates Ltd
 Wayzata Children's Clinic

Allergy/Immunology

Advancements in Allergy and Asthma Care
 Allergy & Asthma Specialists, PA
 Allergy and Asthma Care
 Allergy, Asthma & Pulmonary Associates, PA
 Children's Respiratory & Critical Care Specialists
 Minnesota Lung Center/Minnesota Sleep Institute

Appendix 1: Data Sources and Data Collection

Administrative and Hybrid Measures

Data used for the administrative and hybrid measures originated from health plan administrative claims databases. Hybrid measures were supplemented by medical record review. Data elements were specified by the Healthcare Effectiveness Data and Information Set (HEDIS) 2012 Technical Specifications (2011 dates of service). HEDIS is produced and maintained by the National Committee for Quality Assurance (NCQA). The technical specifications provided detailed steps and instructions to ensure that the submitted data met rigorous standards.

The data elements were collected by the health plans using the HEDIS technical specifications that followed the annual HEDIS calendar. In addition, each health plan's data were subjected to extensive validation processes to ensure quality measures followed the standards described in Volume 5, HEDIS Compliance Audit®: Standards, Policies and Procedures. All health plan data were audited by an NCQA-certified HEDIS auditor.

MNCM developed a Data Structure document with detailed steps and instructions to ensure that data were submitted in a consistent way. In 2012, 10 data sources – Blue Cross and Blue Shield of Minnesota, HealthPartners, Itasca Medical Care, Medica, Metropolitan Health Plan, PreferredOne, PrimeWest Health System (county-based purchaser), Sanford Health Plan, South Country Health Alliance (county-based purchaser), and UCare – submitted data to MNCM. The submitted health plan data reflected patients/members enrolled in the following products: commercial HMO/POS/PPO, Medicare Cost, Medicare Risk, and Minnesota Health Care Programs (Prepaid Medical Assistance including dual eligibles and MinnesotaCare). Administrative and hybrid measures do not include patients who are uninsured, patients who self-pay, or patients who are served by Medicaid/Medicare fee-for-service.

All health plan data files were submitted to MNCM for aggregation, validation, and public reporting. An independent vendor under contract with MNCM conducted the aggregation and validation processes. Each health plan file was carefully reviewed to ensure conformance with the data structure and to identify unusual or unanticipated patterns. The files were also checked for proper formatting, missing and invalid values, and to confirm accurate record counts. Preliminary health plan rates were calculated and returned to each health plan for additional validation.

Once these file validation checks were finalized, the data files from all 10 health plans were aggregated to create a comprehensive data file of results by medical group. The aggregated data file was then checked for accurate record counts and preliminary MNCM rates were calculated. The preliminary rates were carefully reviewed by MNCM staff and the data aggregation vendor. Particular attention was paid to notable changes from previous years at the statewide and medical group levels. After these checks were finalized, preliminary rates were compiled into the Health Care Disparities Report and sent to DHS and medical groups for review and comment. Any data concerns identified were reviewed to determine if the issues were related to the submitted data.

Appendix 1: Data Sources and Data Collection

Direct Data Submission Measures

The data source of clinic-level results was the clinic itself. All data elements were specified by MNCM in our 2012 Direct Data Submission (DDS) Guides (2011 dates of service). These guides provided detailed steps and instructions to ensure that clinics submitted data in a consistent way.

Data for the Direct Data Submission measures were reported at two levels: by clinic site and medical group. Clinics are defined as single sites where patients receive their care. Medical groups usually consist of multiple clinic sites. Often, the medical group provides centralized administrative functions for several clinic sites.

Medical groups/clinics that submit data for individual clinics must first register through the MNCM Data Portal. Once registered, they have the option to submit data on a clinic's total patient population or for a representative sample of the clinic's total patient population. Detailed instructions for sampling were also provided in the DDS Guide. Medical groups/clinics that submit through the DDS process must submit data for all clinics within the medical group.

Clinic abstractors collected data from medical records by either extracting the data from an electronic medical record through a data query or by abstracting the data from a paper-based medical record. Medical groups completed numerous quality checks before data were submitted to MNCM. All appropriate HIPAA requirements were followed.

Medical groups/clinics submitted the required data elements directly through the portal. This process is referred to as MNCM DDS. Once data were submitted, an extensive validation process was followed which included quality checks of all files and on-site audits for selected clinics. For the on-site audits, MNCM uses the National Committee for Quality Assurance's (NCQA) "8 and 30" File Sampling Procedure, developed in 1996 in consultation with Johns Hopkins University. For a detailed description of this procedure, see www.ncqa.org. Audits were conducted by MNCM staff and/or contracted auditors who were independent of medical groups and/or clinics. Validation is very important for ensuring that the data are reliable, complete and consistent.

Appendix 2: Methods

Measures reported

Three types of measures were reported at the medical group level – measures that used an administrative data only method submitted by the health plans, measures that used a hybrid method (administrative claims data plus medical record review) submitted by the health plans, and measures that used data submitted directly to MNMCM by medical groups and clinics from electronic health records or paper-based medical charts. The following measures used the hybrid method (referenced in Appendix 1):

- Controlling High Blood Pressure
- Childhood Immunization Status (Combo 3)

The following measures used the data submitted by the health plans using the administrative method (referenced in Appendix 1):

- Appropriate Treatment for Children with Upper Respiratory Infection
- Appropriate Testing for Children with Pharyngitis
- Breast Cancer Screening
- Cervical Cancer Screening
- Chlamydia Screening

The following measures used data submitted directly to MNMCM by medical groups and clinics (DDS) (referenced in Appendix 1):

- Optimal Diabetes Care
- Optimal Vascular Care
- Depression Remission at Six Months
- Optimal Asthma Care - Children Ages 5-17
- Optimal Asthma Care - Adults Ages 18-50
- Colorectal Cancer Screening

Each year, these measure specifications are reviewed against current evidence-based guidelines. Specifications for measures that use the hybrid and administrative method were calculated using NCQA's 2012 HEDIS Technical Specifications. Specifications for DDS measures were calculated by MNMCM's Data Portal using MNMCM's 2012 DDS Guide and Technical Specifications.

Eligible Population Specifications

The eligible populations for the administrative and hybrid measures were identified by each participating health plan utilizing its respective administrative databases. NCQA's 2012 HEDIS Technical Specifications provided the standard definitions for the eligible population for each measure, which included data elements such as age, continuous enrollment, and anchor date requirements.

The eligible populations for the measures reported directly to MNMCM by medical groups and clinics were identified by a medical group on behalf of their individual clinics. MNMCM's 2012 DDS Guide and Technical Specifications provided the standard definitions for the eligible population for each measure, which included elements such as age, appropriate diagnosis codes, number of visits needed in the measurement timeframe and established patient criteria. For administrative measures, the entire eligible population was the denominator. For hybrid measures, the eligible population served as the sampling frame from which to draw the number of patients for chart audit and the reference for weighting.

Appendix 2: Methods

Patient Attribution to Medical Groups/Clinics

Health plans assigned patients to a medical group using a frequency-based attribution logic and a standard medical group definition based on Tax Identification Numbers. Administrative billing codes determined the frequency of patient visits to medical groups. For most measures, patients were assigned to the medical group they visited most frequently during the measurement year. Patients who visited two or more medical groups with the same frequency were attributed to the medical group visited most recently in the measurement year. For two measures – Appropriate Testing for Children with Pharyngitis and Appropriate Treatment for Children with Upper Respiratory Infection – patients were assigned to the clinic they visited for the specific service.

In order to submit data at the clinic level for the DDS measures, medical groups attributed each patient to a single clinic within their medical group. Each medical group's patient attribution method is defined by the medical group and is then reviewed by MNMCM as part of the denominator certification process. Most patients are attributed to an assigned primary care provider. Some patients are attributed to a provider who saw the patient most often in the measurement year or most recently in the measurement year.

Sampling For Hybrid Measures

As noted previously, the hybrid method required each participating health plan to first identify the eligible population meeting measurement specifications using its administrative databases. This population of eligibles served as the sampling frame from which to draw the denominator (the patients for whom medical record review would be completed). The resource-intensive nature of medical record review necessitated pulling a random sample of the eligible population for medical record review. Medical record review was conducted for all enrollees drawn for the sample.

MNCM used a two-stage, random sampling process. This strategy was designed with statisticians to ensure reporting for the maximum number of medical groups while minimizing the impact of weighting on the results for any one medical group. The sampling procedure started with the health plans providing a data file containing a record for each eligible patient for each hybrid measure. This file also identified eligible patients that had been selected for the annual HEDIS sample. Additional patients were then selected from the remaining eligible population to meet MNMCM minimum reporting requirements.

For Measures Collected by Direct Data Submission

Medical groups may submit data on their full population or a sample of at least 60 patients per clinic, but they are strongly encouraged to submit their total population of patients. For medical groups that chose to submit a sample, the 2012 DDS Guide described accepted methods to select a systematic sample. This step is reviewed by MNMCM as part of the denominator certification process. In 2012, about 86 percent of clinics submitted their total population of patients for the Optimal Diabetes Care measure, about 93 percent of clinics for the Optimal Vascular Care measure, about 96 percent of clinics for the Optimal Asthma Care - ages 5-17, about 98 percent of clinics for the Optimal Asthma Care - ages 18-50, and about 78 percent of clinics for the Colorectal Cancer Screening measure. For the Depression Remission at Six Months measure, clinics must submit their total population.

Numerator Specifications

For administrative measures, the numerator was the number of patients from the eligible population who met numerator targets. For hybrid measures, the numerator was the number of patients from the sample who met numerator targets. For DDS measures, the numerator was the number of patients identified from either the eligible population or the sample who meet the numerator targets. The targets are specified by MNMCM in the DDS Guide and compliance with these specifications is audited.

Appendix 2: Methods

Weighting

For Hybrid Measures

Because data for the hybrid measures were taken from a sample, results were weighted to obtain accurate rates. This allowed for aggregation and unbiased reporting by medical group. Weighting enabled MNMCM to draw a sample on which to estimate medical group and statewide rates. Weighting was applied to efficiently utilize health plan resources for data collection on a randomly sampled population. Weights were calculated for each sampling stratum (i.e., health plan/health plan product/medical group). A weight was equal to the total eligible population for that stratum divided by the total sample size for that stratum. In calculating rates for a population – medical group or statewide – the denominator was the sum of the weights for all patients in that population, and the numerator was the sum of the weights for patients in the population who met the numerator targets.

For Measures Collected by Direct Data Submission

Data for the Direct Data Submission measures were taken from a sample but only for clinics that elected to sample their total population. In these cases, results were weighted to account for the total population, thus allowing a performance rate to be calculated based on the complete census of all patients in the clinic. For the Depression Remission at Six Months measure, clinics were required to submit their total population and because of this the results are not weighted.

Calculating Rates

For Administrative and Hybrid Measures

Medical group level rates were expressed as percentages. They were calculated as 100 times the number who met the numerator targets divided by the number who were eligible for the measure. Rates calculated for measures using the administrative method were straightforward. However, rates calculated for measures using the hybrid method required weighting because of the sampling procedures. Rates and 95-percent-asymmetrical confidence intervals were calculated for each measure for each medical group. Asymmetrical confidence intervals were used to avoid confidence interval lower-bound values less than zero and upper bound values greater than one hundred. Medical group rates are first calculated for each group and then a medical group average is calculated. The medical group average is displayed when comparing medical group performance to provide context.

For Measures Collected by Direct Data Submission

Clinic level rates were expressed as percentages. Clinic level rates are calculated as 100 times the number who meet the numerator specifications divided by the number in the denominator for the measure. Rates from measures using the total eligible population are straightforward calculations whereby the total eligible population serves as the denominator. For clinics that elected to sample from their total population, the rates calculated for the measures required weighting to account for the total eligible population of the clinics. Due to the dynamic nature of clinic patient populations, rates and 95 percent confidence intervals are calculated for each measure for each clinic regardless of whether clinics submitted a full population or a sample. Clinic level rates are first calculated for each clinic and then a clinic average rate is calculated. The clinic average rate is displayed when comparing a single clinic to the performance of all clinics to provide context.

Assigning Payer Product Types for Measures Collected by Direct Data Submission

As part of Minnesota Community Measurement's Direct Data Submission process, medical groups directly submit data to MNMCM to calculate clinic level performance rates. This information does not include payer product type. In order to calculate MHCP and Other Purchaser rates for the DDS measures, information submitted via DDS was supplemented with information from health plans to obtain a patient's payer product type (e.g., commercial, Medicaid, Medicare). Working with medical group and health plan representatives, MNMCM developed a process to link the DDS performance data with health plan enrollment data and appropriately assign product type per patient.

Appendix 2: Methods

Limitations

The medical groups and clinics identified in this report did not represent all medical groups and clinics in Minnesota. MNMCM established minimum thresholds for public reporting to ensure statistically reliable rates. Only medical groups and clinics that met these thresholds were reported. Because hybrid measures are based on a sample, a higher threshold is used— 60 patients per medical group was required for public reporting to ensure a reasonable level of confidence in the reported rate. However, administrative measures are based on a complete census of managed care patients, so a minimum threshold of 30 patients per medical group was required. Direct Data Submission measures are based on complete census of all patients regardless of payer so a minimum threshold of 30 patients per clinic was required. It should also be noted that although medical groups and clinics are reported for some measures this may not mean they are reported for all measures.

It bears repeating that data used to calculate rates for administrative and hybrid measures reflected patients insured through one of ten health plans. Medical groups with patients who were insured through other health plans, who were uninsured, who self-pay, or who were served by a Medicaid/Medicare fee-for-service program were not reflected in these results. Therefore, the data for these measures did not necessarily represent a medical group's entire patient population.

Caution is recommended when making comparisons from year to year. Annual rate differences can occur due to natural variation, changes in measurement specifications, changes in data sources and other unknown factors.

Limitations/implications of using continuous enrollment criteria with MHCP patients

Continuous enrollment specifies the minimum amount of time that a person must be enrolled in a health plan before he or she is eligible for a measure. Continuous enrollment criteria are used by a health plan to ensure ample time for a person/patient to obtain health care services while enrolled. The purpose is to standardize the method of patient inclusion in a measure across all health plans and medical groups. When used as part of a measurement tool, continuous enrollment defines a sufficient timeframe during which a health care service could be performed. A shorter enrollment period makes it less likely for a health care service to be rendered and also makes it difficult for a health plan to respond to the needs of a patient.

Patients can have interruptions in enrollment with a health insurance plan. These interruptions are also referred to as "gaps in enrollment." During a gap, a patient does not have health insurance coverage, making it less likely for him or her to obtain health care services. Unfortunately, MHCP patients may have multiple interruptions in enrollment during a 12-month period due to events such as the loss of MHCP eligibility. For most HEDIS measures, a 45-day gap in enrollment allows a patient to be included in a measure, but a study of the Medicaid population in Oregon demonstrated that these patients often have gaps in enrollment that exceed 45 days (Howard et al, 2002). Therefore, Medicaid patients, including patients enrolled in MHCP, who are represented in HEDIS measures are those with continuous enrollment and may not be reflective of the experience of all Medicaid/MHCP patients. For some measures, such as Cervical Cancer Screening, HEDIS continuous enrollment specifications are adjusted so that more Medicaid patients are eligible for the measure.

When performance rates are further calculated by race for the MHCP population, the continuous enrollment criteria magnifies the concern about representation. A review by the Minnesota Department of Human Services showed that continuous enrollment criteria reduced the representation of some racial groups within a HEDIS measure and some measures were impacted more than others. When designing quality improvement interventions targeting specific patient populations, particularly projects based on race, it will be important for medical groups and clinics to be aware of the impact that continuous enrollment has on HEDIS measures in general and for each racial group. To work with a more representative population, an adjustment of the continuous enrollment criteria may be necessary depending on the measures selected.

Appendix 2: Methods

Data Analyses

Identifying High-Performing Medical Groups/Clinics

For each measure, we calculated both individual medical group rates and a medical group average rate for MHCP patients. We identified medical groups that achieved high performance by comparing the individual medical group/clinic rate with the medical group average. Medical groups that had rates and 95 percent confidence intervals that were fully above the medical group average were noted as high performers. These high performers were highlighted in the Results by Measure section for each measure. The performance rates for all medical groups are presented by performance rate in descending order in Appendix 3. The same methods were performed at the clinic level for the DDS measures.

Identifying Medical Groups with Biggest Improvements

For each measure, we compared individual medical group rates during report year 2012 with their rates during report year 2011, calculating a percentage point difference. Medical groups with the largest percentage point increases were identified.

Medical Group Performance Over Time (3 years)

This analysis was done to determine patterns of medical group performance over time per measure. Patterns were reviewed for the three reporting years (2010, 2011 and 2012). See “Medical Group Performance over Time (2010-2012)” in the Results by Measure section and Appendix 4 for detailed tables of medical groups.

Patterns in rate changes over the three reporting years (2010, 2011, and 2012) were reviewed. Only medical groups with rates for each of the three reporting periods per measure were included in the analysis. The analysis was defined as three reporting years to allow as many groups as possible to have three years of reported data and the opportunity to be included in the analysis. The percent and number of medical groups were reported for each of the following patterns of rate changes over the past three years for each measure:

- High performance and above average rates: Medical groups with a rate and confidence interval greater than the statewide average for each of the three years.
- Consistently improved: Medical groups with more than a two percentage point increase between each consecutive year.
- Relatively stable: Medical groups that had no more than a two percentage point increase or decrease between each consecutive year (-2% to +2%).
- Consistently decreased: Medical groups with more than a two percentage point decrease between each consecutive year.
- Variable performance (with an improvement or with a decline): Medical groups with an up/down pattern that was not consistent and did not fall into one of the other categories.

The performance for each medical group was analyzed using a pair-wise comparison between the first and last year. Statistical significance was designated at a p-value of less than 0.05. Statistical analysis was conducted using a general linear regression model with SASv9.1 (SAS Institute, Cary, NC) for each medical group. Statistical significance was designated at a p-value of less than 0.05.

Analysis of Linear Trend

This analysis reviewed statewide gaps between purchasers (MHCP versus Other Purchasers) over time. Six measures with five or more years of data were examined for a linear trend in the difference between purchasers over time (Other Purchasers rate - MHCP rate). A linear trend was calculated for each measure using a general linear regression model with SASv9.1 (SAS Institute, Cary, NC).

Appendix 3: Medical Group and Clinic Performance Rate Tables

This section includes detailed tables per measure. The following elements are included in each table:

- Medical Group/Clinic name in order of high rate to low rate.
- The total number of patients in the denominator for each measure (N).
- The medical group's overall rate for each measure in their MHCP population.
- The lower and upper bounds of the 95% confidence interval.
- A rating that categorizes each medical group/clinic's performance. An "Above" average rating is for medical groups/clinics that have an average and confidence interval that is fully above the overall medical group/clinic average for MHCP patients. An "Average" rating is for groups/clinics that have a confidence interval that includes the overall medical group/clinic average for MHCP patients. A "Below" average rating is for groups/clinics that have an average and confidence interval that is fully below the overall medical group/clinic average for MHCP patients.
- Total Population or Sample tells whether the rate was calculated using a sample or total population of a medical group/clinic's MHCP patient population. For five measures at the medical group level, Optimal Diabetes Care, Optimal Vascular Care, Optimal Asthma Care - Ages 5-17, Optimal Asthma Care - Ages 18-50, and Colorectal Cancer Screening a rate may be calculated using a mix of a sample and total population. A medical group may have a "mixed" population if one or more of its clinics submit a sample while the other clinics sites submit total population.

Contents of Detailed Tables per Measure

"Living with Illness" measures

- Table 17.1: Optimal Diabetes Care Clinic Level
- Table 17.2: Optimal Diabetes Care Clinic Level results rolled up to Medical Group
- Table 18.1: Optimal Vascular Care Clinic Level
- Table 18.2: Optimal Vascular Care Clinic Level results rolled up to Medical Group
- Table 19: Controlling High Blood Pressure Medical Group Level Results
- Table 20.1: Optimal Asthma Care Children Ages 5-17 Clinic Level
- Table 20.2: Optimal Asthma Care Children Ages 18-50 Clinic Level results rolled up to Medical Group
- Table 20.3: Optimal Asthma Care Adults Ages 18-50 Clinic Level
- Table 20.4: Optimal Asthma Care Adults Ages 18-50 Clinic Level results rolled up to Medical Group

"Getting Better" measures

- Table 21: Depression Remission at Six Months Clinic Level
- Table 22: Appropriate Treatment for Children with URI Medical Group Level Results
- Table 23: Appropriate Testing for Children with Pharyngitis Medical Group Level Results

"Staying" Healthy" measures

- Table 24: Breast Cancer Screening Medical Group Level Results
- Table 25: Cervical Cancer Screening Medical Group Level Results
- Table 26.1: Colorectal Cancer Screening Clinic Level
- Table 26.2: Colorectal Cancer Screening Clinic Level results rolled up to Medical Group
- Table 27: Chlamydia Screening Medical Group Level Results
- Table 28: Childhood Immunization Status (Combo 3) Medical Group Level Results

Table 17.1: Optimal Diabetes Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (Δ = Endocrinology)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		25.8%	25.2%	26.5%		
Park Nicollet Clinic - Eagan	52	53.9%	40.5%	66.7%	Above	Total Population
Allina Medical Clinic - West Health Campus	41	53.7%	38.8%	67.9%	Above	Total Population
Allina Medical Clinic - The Doctors Uptown	30	53.3%	36.1%	69.8%	Above	Total Population
Allina Medical Clinic - Ramsey	35	51.4%	35.6%	67.0%	Above	Total Population
Mayo Clinic Health System Lake City	32	50.0%	33.6%	66.4%	Above	Total Population
Fairview Crosstown Clinic	33	48.5%	32.5%	64.8%	Above	Total Population
Allina Medical Clinic - Eagan	56	48.2%	35.7%	61.0%	Above	Total Population
Park Nicollet Clinic - Shakopee	91	47.3%	37.3%	57.4%	Above	Total Population
Essentia Health - Spooner Clinic	49	46.9%	33.7%	60.6%	Above	Total Population
HealthPartners - Andover	32	46.9%	30.9%	63.6%	Above	Total Population
Allina Medical Clinic - Buffalo	58	46.6%	34.3%	59.2%	Above	Total Population
HealthEast - Woodbury	38	44.7%	30.2%	60.3%	Above	Total Population
Park Nicollet Clinic - Burnsville	131	44.3%	36.1%	52.8%	Above	Total Population
Allina Medical Clinic - Northfield	48	43.8%	30.7%	57.7%	Above	Total Population
Park Nicollet Clinic - Plymouth	32	43.8%	28.2%	60.7%	Above	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (East)	37	43.2%	28.7%	59.1%	Above	Total Population
Mayo Clinic Health System Mankato Eastridge	44	43.2%	29.7%	57.8%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	109	43.1%	34.2%	52.5%	Above	Total Population
Quello Clinic - Burnsville	33	42.4%	27.2%	59.2%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Internal Medicine	97	42.3%	32.9%	52.2%	Above	Total Population
Allina Medical Clinic - Cottage Grove	76	42.1%	31.7%	53.3%	Above	Total Population
Mayo Clinic - Kasson	50	42.0%	29.4%	55.8%	Above	Total Population
Allina Medical Clinic - Woodlake	53	41.5%	29.3%	54.9%	Above	Total Population
Allina Medical Clinic - Shakopee	57	40.4%	28.6%	53.3%	Above	Total Population
Park Nicollet Clinic - Bloomington	35	40.0%	25.6%	56.4%	Average	Total Population
Allina Health System - New Ulm Medical Center	86	39.5%	29.9%	50.1%	Above	Total Population
Allina Medical Clinic - Nicollet Mall	46	39.1%	26.4%	53.5%	Above	Total Population
Park Nicollet Clinic - Maple Grove	59	39.0%	27.6%	51.7%	Above	Total Population
HealthPartners - Ctr for Internat'l Hlth	126	38.9%	30.8%	47.6%	Above	Total Population
Fairview EdenCenter Clinic	60	38.3%	27.1%	51.0%	Above	Total Population
Allina Medical Clinic - West St. Paul	94	38.3%	29.1%	48.4%	Above	Total Population
Allina Medical Clinic - Faribault	97	38.1%	29.1%	48.1%	Above	Total Population
Fairview Brooklyn Park Clinic	117	37.6%	29.4%	46.7%	Above	Total Population
Fairview Oxboro Clinic	86	37.2%	27.8%	47.8%	Above	Total Population
Allina Medical Clinic - Isles	43	37.2%	24.4%	52.1%	Average	Total Population
Allina Medical Clinic - Coon Rapids	295	37.0%	31.6%	42.6%	Above	Total Population
Park Nicollet Clinic - Wayzata	30	36.7%	21.9%	54.5%	Average	Total Population
Allina Medical Clinic - Edina	85	36.5%	27.0%	47.1%	Above	Total Population
HealthEast - Midway	33	36.4%	22.2%	53.4%	Average	Total Population
Life Medical	33	36.4%	22.2%	53.4%	Average	Sample
Fairview CedarRidge Clinic	67	35.8%	25.4%	47.8%	Average	Total Population
HealthPartners - Midway	107	35.5%	27.1%	44.9%	Above	Total Population
Essentia Health - West Duluth Clinic	79	35.4%	25.8%	46.4%	Average	Total Population
Sanford South Moorhead Internal Medicine	46	34.8%	22.7%	49.2%	Average	Total Population
Aspen Medical Group - Maplewood	75	34.7%	24.9%	46.0%	Average	Total Population
Essentia Health - Deer River Clinic	35	34.3%	20.8%	50.9%	Average	Total Population
Entira Family Clinics - North St. Paul	38	34.2%	21.2%	50.1%	Average	Total Population

Table 17.1: Optimal Diabetes Care Rates by Clinic- *continued*
 (Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (Δ = Endocrinology)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		25.8%	25.2%	26.5%		
Fairview Eagan Clinic	38	34.2%	21.2%	50.1%	Average	Total Population
CentraCare Health Plaza-Family Medicine	41	34.2%	21.6%	49.5%	Average	Total Population
Essentia Health - Hibbing Clinic	41	34.2%	21.6%	49.5%	Average	Total Population
FirstLight Health System - Mora	74	33.8%	24.1%	45.1%	Average	Total Population
Affiliated Community Medical Centers - Marshall Clinic	77	33.8%	24.2%	44.9%	Average	Total Population
Allina Medical Clinic - Champlin	36	33.3%	20.2%	49.7%	Average	Total Population
Sanford Southpointe Internal Medicine	33	33.3%	19.8%	50.4%	Average	Total Population
HealthPartners - Coon Rapids	88	33.0%	24.0%	43.3%	Average	Total Population
HealthPartners - Woodbury	79	32.9%	23.6%	43.9%	Average	Total Population
Hutchinson Medical Center	104	32.7%	24.4%	42.2%	Average	Total Population
Fairview Elk River Clinic	49	32.7%	21.2%	46.6%	Average	Total Population
Family Practice Medical Center of Willmar	49	32.7%	21.2%	46.6%	Average	Total Population
Entira Family Clinics - East Side	40	32.5%	20.1%	48.0%	Average	Total Population
Essentia Health - Ashland Clinic	65	32.3%	22.2%	44.4%	Average	Total Population
Affiliated Community Medical Centers - Willmar Clinic	165	32.1%	25.5%	39.6%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	162	32.1%	25.4%	39.6%	Average	Total Population
Park Nicollet Clinic - Brookdale	197	32.0%	25.9%	38.8%	Above	Total Population
Allina Medical Clinic - Forest Lake	44	31.8%	20.0%	46.6%	Average	Total Population
HealthPartners - West	38	31.6%	19.1%	47.5%	Average	Total Population
University of Minnesota Physicians - Bethesda Clinic	140	31.4%	24.3%	39.5%	Average	Total Population
Mankato Clinic - Main Street	83	31.3%	22.4%	41.9%	Average	Total Population
University of Minnesota Physicians - Smiley's Clinic	160	31.3%	24.6%	38.8%	Average	Total Population
Fairview Hiawatha Clinic	48	31.3%	20.0%	45.3%	Average	Total Population
Fairview Milaca Clinic	32	31.3%	18.0%	48.6%	Average	Total Population
HealthPartners - Elk River	32	31.3%	18.0%	48.6%	Average	Total Population
HealthPartners - Bloomington	100	31.0%	22.8%	40.6%	Average	Total Population
Essentia Health - Hermantown Clinic	42	31.0%	19.1%	46.0%	Average	Total Population
HealthPartners - Riverside	159	30.8%	24.2%	38.4%	Average	Total Population
Mayo Clinic Health System Owatonna	114	30.7%	23.0%	39.7%	Average	Total Population
Fairview Fridley Clinic	88	30.7%	22.0%	41.0%	Average	Total Population
Allina Medical Clinic - Shoreview	33	30.3%	17.4%	47.3%	Average	Total Population
Quello Clinic - Edina	33	30.3%	17.4%	47.3%	Average	Total Population
HealthPartners - Adult & Seniors Health	175	30.3%	24.0%	37.5%	Average	Total Population
Fairview Princeton Clinic	83	30.1%	21.3%	40.7%	Average	Total Population
HealthEast - Rice Street	123	30.1%	22.7%	38.7%	Average	Total Population
Allina Medical Clinic - United Medical Specialties	80	30.0%	21.1%	40.8%	Average	Total Population
Fairview Andover Clinic	40	30.0%	18.1%	45.4%	Average	Total Population
Aspen Medical Group - Bloomington	57	29.8%	19.5%	42.7%	Average	Total Population
Essentia Health - St. Mary's-Superior Clinic	88	29.6%	21.0%	39.8%	Average	Total Population
Affiliated Community Medical Centers - Redwood Falls Clinic	44	29.6%	18.2%	44.2%	Average	Total Population
Essentia Health - Ely Clinic	44	29.6%	18.2%	44.2%	Average	Total Population
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	246	29.3%	23.9%	35.2%	Average	Total Population
Essentia Health - Hayward Clinic	72	29.2%	19.9%	40.5%	Average	Total Population
Northwest Family Physicians - Crystal	48	29.2%	18.2%	43.2%	Average	Total Population
Essentia Health - Duluth Clinic 1st St	134	29.1%	22.1%	37.3%	Average	Total Population
Buffalo Clinic P.A.- Buffalo Clinic	49	28.6%	17.9%	42.4%	Average	Total Population
HealthEast - Oakdale	35	28.6%	16.3%	45.1%	Average	Total Population

Table 17.1: Optimal Diabetes Care Rates by Clinic- *continued*
 (Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (Δ = Endocrinology)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		25.8%	25.2%	26.5%		
Sanford South Moorhead Family Medicine	35	28.6%	16.3%	45.1%	Average	Total Population
North Memorial Clinic - Brooklyn Park Physicians	74	28.4%	19.4%	39.5%	Average	Total Population
Apple Valley Medical Clinic - Family Practice	71	28.2%	19.0%	39.5%	Average	Total Population
HealthPartners - Como	68	27.9%	18.7%	39.6%	Average	Total Population
Fairview Columbia Heights Clinic	104	27.9%	20.2%	37.2%	Average	Total Population
United Hospital District Clinic	144	27.8%	21.1%	35.6%	Average	Total Population
HealthPartners Central Minnesota Clinics	126	27.8%	20.7%	36.2%	Average	Total Population
Western Wisconsin Medical Associates - New Richmond Clinic	47	27.7%	16.9%	41.8%	Average	Total Population
CentraCare River Campus-Internal Medicine	58	27.6%	17.8%	40.2%	Average	Total Population
Aspen Medical Group - Bandana Square	102	27.5%	19.7%	36.8%	Average	Total Population
Sanford Bemidji Main Clinic Internal Medicine	44	27.3%	16.4%	41.9%	Average	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (West)	33	27.3%	15.1%	44.2%	Average	Total Population
HealthEast - Maplewood	33	27.3%	15.1%	44.2%	Average	Total Population
Rainy Lake Medical Center	52	26.9%	16.8%	40.3%	Average	Total Population
Allina Medical Clinic - Woodbury	56	26.8%	17.0%	39.6%	Average	Total Population
Stillwater Medical Group - Curve Crest Clinic	75	26.7%	18.0%	37.6%	Average	Total Population
Aspen Medical Group - Inver Grove Heights	30	26.7%	14.2%	44.5%	Average	Total Population
HealthPartners - Arden Hills	30	26.7%	14.2%	44.5%	Average	Total Population
Mayo Clinic Health System Fairmont	49	26.5%	16.2%	40.3%	Average	Total Population
Fairview Blaine Clinic	31	25.8%	13.7%	43.3%	Average	Total Population
HealthPartners - Inver Grove Heights	31	25.8%	13.7%	43.3%	Average	Total Population
Sanford Worthington Clinic	31	25.8%	13.7%	43.3%	Average	Total Population
St Luke's Clinics-Internal Medicine Associates	35	25.7%	14.2%	42.1%	Average	Total Population
Aspen Medical Group - East Lake Street	43	25.6%	14.9%	40.2%	Average	Total Population
Fairview Ridges Clinic	51	25.5%	15.6%	38.9%	Average	Total Population
Fairview Red Wing Medical Center	63	25.4%	16.3%	37.3%	Average	Total Population
HealthPartners - Anoka	75	25.3%	16.9%	36.2%	Average	Total Population
University of Minnesota Physicians - Phalen Clinic	120	25.0%	18.1%	33.4%	Average	Total Population
Fairview Northeast Clinic	60	25.0%	15.8%	37.2%	Average	Total Population
Mayo Clinic - Baldwin Building, Family Medicine	44	25.0%	14.6%	39.4%	Average	Total Population
North Memorial - Silver Lake Clinic St. Anthony	32	25.0%	13.3%	42.1%	Average	Total Population
HealthEast - Roselawn	109	24.8%	17.6%	33.6%	Average	Total Population
HealthEast - Grand Avenue	49	24.5%	14.6%	38.1%	Average	Total Population
Sanford Southpointe Family Medicine	41	24.4%	13.8%	39.3%	Average	Total Population
Park Nicollet Clinic - Minneapolis	145	24.1%	17.9%	31.7%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Cntr	50	24.0%	14.3%	37.4%	Average	Total Population
North Memorial Clinic - Brooklyn Center Physicians	50	24.0%	14.3%	37.4%	Average	Total Population
CentraCare - Heartland	42	23.8%	13.5%	38.5%	Average	Total Population
Allina Medical Clinic - Hastings (W First St)	59	23.7%	14.7%	36.0%	Average	Total Population
HealthPartners - St Paul	149	23.5%	17.4%	30.9%	Average	Total Population
HealthPartners - Maplewood	77	23.4%	15.3%	34.0%	Average	Total Population
HealthPartners - Brooklyn Center	137	23.4%	17.1%	31.1%	Average	Total Population
North Memorial Clinic - Golden Valley Physicians	43	23.3%	13.2%	37.7%	Average	Total Population
Mayo Clinic Health System Austin	155	23.2%	17.3%	30.5%	Average	Total Population
HealthPartners - Apple Valley	56	23.2%	14.1%	35.8%	Average	Total Population
Fairview Lakes Medical Center	70	22.9%	14.6%	34.0%	Average	Total Population
Winona Health - Winona Clinic	84	22.6%	15.0%	32.7%	Average	Total Population

Table 17.1: Optimal Diabetes Care Rates by Clinic- *continued*
 (Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (Δ = Endocrinology)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		25.8%	25.2%	26.5%		
Community-University Health Care Center	204	22.6%	17.4%	28.8%	Average	Total Population
Essentia Health - Duluth Clinic	49	22.5%	13.0%	35.9%	Average	Total Population
Alexandria Clinic, A Service of Douglas County Hospital	112	22.3%	15.6%	30.9%	Average	Total Population
Park Nicollet Clinic - Chanhasseen	45	22.2%	12.5%	36.3%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	173	22.0%	16.4%	28.7%	Average	Total Population
Sanford Luverne Clinic	37	21.6%	11.4%	37.2%	Average	Total Population
CentraCare Health System Long Prairie	42	21.4%	11.7%	35.9%	Average	Total Population
Family Medical Center	57	21.1%	12.5%	33.3%	Average	Sample
Mid Minnesota Family Medicine Center	110	20.9%	14.4%	29.4%	Average	Total Population
Bloomington Lake Clinic - Xerxes	120	20.8%	14.5%	29.0%	Average	Total Population
Mayo Clinic - Speciality Practice	150	20.7%	15.0%	27.8%	Average	Total Population
University of Minnesota Physicians - Primary Care Center	60	20.0%	11.8%	31.8%	Average	Total Population
Hennepin Co. Med. Cntr (HCMC) Clinics - Internal Med. Parkside	55	20.0%	11.6%	32.4%	Average	Total Population
Sanford Broadway Internal Medicine Clinic	36	19.4%	9.8%	35.0%	Average	Total Population
Essentia Health - Virginia Clinic	62	19.4%	11.4%	30.9%	Average	Total Population
St Luke's Clinics-Chequamegon Clinic	31	19.4%	9.2%	36.3%	Average	Total Population
Sanford Bemidji 1611 Anne St Clinic	52	19.2%	10.8%	31.9%	Average	Total Population
University of Minnesota Physicians - Broadway Family Medicine	151	19.2%	13.7%	26.2%	Average	Total Population
Allina Medical Clinic - Elk River	37	18.9%	9.5%	34.2%	Average	Total Population
Affiliated Community Medical Centers - Benson Clinic	32	18.8%	8.9%	35.3%	Average	Total Population
HealthEast Roseville Clinic	56	17.9%	10.0%	29.8%	Average	Total Population
Δ Park Nicollet Clinic - St. Louis Park Endocrinology	191	17.8%	13.0%	23.8%	Below	Total Population
Buffalo Clinic P.A. - Monticello Clinic	41	17.1%	8.5%	31.3%	Average	Total Population
Sanford Bemidji Main Clinic Family Medicine	65	16.9%	9.7%	27.8%	Average	Total Population
Sanford Detroit Lakes Clinic	95	16.8%	10.6%	25.6%	Below	Total Population
Gateway Family Health Clinic - Moose Lake	60	16.7%	9.3%	28.0%	Average	Total Population
Mayo Clinic Health System Mankato Specialty Clinic	42	16.7%	8.3%	30.6%	Average	Total Population
Mayo Clinic Health System Albert Lea	135	16.3%	11.0%	23.4%	Below	Total Population
Sanford Wahpeton Clinic	43	16.3%	8.1%	30.0%	Average	Total Population
Winona Health - Family Medicine	43	16.3%	8.1%	30.0%	Average	Total Population
Δ University of MN Physicians - Medicine Specialties Clinic 6A	100	16.0%	10.1%	24.4%	Below	Total Population
Δ St Luke's Clinics-Endocrinology Associates	33	15.2%	6.7%	30.9%	Average	Total Population
NorthPoint Health & Wellness Center	436	15.1%	12.1%	18.8%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	73	15.1%	8.6%	25.0%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	64	14.1%	7.6%	24.6%	Below	Total Population
Sanford Perham Clinic	39	12.8%	5.6%	26.7%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Downtown	503	12.3%	9.7%	15.5%	Below	Total Population
Δ HCMC Clinics - Hennepin Center for Diabetes & Endocrinology	206	11.7%	8.0%	16.8%	Below	Total Population
LakeWood Health Center Clinic	35	11.4%	4.5%	26.0%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	152	11.2%	7.1%	17.2%	Below	Total Population
HealthPartners - Specialty Center 401	72	11.1%	5.7%	20.4%	Below	Total Population
Fairview Riverside Primary Care Clinic	57	10.5%	4.9%	21.1%	Below	Total Population
Δ CentraCare Health Plaza-Endocrinology	73	9.6%	4.7%	18.5%	Below	Total Population
Scenic Rivers Health Services - Bigfork/Big Falls	30	6.7%	1.9%	21.3%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	32	3.1%	0.6%	15.7%	Below	Total Population
Bluestone Physician Services	40	0.0%	0.0%	8.8%	Below	Total Population

Table 17.2: Optimal Diabetes Care Rates by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		25.8%	25.2%	26.5%		
Quello Clinic	102	39.2%	30.3%	48.9%	Above	Total Population
Allina Health System	100	39.0%	30.0%	48.8%	Above	Total Population
Allina Medical Clinic	1,817	36.4%	34.2%	38.6%	Above	Total Population
Life Medical	33	36.4%	22.2%	53.4%	Average	Sample
Entira Family Clinics (formerly Family Health Services MN)	266	35.0%	29.5%	40.9%	Above	Total Population
Park Nicollet Health Services	1,351	34.6%	32.1%	37.1%	Above	Total Population
Ridgeview Clinics	58	32.8%	22.1%	45.6%	Average	Total Population
Hutchinson Medical Center	104	32.7%	24.4%	42.2%	Average	Total Population
Family Practice Medical Center of Willmar	49	32.7%	21.2%	46.6%	Average	Total Population
Essentia Health - East Region	888	31.2%	28.2%	34.3%	Above	Total Population
Affiliated Community Medical Centers	441	30.6%	26.5%	35.1%	Above	Total Population
Aspen Medical Group	350	30.0%	25.4%	35.0%	Average	Total Population
Fairview Health Services	1,499	29.9%	27.6%	32.3%	Above	Total Population
HealthEast Clinics	539	29.3%	25.6%	33.3%	Average	Total Population
Mankato Clinic, Ltd.	148	29.1%	22.3%	36.8%	Average	Total Population
HealthPartners Clinics	1,732	28.8%	26.7%	31.0%	Above	Total Population
Apple Valley Medical Clinic	71	28.2%	19.0%	39.5%	Average	Total Population
Northwest Family Physicians	71	28.2%	19.0%	39.5%	Average	Total Population
FirstLight Health System	96	28.1%	20.1%	37.8%	Average	Total Population
Mayo Clinic Health System	810	27.9%	24.9%	31.0%	Average	Mixed
United Hospital District Clinic	144	27.8%	21.1%	35.6%	Average	Total Population
HealthPartners Central Minnesota Clinics	126	27.8%	20.7%	36.2%	Average	Total Population
Mayo Clinic	517	27.3%	23.6%	31.3%	Average	Total Population
North Memorial	345	27.3%	22.8%	32.2%	Average	Total Population
Western Wisconsin Medical Associates	86	26.7%	18.5%	37.0%	Average	Total Population
Sanford Health - Sioux Falls Region	137	24.9%	18.5%	32.8%	Average	Mixed
University of Minnesota Physicians	746	24.8%	21.8%	28.0%	Average	Total Population
Gateway Family Health Clinic	86	24.4%	16.6%	34.5%	Average	Total Population
Buffalo Clinic, PA	107	24.3%	17.2%	33.2%	Average	Total Population
Stillwater Medical Group	89	23.6%	16.0%	33.4%	Average	Total Population
Sanford Health - Fargo Region	780	23.5%	20.6%	26.6%	Average	Total Population
CentraCare Health System	330	23.3%	19.1%	28.2%	Average	Total Population
Community University Health Care Center	204	22.6%	17.4%	28.8%	Average	Total Population
Alexandria Clinic	112	22.3%	15.6%	30.9%	Average	Total Population
Essentia Health - Central Region	43	21.6%	11.9%	36.0%	Average	Mixed
Olmsted Medical Center	282	21.3%	16.9%	26.4%	Average	Total Population
Unity Family Healthcare, Family Medical Center	57	21.1%	12.5%	33.3%	Average	Sample
Mid Minnesota Family Medicine Center	110	20.9%	14.4%	29.4%	Average	Total Population
Bloomington Lake Clinic	120	20.8%	14.5%	29.0%	Average	Total Population
Winona Health	135	20.0%	14.1%	27.5%	Average	Total Population
Altru Health System	52	17.3%	9.4%	29.7%	Average	Mixed
Neighborhood Healthsource	39	16.6%	8.1%	31.1%	Average	Mixed
St. Luke's Clinics	205	16.6%	12.1%	22.3%	Below	Total Population
Integrity Health Network	61	16.0%	8.9%	27.2%	Average	Mixed
Renville County Hospital and Clinics	38	15.8%	7.4%	30.4%	Average	Total Population
NorthPoint Health & Wellness Center	436	15.1%	12.1%	18.8%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics	1,179	13.2%	11.3%	15.2%	Below	Total Population
Lakewood Health Center Clinic	35	11.4%	4.5%	26.0%	Average	Total Population
Scenic Rivers Health Services	53	11.3%	5.3%	22.6%	Below	Total Population
Sibley Medical Center	40	10.0%	4.0%	23.1%	Below	Total Population
Paynesville Area Health System	67	7.5%	3.2%	16.3%	Below	Total Population
Riverwood Healthcare Center	35	2.9%	0.5%	14.5%	Below	Total Population
Bluestone Physician Services	40	0.0%	0.0%	8.8%	Below	Total Population

Table 18.1: Optimal Vascular Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (†= Cardiology)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		34.4%	33.1%	35.8%		
Allina Medical Clinic - Coon Rapids	83	61.5%	50.7%	71.2%	Above	Total Population
Allina Medical Clinic - Buffalo	31	54.8%	37.8%	70.8%	Above	Total Population
†Allina Health System - Metro. Heart & Vasc. Institute Coon Rapids	112	52.7%	43.5%	61.7%	Above	Total Population
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	46	47.8%	34.1%	61.9%	Average	Total Population
†Allina Health System - United Heart and Vascular Clinic	57	47.4%	35.0%	60.1%	Above	Total Population
Life Medical	33	42.4%	27.2%	59.2%	Average	Sample
Allina Health System - New Ulm Medical Center	31	41.9%	26.4%	59.2%	Average	Total Population
†Allina Health System - Minneapolis Heart Institute ANW	90	40.0%	30.5%	50.3%	Average	Total Population
Mayo Clinic Health System Albert Lea	43	39.5%	26.4%	54.4%	Average	Total Population
HealthPartners - Regions Specialty Ctr	101	38.6%	29.7%	48.4%	Average	Total Population
Mayo Clinic - Speciality Practice	58	37.9%	26.6%	50.8%	Average	Total Population
Alexandria Clinic, A Service of Douglas County Hospital	48	37.5%	25.2%	51.6%	Average	Total Population
HealthPartners - Adult & Seniors Health	44	36.4%	23.8%	51.1%	Average	Total Population
Sanford Detroit Lakes Clinic	36	36.1%	22.5%	52.4%	Average	Total Population
†University of Minnesota Heart - University Clinic	45	35.6%	23.2%	50.2%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	37	35.1%	21.8%	51.2%	Average	Total Population
St Luke's Clinics-Cardiology Associates	33	33.3%	19.8%	50.4%	Average	Total Population
†Hennepin County Med. Center (HCMC) Clinics - Hennepin Heart	30	33.3%	19.2%	51.2%	Average	Total Population
United Hospital District Clinic	57	31.6%	21.0%	44.5%	Average	Total Population
HealthPartners - Brooklyn Center	33	30.3%	17.4%	47.3%	Average	Total Population
Essentia Health - Duluth Clinic Main	60	28.3%	18.5%	40.8%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Downtown	128	26.6%	19.7%	34.8%	Average	Total Population
NorthPoint Health & Wellness Center	49	20.4%	11.5%	33.6%	Below	Total Population
†CentraCare River Campus-CentraCare Heart & Vascular Center	38	10.5%	4.2%	24.1%	Below	Total Population

Table 18.2: Optimal Vascular Care Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		34.4%	33.1%	35.8%		
Aspen Medical Group	82	51.2%	40.6%	61.7%	Above	Total Population
Allina Medical Clinic	475	48.8%	44.4%	53.3%	Above	Total Population
Park Nicollet Health Services	189	47.1%	40.1%	54.2%	Above	Total Population
Allina Health System	387	46.8%	41.9%	51.8%	Above	Total Population
Mayo Clinic	116	43.1%	34.5%	52.2%	Above	Total Population
North Memorial	86	42.6%	32.7%	53.2%	Average	Mixed
Life Medical	33	42.4%	27.2%	59.2%	Average	Sample
HealthEast Clinics	70	41.4%	30.6%	53.1%	Average	Total Population
Affiliated Community Medical Centers	63	41.3%	30.0%	53.6%	Average	Total Population
Mankato Clinic, Ltd.	35	40.0%	25.6%	56.4%	Average	Total Population
Fairview Health Services	339	39.8%	34.8%	45.1%	Above	Total Population
Entira Family Clinics (formerly Family Health Services MN)	58	39.7%	28.1%	52.5%	Average	Total Population
Essentia Health - East Region	262	38.2%	32.5%	44.2%	Average	Total Population
Alexandria Clinic	48	37.5%	25.2%	51.6%	Average	Total Population
Mayo Clinic Health System	175	37.1%	30.3%	44.5%	Average	Total Population
HealthPartners Clinics	413	36.1%	31.6%	40.8%	Average	Total Population
United Hospital District Clinic	57	31.6%	21.0%	44.5%	Average	Total Population
Olmsted Medical Center	45	31.1%	19.5%	45.7%	Average	Total Population
St. Luke's Clinics	87	31.0%	22.3%	41.4%	Average	Total Population
Sanford Health - Fargo Region	210	30.5%	24.7%	37.0%	Average	Total Population
Buffalo Clinic, PA	32	28.1%	15.6%	45.4%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics	230	26.5%	21.2%	32.6%	Below	Total Population
CentraCare Health System	104	23.1%	16.0%	32.1%	Below	Total Population
NorthPoint Health & Wellness Center	49	20.4%	11.5%	33.6%	Below	Total Population
Neighborhood Healthsource	30	20.0%	9.5%	37.3%	Average	Total Population
Sanford Health - Sioux Falls Region	42	19.1%	10.0%	33.3%	Below	Total Population
University of Minnesota Physicians	110	17.4%	11.5%	25.6%	Below	Mixed
Integrity Health Network	34	17.1%	8.0%	32.8%	Below	Mixed

Table 19: Controlling High Blood Pressure Rates by Medical Group
(Minnesota Health Care Programs with 60+ patients in sample)

Medical Group Name	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		71.4%	70.3%	72.4%		
HealthPartners Central Minnesota Clinics	69	92.8%	84.2%	96.9%	Above	Sample
Affiliated Community Medical Centers	119	85.6%	78.2%	90.8%	Above	Sample
Essentia Health - East Region	144	84.3%	77.5%	89.4%	Above	Sample
Mayo Clinic Health System - Owatonna	103	83.9%	75.6%	89.7%	Above	Sample
Sanford Health Fargo	181	82.8%	76.6%	87.6%	Above	Sample
Mayo Clinic Health System - Austin	69	82.3%	71.7%	89.5%	Above	Sample
Entira Family Clinics	70	81.4%	70.8%	88.8%	Average	Sample
Allina Health System	660	78.1%	74.8%	81.1%	Above	Sample
Fairview Medical Group	398	77.3%	72.9%	81.1%	Above	Sample
Fairview Mesaba Clinics	79	77.1%	66.7%	85.0%	Average	Sample
Multicare Associates of the Twin Cities	69	76.8%	65.6%	85.2%	Average	Sample
Ridgeview Clinics	70	76.5%	65.4%	84.9%	Average	Sample
Mayo Clinic Health System - Immanuel St. Joseph	78	76.2%	65.7%	84.3%	Average	Sample
Gundersen Clinic	69	75.4%	64.0%	84.0%	Average	Sample
Mayo Clinic	75	75.2%	64.4%	83.6%	Average	Sample
HealthEast	89	75.0%	65.1%	82.8%	Average	Sample
Olmsted Medical Center	75	74.8%	64.0%	83.3%	Average	Sample
Mayo Clinic Health System - Albert Lea	71	74.5%	63.3%	83.2%	Average	Sample
North Clinic	69	74.4%	63.0%	83.3%	Average	Sample
Park Nicollet Health Services	241	73.0%	67.1%	78.2%	Average	Sample
HealthPartners Clinics	451	72.8%	68.5%	76.7%	Average	Sample
Alexandria Clinic	68	71.0%	59.4%	80.5%	Average	Sample
Community University Health Care Center	70	70.8%	59.3%	80.2%	Average	Sample
CentraCare Health System	80	70.6%	59.9%	79.5%	Average	Sample
Essentia Health - Central Region	69	70.4%	58.7%	79.8%	Average	Sample
Sanford Clinic	70	69.4%	57.8%	78.9%	Average	Sample
Mayo Clinic Health System - Fairmont	69	69.4%	57.7%	79.0%	Average	Sample
Unity Family Healthcare - Avon	67	67.7%	55.8%	77.7%	Average	Sample
Mankato Clinic	69	67.6%	55.9%	77.5%	Average	Sample
University of Minnesota Physicians	123	65.8%	57.1%	73.6%	Average	Sample
Gateway Family Health Clinic	69	65.8%	54.1%	75.9%	Average	Sample
North Memorial Clinic	113	65.6%	56.5%	73.7%	Average	Sample
Winona Health	69	65.6%	53.8%	75.7%	Average	Sample
Essentia Health - West Region	70	65.4%	53.7%	75.4%	Average	Sample
Northwest Family Physicians	69	65.2%	53.4%	75.4%	Average	Sample
Lakewood Health Center	68	65.0%	53.1%	75.3%	Average	Sample
United Family Medicine	72	64.9%	53.4%	74.9%	Average	Sample
St. Luke's Clinics	71	63.7%	52.1%	73.9%	Average	Sample
Altru Health System	69	61.7%	49.9%	72.2%	Average	Sample
Wadena Medical Center	69	60.7%	48.9%	71.4%	Below	Sample
Buffalo Clinic	69	60.7%	48.9%	71.3%	Below	Sample
Fairview Red Wing Health Services	99	60.3%	50.5%	69.4%	Below	Sample
Broadway Medical Center	69	59.5%	47.7%	70.3%	Below	Sample
Open Cities Health Center	69	59.0%	47.2%	69.8%	Below	Sample
NorthPoint Health and Wellness Center	80	57.9%	46.9%	68.1%	Below	Sample
Hennepin Faculty Associates & HCMC Clinics	561	56.4%	52.3%	60.5%	Below	Sample
Cedar Riverside People's Center	68	54.7%	42.9%	65.9%	Below	Sample
West Side Community Health Services	69	53.6%	42.0%	64.9%	Below	Sample
Grand Itasca Clinic	118	52.5%	43.6%	61.3%	Below	Sample
Central Lakes Medical Clinic - Integrity	68	50.4%	38.8%	62.0%	Below	Sample
Hutchinson Medical Center	68	48.0%	36.5%	59.6%	Below	Sample
Avera Medical Group	68	46.2%	34.9%	58.0%	Below	Sample
St. Paul Family Medical Center	67	45.1%	33.7%	56.9%	Below	Sample

Table 20: Depression Remission at Six Months by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (● =Psychiatry)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		3.7%	3.4%	4.0%		
Entira Family Clinics - Woodbury	55	20.0%	11.6%	32.4%	Above	Total Population
Mayo Clinic - Northeast	35	17.1%	8.1%	32.7%	Above	Total Population
Entira Family Clinics - Maplewood/Battle Creek	47	17.0%	8.9%	30.1%	Above	Total Population
Boynton Health Service	32	15.6%	6.9%	31.8%	Above	Total Population
Allina Medical Clinic - Annandale	33	15.2%	6.7%	30.9%	Above	Total Population
Allina Medical Clinic - St. Michael	37	13.5%	5.9%	28.0%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Internal Medicine	32	12.5%	5.0%	28.1%	Above	Total Population
Entira Family Clinics - West St. Paul	42	11.9%	5.2%	25.0%	Above	Total Population
Allina Medical Clinic - West Health Campus	36	11.1%	4.4%	25.3%	Above	Total Population
Allina Medical Clinic - Cottage Grove	118	10.2%	5.9%	16.9%	Above	Total Population
Allina Medical Clinic - Ramsey	30	10.0%	3.5%	25.6%	Average	Total Population
Allina Medical Clinic - Blaine	31	9.7%	3.4%	24.9%	Average	Total Population
Fairview Crosstown Clinic	31	9.7%	3.4%	24.9%	Average	Total Population
Aspen Medical Group - Maplewood	100	9.0%	4.8%	16.2%	Above	Total Population
Aspen Medical Group - East Lake Street	45	8.9%	3.5%	20.7%	Average	Total Population
Allina Medical Clinic - Forest Lake	79	8.9%	4.4%	17.2%	Above	Total Population
Allina Medical Clinic - Shoreview	34	8.8%	3.1%	23.0%	Average	Total Population
Mayo Clinic - Baldwin Building, Family Medicine	60	8.3%	3.6%	18.1%	Average	Total Population
Sanford Bemidji 1611 Anne St Clinic	37	8.1%	2.8%	21.3%	Average	Total Population
Allina Medical Clinic - Northfield	136	8.1%	4.6%	13.9%	Above	Total Population
Allina Medical Clinic - Woodbury	125	8.0%	4.4%	14.1%	Above	Total Population
● Mankato Clinic - Department of Psychiatry & Psychology	50	8.0%	3.2%	18.8%	Average	Total Population
Rainy Lake Medical Center	50	8.0%	3.2%	18.8%	Average	Total Population
Allina Medical Clinic - Eagan	63	7.9%	3.4%	17.3%	Average	Total Population
Allina Medical Clinic - Hastings (Nininger)	52	7.7%	3.0%	18.2%	Average	Total Population
Allina Medical Clinic - Faribault	123	7.3%	3.9%	13.3%	Above	Total Population
Stillwater Medical Group - Curve Crest Clinic	41	7.3%	2.5%	19.4%	Average	Total Population
Allina Medical Clinic - Coon Rapids	277	7.2%	4.7%	10.9%	Above	Total Population
HealthPartners - Woodbury	56	7.1%	2.8%	17.0%	Average	Total Population
Fairview Fridley Clinic	87	6.9%	3.2%	14.2%	Average	Total Population
Allina Medical Clinic - West St. Paul	90	6.7%	3.1%	13.8%	Average	Total Population
Aspen Medical Group - Bandana Square	90	6.7%	3.1%	13.8%	Average	Total Population
Allina Medical Clinic - Buffalo	123	6.5%	3.3%	12.3%	Average	Total Population
Essentia Health - St. Mary's-Superior Clinic	93	6.5%	3.0%	13.4%	Average	Total Population
Allina Medical Clinic - Champlin	62	6.5%	2.5%	15.5%	Average	Total Population
Sanford Professional Building	78	6.4%	2.8%	14.1%	Average	Total Population
Mankato Clinic - Wickersham Campus	47	6.4%	2.2%	17.2%	Average	Total Population
HealthPartners - Bloomington	63	6.4%	2.5%	15.2%	Average	Total Population
Allina Medical Clinic - Edina	48	6.3%	2.2%	16.8%	Average	Total Population
Park Nicollet Clinic - Carlson	32	6.3%	1.7%	20.2%	Average	Total Population
Allina Health System - Allina Mental Health Northtown Clinic	50	6.0%	2.1%	16.2%	Average	Total Population
Fairview Oxboro Clinic	52	5.8%	2.0%	15.6%	Average	Total Population
Allina Medical Clinic - The Doctors Uptown	35	5.7%	1.6%	18.6%	Average	Total Population
Entira Family Clinics - Vadnais Heights	35	5.7%	1.6%	18.6%	Average	Total Population
Essentia Health - Hayward Clinic	53	5.7%	1.9%	15.4%	Average	Total Population
St. Cloud Medical Group - NW- Integrity Health	36	5.6%	1.5%	18.1%	Average	Total Population
Fairview Riverside Primary Care Clinic	109	5.5%	2.6%	11.5%	Average	Total Population
Mid Minnesota Family Medicine Center	74	5.4%	2.1%	13.1%	Average	Total Population
Quello Clinic - Burnsville	37	5.4%	1.5%	17.7%	Average	Total Population
Allina Medical Clinic - Farmington	38	5.3%	1.5%	17.3%	Average	Total Population

Table 20: Depression Remission at Six Months by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (●=Psychiatry)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		3.7%	3.4%	4.0%		
Allina Health System - New Ulm Medical Center	59	5.1%	1.7%	13.9%	Average	Total Population
● HealthPartners - Regions BH Woodbury	59	5.1%	1.7%	13.9%	Average	Total Population
Entira Family Clinics - East Side	61	4.9%	1.7%	13.5%	Average	Total Population
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	41	4.9%	1.4%	16.1%	Average	Total Population
● Park Nicollet Clinic - St. Louis Park Psychiatry	396	4.8%	3.1%	7.4%	Average	Total Population
Entira Family Clinics - North St. Paul	63	4.8%	1.6%	13.1%	Average	Total Population
Fairview Uptown Clinic	42	4.8%	1.3%	15.8%	Average	Total Population
Aspen Medical Group - Bloomington	64	4.7%	1.6%	12.9%	Average	Total Population
Mayo Clinic - Kasson	43	4.7%	1.3%	15.5%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	223	4.5%	2.5%	8.1%	Average	Total Population
Fairview Andover Clinic	67	4.5%	1.5%	12.4%	Average	Total Population
Minnesota Mental Health Clinics - Eagan Clinic	224	4.5%	2.4%	8.0%	Average	Total Population
Allina Medical Clinic - Shakopee	69	4.4%	1.5%	12.0%	Average	Total Population
Essentia Health - West Duluth Clinic	69	4.4%	1.5%	12.0%	Average	Total Population
Mankato Clinic - North Mankato	46	4.4%	1.2%	14.5%	Average	Total Population
Fairview Blaine Clinic	47	4.3%	1.2%	14.3%	Average	Total Population
Fairview Elk River Clinic	48	4.2%	1.2%	14.0%	Average	Total Population
Allina Medical Clinic - Woodlake	49	4.1%	1.1%	13.7%	Average	Total Population
● Associated Clinic of Psychology-West St. Paul	51	3.9%	1.1%	13.2%	Average	Total Population
Allina Medical Clinic - Elk River	53	3.8%	1.0%	12.8%	Average	Total Population
● Mayo Clinic - Genesee Building	54	3.7%	1.0%	12.5%	Average	Total Population
Raiter Clinic-Integrity Health	54	3.7%	1.0%	12.5%	Average	Total Population
Mankato Clinic - Main Street	57	3.5%	1.0%	11.9%	Average	Total Population
Fairview Highland Park Clinic	30	3.3%	0.6%	16.7%	Average	Total Population
Affiliated Community Medical Centers - Marshall Clinic	31	3.2%	0.6%	16.2%	Average	Total Population
CentraCare Health Plaza-Family Medicine	31	3.2%	0.6%	16.2%	Average	Total Population
Allina Medical Clinic - Hastings (W First St)	95	3.2%	1.1%	8.9%	Average	Total Population
Grand Itasca Clinic	127	3.2%	1.2%	7.8%	Average	Total Population
HealthPartners - West	32	3.1%	0.6%	15.7%	Average	Total Population
● St. Cloud Hospital - Behavioral Health Clinic	198	3.0%	1.4%	6.5%	Average	Total Population
Northwest Family Physicians - Crystal	67	3.0%	0.8%	10.3%	Average	Total Population
HealthPartners - Inver Grove Heights	34	2.9%	0.5%	14.9%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Downtown	35	2.9%	0.5%	14.5%	Average	Total Population
HealthPartners - Anoka	36	2.8%	0.5%	14.2%	Average	Total Population
Fairview Eagan Clinic	37	2.7%	0.5%	13.8%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	264	2.7%	1.3%	5.4%	Average	Total Population
Allina Medical Clinic - Maple Grove	39	2.6%	0.5%	13.2%	Average	Total Population
Entira Family Clinics - Como/Roseville	39	2.6%	0.5%	13.2%	Average	Total Population
Fairview EdenCenter Clinic	39	2.6%	0.5%	13.2%	Average	Total Population
● HealthPartners - Regions BH Maplewood	39	2.6%	0.5%	13.2%	Average	Total Population
Park Nicollet Clinic - Eagan	39	2.6%	0.5%	13.2%	Average	Total Population
● St. Luke's Outpatient Mental Health	39	2.6%	0.5%	13.2%	Average	Total Population
HealthPartners - Riverside	40	2.5%	0.4%	12.9%	Average	Total Population
Essentia Health St. Joseph's - Brainerd Clinic	81	2.5%	0.7%	8.6%	Average	Total Population
Mayo Clinic Health System Mankato Eastridge	82	2.4%	0.7%	8.5%	Average	Total Population
University of Minnesota Physicians - Phalen Clinic	125	2.4%	0.8%	6.8%	Average	Total Population
HealthPartners - White Bear Lake	42	2.4%	0.4%	12.3%	Average	Total Population
HealthPartners Central Minnesota Clinics	172	2.3%	0.9%	5.8%	Average	Total Population
FirstLight Health System - Mora	43	2.3%	0.4%	12.1%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	43	2.3%	0.4%	12.1%	Average	Total Population

Table 20: Depression Remission at Six Months by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (● = Psychiatry)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		3.7%	3.4%	4.0%		
Fairview Columbia Heights Clinic	89	2.3%	0.6%	7.8%	Average	Total Population
Essentia Health - Duluth Clinic 1st St	91	2.2%	0.6%	7.7%	Average	Total Population
Fairview Lakes Medical Center	91	2.2%	0.6%	7.7%	Average	Total Population
Family Life Center	93	2.2%	0.6%	7.5%	Average	Total Population
HealthPartners - St Paul	98	2.0%	0.6%	7.1%	Average	Total Population
Essentia Health - Duluth Clinic	49	2.0%	0.4%	10.7%	Average	Total Population
○ Hennepin County Mental Health Center	99	2.0%	0.6%	7.1%	Average	Total Population
Fairview Northeast Clinic	55	1.8%	0.3%	9.6%	Average	Total Population
Mayo Clinic - Speciality Practice	57	1.8%	0.3%	9.3%	Average	Total Population
○ Associated Clinic of Psychology-Minneapolis	118	1.7%	0.5%	6.0%	Average	Total Population
○ Hutchinson Area Health Care - Behavioral Health Services	59	1.7%	0.3%	9.0%	Average	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	59	1.7%	0.3%	9.0%	Average	Total Population
HealthPartners - Brooklyn Center	71	1.4%	0.3%	7.6%	Average	Total Population
Fairview Brooklyn Park Clinic	74	1.4%	0.2%	7.3%	Average	Total Population
HealthPartners - Coon Rapids	76	1.3%	0.2%	7.1%	Average	Total Population
Family Practice Medical Center of Willmar	81	1.2%	0.2%	6.7%	Average	Total Population
Mayo Clinic Health System Owatonna	86	1.2%	0.2%	6.3%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	105	1.0%	0.2%	5.2%	Average	Total Population
Affiliated Community Medical Centers - Redwood Falls Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Affiliated Community Medical Centers - Willmar Clinic	118	0.0%	0.0%	3.2%	Below	Total Population
Apple Valley Medical Clinic - Family Practice	40	0.0%	0.0%	8.8%	Average	Total Population
○ Associated Clinic of Psychology-Apple Valley	43	0.0%	0.0%	8.2%	Average	Total Population
Chippewa County Montevideo Hospital & Medical Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Cuyuna Regional Medical Center-Clinic Services	33	0.0%	0.0%	10.4%	Average	Total Population
Duluth Family Practice Center-Integrity Health	30	0.0%	0.0%	11.4%	Average	Total Population
Edina Family Physicians, P.A.	36	0.0%	0.0%	9.6%	Average	Total Population
Essentia Health - Hermantown Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Essentia Health - Lakeside Clinic	45	0.0%	0.0%	7.9%	Average	Total Population
Essentia Health - Spooner Clinic	42	0.0%	0.0%	8.4%	Average	Total Population
○ Fairview CedarRidge Clinic	46	0.0%	0.0%	7.7%	Average	Total Population
Fairview Hiawatha Clinic	34	0.0%	0.0%	10.2%	Average	Total Population
Fairview Milaca Clinic	52	0.0%	0.0%	6.9%	Average	Total Population
Fairview North Branch Clinic	50	0.0%	0.0%	7.1%	Average	Total Population
Fairview Princeton Clinic	71	0.0%	0.0%	5.1%	Average	Total Population
HealthPartners - Apple Valley	43	0.0%	0.0%	8.2%	Average	Total Population
HealthPartners - Como	47	0.0%	0.0%	7.6%	Average	Total Population
HealthPartners - Hlth Ctr for Women	32	0.0%	0.0%	10.7%	Average	Total Population
○ HealthPartners - Inver Grove Behav Hlth	42	0.0%	0.0%	8.4%	Average	Total Population
HealthPartners - Maplewood	38	0.0%	0.0%	9.2%	Average	Total Population
HealthPartners - West Behav Hlth	35	0.0%	0.0%	9.9%	Average	Total Population
○ Hennepin County Medical Center (HCMC) Clinics-Adult Psychiatry	30	0.0%	0.0%	11.4%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics-Brooklyn Center	33	0.0%	0.0%	10.4%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	58	0.0%	0.0%	6.2%	Average	Total Population
Mayo Clinic Health System Austin	52	0.0%	0.0%	6.9%	Average	Total Population
Mayo Clinic Health System Mankato Northridge	30	0.0%	0.0%	11.4%	Average	Total Population
New Hope Crystal Medical Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
NorthPoint Health & Wellness Center	98	0.0%	0.0%	3.8%	Average	Total Population
Park Nicollet Clinic - Brookdale	72	0.0%	0.0%	5.1%	Average	Total Population
Park Nicollet Clinic - Burnsville	57	0.0%	0.0%	6.3%	Average	Total Population
Park Nicollet Clinic - Shakopee	43	0.0%	0.0%	8.2%	Average	Total Population

Table 20: Depression Remission at Six Months by Clinic
 (Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (● =Psychiatry)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		3.7%	3.4%	4.0%		
Sanford Broadway Clinic	38	0.0%	0.0%	9.2%	Average	Total Population
St. Cloud Medical Group - South - Integrity Health	40	0.0%	0.0%	8.8%	Average	Total Population
University of Minnesota Physicians - Bethesda Clinic	96	0.0%	0.0%	3.9%	Average	Total Population
University of Minnesota Physicians - Broadway Family Medicine	56	0.0%	0.0%	6.4%	Average	Total Population
University of Minnesota Physicians - Smiley's Clinic	103	0.0%	0.0%	3.6%	Below	Total Population
Woodland Centers - Willmar	33	0.0%	0.0%	10.4%	Average	Total Population

Table 21.1: Optimal Asthma Care-Children Ages 5-17 by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (■ = Allergy/Immunology, # = Pediatric)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		32.5%	31.6%	33.5%		
■ Drs. Rogers and Nygren	69	87.0%	77.0%	93.0%	Above	Sample
■ Advancements in Allergy and Asthma Care, Ltd.	35	85.7%	70.6%	93.7%	Above	Total Population
Fairview Elk River Clinic	61	72.1%	59.8%	81.8%	Above	Total Population
Fairview Brooklyn Park Clinic	65	67.7%	55.6%	77.8%	Above	Total Population
Fairview Children's Clinic	124	66.9%	58.3%	74.6%	Above	Total Population
Fairview Andover Clinic	38	65.8%	49.9%	78.8%	Above	Total Population
■ Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	41	63.4%	48.1%	76.4%	Above	Total Population
Allina Medical Clinic - Buffalo	38	60.5%	44.7%	74.4%	Above	Total Population
Fairview Lakes Medical Center	54	59.3%	46.0%	71.3%	Above	Total Population
Essentia Health - Duluth Clinic 1st St	92	57.6%	47.4%	67.2%	Above	Total Population
HealthEast - Woodbury	42	57.1%	42.2%	70.9%	Above	Total Population
HealthEast - Maplewood	46	56.5%	42.3%	69.8%	Above	Total Population
Fairview Ridges Clinic	76	54.0%	42.8%	64.7%	Above	Total Population
Mankato Clinic - Wickersham Campus	30	53.3%	36.1%	69.8%	Above	Total Population
Mayo Clinic - Baldwin Building, Pediatrics	98	53.1%	43.3%	62.6%	Above	Total Population
HealthPartners - Elk River	34	52.9%	36.7%	68.6%	Above	Total Population
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	48	52.1%	38.3%	65.5%	Above	Total Population
HealthPartners Central Minnesota Clinics	49	51.0%	37.5%	64.4%	Above	Total Population
HealthPartners - Anoka	58	50.0%	37.5%	62.5%	Above	Total Population
Allina Medical Clinic - Coon Rapids	141	49.7%	41.5%	57.8%	Above	Total Population
HealthPartners - Maplewood	114	48.3%	39.3%	57.3%	Above	Total Population
Fairview Fridley Clinic	54	48.2%	35.4%	61.2%	Above	Total Population
# CentraCare Health Plaza-Women & Children Pediatrics	173	48.0%	40.7%	55.4%	Above	Total Population
Allina Medical Clinic - Cottage Grove	36	47.2%	32.0%	63.0%	Average	Total Population
# Hennepin County Medical Center (HCMC) Clinics - Downtown Ped.	457	46.2%	41.7%	50.8%	Above	Total Population
Aspen Medical Group - Bandana Square	72	45.8%	34.8%	57.3%	Above	Total Population
Aspen Medical Group - East Lake Street	35	45.7%	30.5%	61.8%	Average	Total Population
HealthPartners - Specialty Center 401	38	44.7%	30.2%	60.3%	Average	Total Population
Fairview Oxboro Clinic	70	44.3%	33.3%	55.9%	Above	Total Population
Allina Medical Clinic - Cambridge Medical Center	114	43.9%	35.1%	53.0%	Above	Total Population
■ Children's Respiratory & Critical Care Specialists - Minneapolis	140	42.9%	35.0%	51.1%	Above	Total Population
Mayo Clinic - Speciality Practice	52	42.3%	29.9%	55.8%	Average	Total Population
Allina Medical Clinic - Faribault	36	41.7%	27.1%	57.8%	Average	Total Population
University of Minnesota Physicians - Smiley's Clinic	34	41.2%	26.4%	57.8%	Average	Total Population
HealthPartners - Como	76	40.8%	30.4%	52.0%	Average	Total Population
■ Children's Respiratory & Critical Care Specialists - Minnetonka	48	39.6%	27.0%	53.7%	Average	Total Population
Fairview Columbia Heights Clinic	39	38.5%	24.9%	54.1%	Average	Total Population
# Children's Speciality Clinic - St. Paul	92	38.0%	28.8%	48.3%	Average	Total Population
Affiliated Community Medical Centers - Willmar Clinic	91	36.3%	27.1%	46.5%	Average	Total Population
HealthPartners - Coon Rapids	47	36.2%	24.0%	50.5%	Average	Total Population
HealthPartners - Riverside	110	35.5%	27.1%	44.8%	Average	Total Population
Aspen Medical Group - Bloomington	48	35.4%	23.4%	49.6%	Average	Total Population
HealthPartners - Inver Grove Heights	34	35.3%	21.5%	52.1%	Average	Total Population
Stillwater Medical Group - Curve Crest Clinic	49	32.7%	21.2%	46.6%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	59	32.2%	21.7%	44.9%	Average	Total Population

Table 21.1: Optimal Asthma Care-Children Ages 5-17 by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (■ = Allergy/Immunology, # = Pediatric)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Clinic Average		32.5%	31.6%	33.5%		
HealthEast - Rice Street	35	31.4%	18.6%	48.0%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	46	30.4%	19.1%	44.8%	Average	Total Population
Children's Speciality Clinic - Minneapolis	56	30.4%	19.9%	43.3%	Average	Total Population
HealthPartners - Brooklyn Center	123	29.3%	22.0%	37.8%	Average	Total Population
Glencoe Regional Health Services - Glencoe	42	28.6%	17.2%	43.6%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	43	27.9%	16.8%	42.7%	Average	Total Population
Allina Medical Clinic - Woodbury	40	25.0%	14.2%	40.2%	Average	Total Population
# Children's General Pediatric Clinic - Minneapolis	345	24.6%	20.4%	29.5%	Below	Total Population
Allina Health System - New Ulm Medical Center	57	24.6%	15.2%	37.1%	Average	Total Population
HealthPartners - Midway	150	22.7%	16.7%	30.0%	Below	Total Population
Multicare Associates - Fridley Medical Center	31	22.6%	11.4%	39.8%	Average	Total Population
# Children's General Pediatric Clinic - St. Paul	133	21.1%	15.0%	28.7%	Below	Total Population
■ Children's Respiratory & Critical Care Specialists - St Paul	141	20.6%	14.7%	28.0%	Below	Total Population
■ Allergy and Asthma Care, PA	39	20.5%	10.8%	35.5%	Average	Total Population
Affiliated Community Medical Centers - Marshall Clinic	44	20.5%	11.2%	34.5%	Average	Total Population
Aspen Medical Group - Inver Grove Heights	40	20.0%	10.5%	34.8%	Average	Total Population
HealthPartners - St Paul	73	19.2%	11.8%	29.7%	Below	Total Population
Mayo Clinic Health System Austin	43	18.6%	9.7%	32.6%	Average	Total Population
Mayo Clinic Health System Owatonna	38	18.4%	9.2%	33.4%	Average	Total Population
HealthPartners - Woodbury	64	15.6%	8.7%	26.4%	Below	Total Population
HealthPartners - Bloomington	71	15.5%	8.9%	25.7%	Below	Total Population
Sanford Children's Southwest Clinic	68	14.7%	8.2%	25.0%	Below	Total Population
Mankato Clinic - Main Street	38	13.2%	5.8%	27.3%	Below	Total Population
Native American Community Clinic	38	13.2%	5.8%	27.3%	Below	Sample
NorthPoint Health & Wellness Center	67	10.5%	5.2%	20.0%	Below	Total Population
Allina Medical Clinic - West St. Paul	35	8.6%	3.0%	22.4%	Below	Total Population
Park Nicollet Clinic - Shakopee	38	7.9%	2.7%	20.8%	Below	Total Population
Park Nicollet Clinic - Brookdale	91	7.7%	3.8%	15.0%	Below	Total Population
Park Nicollet Clinic - Burnsville	32	6.3%	1.7%	20.2%	Below	Total Population
Quello Clinic - Burnsville	32	6.3%	1.7%	20.2%	Below	Total Population
University of Minnesota Physicians - Broadway Family Medicine	87	5.8%	2.5%	12.8%	Below	Total Population
Sanford Broadway Clinic	35	5.7%	1.6%	18.6%	Below	Total Population
University of Minnesota Physicians - Bethesda Clinic	37	5.4%	1.5%	17.7%	Below	Total Population
United Family Medicine	43	4.7%	1.3%	15.5%	Below	Total Population
■ Allergy, Asthma & Pulmonary Associates, PA	43	0.0%	0.0%	8.2%	Below	Total Population
Altru Health System - Main	79	0.0%	0.0%	4.6%	Below	Total Population
Avera Worthington Specialty Clinic	30	0.0%	0.0%	11.4%	Below	Total Population
Mayo Clinic Health System Albert Lea	68	0.0%	0.0%	5.4%	Below	Total Population
Mille Lacs Health System - Onamia	34	0.0%	0.0%	10.2%	Below	Total Population
Park Nicollet Clinic - Minneapolis	120	0.0%	0.0%	3.1%	Below	Total Population
Park Nicollet Clinic - Plymouth	30	0.0%	0.0%	11.4%	Below	Total Population
Park Nicollet Clinic - St. Louis Park 3850 Bldg.	67	0.0%	0.0%	5.4%	Below	Total Population
Sanford Bemidji 1611 Anne St Clinic	33	0.0%	0.0%	10.4%	Below	Total Population

Table 21.2: Optimal Asthma Care-Children Ages 5-17 by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (■ = Allergy/Immunology, # = Pediatric)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		32.5%	31.6%	33.5%		
#Pediatric and Adolescent Services	69	87.0%	77.0%	93.0%	Above	Sample
■Advancements in Allergy and Asthma Care	35	85.7%	70.6%	93.7%	Above	Total Population
■Allergy & Asthma Specialists, PA	80	68.8%	57.9%	77.9%	Above	Total Population
Essentia Health - East Region	233	57.5%	51.1%	63.7%	Above	Total Population
Fairview Health Services	967	56.9%	53.7%	60.0%	Above	Total Population
Mayo Clinic	206	52.4%	45.6%	59.1%	Above	Total Population
Partners in Pediatrics	80	51.8%	41.0%	62.4%	Above	Sample
HealthPartners Central Minnesota Clinics	49	51.0%	37.5%	64.4%	Above	Total Population
Entira Family Clinics (formerly Family Health Services MN)	63	49.2%	37.3%	61.2%	Above	Total Population
# South Lake Pediatrics	38	49.1%	34.0%	64.3%	Above	Mixed
CentraCare Health System	211	48.3%	41.7%	55.1%	Above	Total Population
HealthEast Clinics	185	48.1%	41.0%	55.3%	Above	Total Population
Hennepin County Medical Center (HCMC) Clinics	636	42.8%	39.0%	46.6%	Above	Total Population
Allina Medical Clinic	753	42.5%	39.0%	46.1%	Above	Total Population
# Pediatric & Young Adult Medicine	40	40.0%	26.4%	55.4%	Average	Total Population
Aspen Medical Group	240	37.9%	32.0%	44.2%	Average	Total Population
■Children's Respiratory & Critical Care Specialists	329	32.8%	28.0%	38.1%	Average	Total Population
HealthPartners Clinics	1,111	32.1%	29.5%	34.9%	Average	Total Population
Olmsted Medical Center	96	29.2%	21.0%	38.9%	Average	Total Population
Stillwater Medical Group	56	28.6%	18.4%	41.5%	Average	Total Population
Glencoe Regional Health Services	42	28.6%	17.2%	43.6%	Average	Total Population
# Children's Hospitals and Clinics of Minnesota	678	26.4%	23.2%	29.9%	Below	Total Population
Affiliated Community Medical Centers	200	25.0%	19.5%	31.4%	Below	Total Population
Allina Health System	57	24.6%	15.2%	37.1%	Average	Total Population
Mankato Clinic, Ltd.	87	24.1%	16.4%	34.1%	Average	Total Population
Allergy and Asthma Care	39	20.5%	10.8%	35.5%	Average	Total Population
Neighborhood Healthsource	40	17.5%	8.8%	32.0%	Below	Total Population
Mayo Clinic Health System	270	17.4%	13.4%	22.4%	Below	Total Population
Multicare Associates	48	16.7%	8.7%	29.6%	Below	Total Population
University of Minnesota Physicians	195	16.4%	11.9%	22.3%	Below	Total Population
North Memorial	53	13.2%	6.6%	24.8%	Below	Total Population
Native American Community Clinic	38	13.2%	5.8%	27.3%	Below	Sample
Quello Clinic	55	12.7%	6.3%	24.0%	Below	Total Population
NorthPoint Health & Wellness Center	67	10.5%	5.2%	20.0%	Below	Total Population
Sanford Health - Fargo Region	271	5.2%	3.1%	8.5%	Below	Total Population
United Family Medicine	43	4.7%	1.3%	15.5%	Below	Total Population
Sanford Health - Sioux Falls Region	44	4.6%	1.3%	15.1%	Below	Total Population
St. Luke's Clinics	53	3.8%	1.0%	12.8%	Below	Total Population
Southside Community Health Services	30	3.3%	0.6%	16.7%	Below	Total Population
Integrity Health Network	96	3.0%	1.0%	8.7%	Below	Mixed
Essentia Health - West	103	2.9%	1.0%	8.2%	Below	Total Population
Park Nicollet Health Services	551	2.9%	1.8%	4.7%	Below	Total Population
Buffalo Clinic, PA	35	2.9%	0.5%	14.5%	Below	Total Population
■Allergy, Asthma & Pulmonary Associates, PA	43	0.0%	0.0%	8.2%	Below	Total Population
Altru Health System	121	0.0%	0.0%	3.1%	Below	Total Population
Avera Medical Group	43	0.0%	0.0%	8.2%	Below	Total Population
Mille Lacs Health System	34	0.0%	0.0%	10.2%	Below	Total Population

Table 21.3: Optimal Asthma Care-Adults Ages 18-50 by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (■ = Allergy/Immunology, # = Pediatric)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		23.2%	22.4%	24.0%		
■ Advancements in Allergy and Asthma Care, Ltd.	33	72.7%	55.8%	84.9%	Above	Total Population
Fairview RidgeValley Clinic	31	71.0%	53.4%	83.9%	Above	Total Population
Fairview Chisago Lakes Clinic	32	68.8%	51.4%	82.1%	Above	Total Population
Allina Medical Clinic - Eagan	33	66.7%	49.6%	80.3%	Above	Total Population
Fairview North Branch Clinic	40	65.0%	49.5%	77.9%	Above	Total Population
Fairview Uptown Clinic	31	64.5%	47.0%	78.9%	Above	Total Population
Essentia Health - Duluth Clinic 1st St	47	59.6%	45.3%	72.4%	Above	Total Population
Allina Medical Clinic - Buffalo	44	59.1%	44.4%	72.3%	Above	Total Population
Allina Medical Clinic - Ramsey	33	57.6%	40.8%	72.8%	Above	Total Population
Allina Medical Clinic - Faribault	53	56.6%	43.3%	69.1%	Above	Total Population
Fairview Andover Clinic	39	56.4%	41.0%	70.7%	Above	Total Population
Allina Medical Clinic - Coon Rapids	183	53.6%	46.3%	60.6%	Above	Total Population
Fairview Brooklyn Park Clinic	68	52.9%	41.2%	64.3%	Above	Total Population
Essentia Health - St. Mary's-Superior Clinic	37	51.4%	35.9%	66.6%	Above	Total Population
Fairview CedarRidge Clinic	57	50.9%	38.3%	63.4%	Above	Total Population
CentraCare Health Plaza-Family Medicine	34	50.0%	34.1%	65.9%	Above	Total Population
Fairview Princeton Clinic	62	48.4%	36.4%	60.6%	Above	Total Population
Fairview Elk River Clinic	48	47.9%	34.5%	61.7%	Above	Total Population
Allina Medical Clinic - Northfield	40	47.5%	32.9%	62.5%	Above	Total Population
Fairview Northeast Clinic	60	46.7%	34.6%	59.1%	Above	Total Population
Fairview Oxboro Clinic	48	45.8%	32.6%	59.7%	Above	Total Population
CentraCare - Heartland	33	45.5%	29.8%	62.0%	Above	Total Population
Fairview Columbia Heights Clinic	77	44.2%	33.6%	55.3%	Above	Total Population
Fairview Lino Lakes Clinic	39	43.6%	29.3%	59.0%	Above	Total Population
Allina Medical Clinic - Hastings (W First St)	49	42.9%	30.0%	56.7%	Above	Total Population
Aspen Medical Group - Maplewood	73	42.5%	31.8%	53.9%	Above	Total Population
Fairview Ridges Clinic	33	42.4%	27.2%	59.2%	Above	Total Population
Allina Medical Clinic - Cambridge Medical Center	138	41.3%	33.4%	49.7%	Above	Total Population
Fairview Fridley Clinic	86	40.7%	30.9%	51.3%	Above	Total Population
Fairview Eagan Clinic	42	40.5%	27.0%	55.5%	Above	Total Population
■ Minnesota Lung Center/Minnesota Sleep Institute - Minneapolis	47	40.4%	27.6%	54.7%	Above	Total Population
HealthPartners - Coon Rapids	72	40.3%	29.7%	51.8%	Above	Total Population
Allina Medical Clinic - Woodlake	50	40.0%	27.6%	53.8%	Above	Total Population
# Hennepin County Medical Center (HCMC) Clinics - Downtown Ped.	40	40.0%	26.4%	55.4%	Above	Total Population
Aspen Medical Group - Bloomington	35	40.0%	25.6%	56.4%	Above	Total Population
Fairview Hiawatha Clinic	38	39.5%	25.6%	55.3%	Above	Total Population
■ Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	33	39.4%	24.7%	56.3%	Above	Total Population
HealthPartners Central Minnesota Clinics	82	39.0%	29.2%	49.9%	Above	Total Population
Aspen Medical Group - Bandana Square	90	38.9%	29.5%	49.2%	Above	Total Population
Fairview Lakes Medical Center	96	37.5%	28.5%	47.5%	Above	Total Population
Allina Medical Clinic - Nicollet Mall	35	34.3%	20.8%	50.9%	Average	Total Population
Essentia Health - West Duluth Clinic	42	33.3%	21.0%	48.5%	Average	Total Population
Allina Health System - New Ulm Medical Center	33	33.3%	19.8%	50.4%	Average	Total Population
■ HealthPartners - Roseville	30	33.3%	19.2%	51.2%	Average	Total Population
Allina Medical Clinic - Forest Lake	47	31.9%	20.4%	46.2%	Average	Total Population
HealthEast - Rice Street	44	31.8%	20.0%	46.6%	Average	Total Population
Allina Medical Clinic - West St. Paul	57	31.6%	21.0%	44.5%	Average	Total Population
HealthPartners - Anoka	77	31.2%	21.9%	42.2%	Average	Total Population
Affiliated Community Medical Centers - Willmar Clinic	74	29.7%	20.5%	40.9%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	51	29.4%	18.7%	43.0%	Average	Total Population
University of Minnesota Physicians - Smiley's Clinic	48	29.2%	18.2%	43.2%	Average	Total Population

Table 21.3: Optimal Asthma Care-Adults Ages 18-50 by Clinic - continued
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (■ = Allergy/Immunology, # = Pediatric)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		23.2%	22.4%	24.0%		
Allina Medical Clinic - Cottage Grove	52	28.9%	18.3%	42.3%	Average	Total Population
HealthPartners - Riverside	74	28.4%	19.4%	39.5%	Average	Total Population
HealthEast - Oakdale	32	28.1%	15.6%	45.4%	Average	Total Population
Allina Medical Clinic - Woodbury	65	27.7%	18.3%	39.6%	Average	Total Population
Mayo Clinic Health System Austin	40	27.5%	16.1%	42.8%	Average	Total Population
HealthPartners - Specialty Center 401	70	25.7%	16.9%	37.0%	Average	Total Population
Essentia Health St. Joseph's - Brainerd Clinic	35	25.7%	14.2%	42.1%	Average	Total Population
Aspen Medical Group - East Lake Street	43	25.6%	14.9%	40.2%	Average	Total Population
HealthPartners - Maplewood	91	24.2%	16.5%	33.9%	Average	Total Population
HealthPartners - White Bear Lake	30	23.3%	11.8%	40.9%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	40	22.5%	12.3%	37.5%	Average	Total Population
Mid Minnesota Family Medicine Center	40	22.5%	12.3%	37.5%	Average	Total Population
HealthPartners - Bloomington	58	22.4%	13.6%	34.7%	Average	Total Population
HealthEast - Roselawn	41	22.0%	12.0%	36.7%	Average	Total Population
Fairview Red Wing Medical Center	51	21.6%	12.5%	34.6%	Average	Total Population
HealthPartners - Woodbury	45	20.0%	10.9%	33.8%	Average	Total Population
University of Minnesota Physicians - Phalen Clinic	30	20.0%	9.5%	37.3%	Average	Total Population
HealthPartners - Brooklyn Center	61	19.7%	11.6%	31.3%	Average	Total Population
Fairview Riverside Primary Care Clinic	46	19.6%	10.7%	33.2%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	73	17.8%	10.7%	28.1%	Average	Total Population
Northwest Family Physicians - Crystal	40	17.5%	8.8%	32.0%	Average	Total Population
Mayo Clinic Health System Owatonna	47	17.0%	8.9%	30.1%	Average	Total Population
HealthPartners - Inver Grove Heights	31	16.1%	7.1%	32.6%	Average	Total Population
Multicare Associates - Fridley Medical Center	48	12.5%	5.9%	24.7%	Average	Total Population
HealthPartners - Como	50	12.0%	5.6%	23.8%	Average	Total Population
Mayo Clinic - Speciality Practice	35	11.4%	4.5%	26.0%	Average	Total Population
Park Nicollet Clinic - Brookdale	71	11.3%	5.8%	20.7%	Below	Total Population
HealthPartners - Midway	37	10.8%	4.3%	24.7%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Downtown	193	9.3%	6.0%	14.3%	Below	Total Population
Sanford Southpointe Clinic	43	9.3%	3.7%	21.6%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	89	7.9%	3.9%	15.4%	Below	Total Population
HealthPartners - St Paul	106	6.6%	3.2%	13.0%	Below	Total Population
Affiliated Community Medical Centers - Marshall Clinic	46	6.5%	2.2%	17.5%	Below	Total Population
Stillwater Medical Group - Curve Crest Clinic	52	5.8%	2.0%	15.6%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	37	5.4%	1.5%	17.7%	Below	Total Population
■ Park Nicollet Clinic - St. Louis Park Asthma and Allergy	42	4.8%	1.3%	15.8%	Below	Total Population
Park Nicollet Clinic - Burnsville	66	4.6%	1.6%	12.5%	Below	Total Population
NorthPoint Health & Wellness Center	101	4.0%	1.6%	9.7%	Below	Total Population
University of Minnesota Physicians - Bethesda Clinic	53	3.8%	1.0%	12.8%	Below	Total Population
Sanford Thief River Falls Clinic	32	3.1%	0.6%	15.7%	Below	Total Population
Park Nicollet Clinic - Shakopee	42	2.4%	0.4%	12.3%	Below	Total Population
United Family Medicine	100	2.0%	0.6%	7.0%	Below	Total Population
University of Minnesota Physicians - Broadway Family Medicine	158	1.9%	0.7%	5.4%	Below	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	70	1.4%	0.3%	7.7%	Below	Total Population
Chippewa County Montevideo Hospital & Medical Clinic	43	0.0%	0.0%	8.2%	Below	Total Population
Cuyuna Regional Medical Center-Clinic Services	60	0.0%	0.0%	6.0%	Below	Total Population
Mayo Clinic Health System Albert Lea	60	0.0%	0.0%	6.0%	Below	Total Population
Mille Lacs Health System - Onamia	37	0.0%	0.0%	9.4%	Below	Sample
Neighborhood Healthsource - Fremont Clinic	31	0.0%	0.0%	11.0%	Below	Total Population
Park Nicollet Clinic - Minneapolis	56	0.0%	0.0%	6.4%	Below	Total Population
Southside Medical Clinic	38	0.0%	0.0%	9.2%	Below	Total Population

Table 21.4: Optimal Asthma Care-Adults Ages 18-50 by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (■ = Allergy/Immunology, # = Pediatric)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		23.2%	22.4%	24.0%		
■ Advancements in Allergy and Asthma Care	33	72.7%	55.8%	84.9%	Above	Total Population
Fairview Health Services	1,390	44.9%	42.3%	47.5%	Above	Total Population
CentraCare Health System	116	44.8%	36.1%	53.9%	Above	Total Population
Entira Family Clinics (formerly Family Health Services MN)	168	44.1%	36.8%	51.6%	Above	Total Population
Allina Medical Clinic	1,160	43.6%	40.8%	46.5%	Above	Total Population
Essentia Health - East Region	330	43.3%	38.1%	48.7%	Above	Total Population
Allergy & Asthma Specialists, PA	67	41.8%	30.7%	53.7%	Above	Total Population
■ Minnesota Lung Center/Minnesota Sleep Institute	47	40.4%	27.6%	54.7%	Above	Total Population
HealthPartners Central Minnesota Clinics	82	39.0%	29.2%	49.9%	Above	Total Population
Aspen Medical Group	276	37.3%	31.8%	43.2%	Above	Total Population
Allina Health System	38	29.0%	17.0%	44.8%	Average	Total Population
HealthEast Clinics	224	27.2%	21.8%	33.4%	Average	Total Population
Quello Clinic	73	26.0%	17.3%	37.1%	Average	Total Population
Mankato Clinic, Ltd.	66	22.7%	14.3%	34.2%	Average	Total Population
Mid Minnesota Family Medicine Center	40	22.5%	12.3%	37.5%	Average	Total Population
HealthPartners Clinics	1,044	22.0%	19.6%	24.6%	Average	Total Population
Essentia Health - Central Region	65	20.0%	12.1%	31.3%	Average	Total Population
Northwest Family Physicians	54	18.5%	10.4%	30.8%	Average	Total Population
Olmsted Medical Center	112	17.9%	11.9%	26.0%	Average	Total Population
Affiliated Community Medical Centers	216	14.4%	10.3%	19.7%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics	516	14.0%	11.2%	17.2%	Below	Total Population
FirstLight Health System	36	13.9%	6.1%	28.7%	Average	Total Population
North Memorial	184	12.5%	8.5%	18.1%	Below	Total Population
Mayo Clinic Health System	311	11.6%	8.5%	15.6%	Below	Total Population
Multicare Associates	87	11.5%	6.4%	19.9%	Below	Total Population
Integrity Health Network	107	10.1%	5.7%	17.2%	Below	Mixed
University of Minnesota Physicians	317	8.5%	5.9%	12.1%	Below	Total Population
Stillwater Medical Group	61	6.6%	2.6%	15.7%	Below	Total Population
Mayo Clinic	102	5.9%	2.7%	12.2%	Below	Total Population
Sanford Health - Sioux Falls Region	58	5.2%	1.8%	14.1%	Below	Total Population
Essentia Health - West	105	4.8%	2.1%	10.7%	Below	Total Population
NorthPoint Health & Wellness Center	101	4.0%	1.6%	9.7%	Below	Total Population
Park Nicollet Health Services	587	3.9%	2.6%	5.8%	Below	Total Population
St. Luke's Clinics	81	2.5%	0.7%	8.6%	Below	Total Population
Sanford Health - Fargo Region	297	2.0%	0.9%	4.3%	Below	Total Population
United Family Medicine	100	2.0%	0.6%	7.0%	Below	Total Population
Stevens Community Medical Center	40	1.9%	0.3%	12.0%	Below	Sample
Neighborhood Healthsource	61	1.6%	0.3%	8.7%	Below	Total Population
Altru Health System	105	0.0%	0.0%	3.5%	Below	Total Population
Buffalo Clinic, PA	32	0.0%	0.0%	10.7%	Below	Total Population
Chippewa County Montevideo Hospital & Medical Clinic	44	0.0%	0.0%	8.0%	Below	Total Population
Cuyuna Regional Medical Center	60	0.0%	0.0%	6.0%	Below	Total Population
Mille Lacs Health System	37	0.0%	0.0%	9.4%	Below	Sample
North Clinic	41	0.0%	0.0%	8.6%	Below	Total Population
Paynesville Area Health System	33	0.0%	0.0%	10.4%	Below	Total Population
Ridgeview Clinics	44	0.0%	0.0%	8.0%	Below	Total Population
Riverwood Healthcare Center	36	0.0%	0.0%	9.6%	Below	Total Population
Southside Community Health Services	39	0.0%	0.0%	9.0%	Below	Total Population
Winona Health	40	0.0%	0.0%	8.8%	Below	Total Population

Table 22: Appropriate Treatment for Children with Upper Respiratory Infection by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (#=Pediatric, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		89.2%	88.8%	89.7%		
* Express Healthcare	58	100.0%	93.8%	100.0%	Above	Total Population
Familyhealth Medical Clinics	44	100.0%	92.0%	100.0%	Above	Total Population
FirstLight Health System	37	100.0%	90.6%	100.0%	Above	Total Population
# Wayzata Children's Clinic	36	100.0%	90.4%	100.0%	Above	Total Population
Gundersen Clinic	33	100.0%	89.6%	100.0%	Above	Total Population
# Central Pediatrics	61	98.4%	91.3%	99.7%	Above	Total Population
Mayo Clinic Health System - Lake City	46	97.8%	88.7%	99.6%	Average	Total Population
HealthPartners Clinics	1,054	97.6%	96.5%	98.4%	Above	Total Population
CentraCare Health System	291	97.6%	95.1%	98.8%	Above	Total Population
Neighborhood Healthsource	83	97.6%	91.6%	99.3%	Above	Total Population
Cedar Riverside People's Center	33	97.0%	84.7%	99.5%	Average	Total Population
#Dakota Pediatric Clinic	33	97.0%	84.7%	99.5%	Average	Total Population
Allina Health System	1,215	97.0%	95.8%	97.8%	Above	Total Population
West Side Community Health Services	184	96.7%	93.1%	98.5%	Above	Total Population
Stillwater Medical Group	91	96.7%	90.8%	98.9%	Above	Total Population
Hennepin Faculty Associates & HCMC Clinics	603	96.5%	94.7%	97.7%	Above	Total Population
# Southdale Pediatric Associates Ltd	56	96.4%	87.9%	99.0%	Average	Total Population
# Fridley Children's & Teenagers' Medical Center	135	96.3%	91.6%	98.4%	Above	Total Population
* MinuteClinic	108	96.3%	90.9%	98.6%	Above	Total Population
Mayo Clinic Health System - Faribault	103	96.1%	90.4%	98.5%	Above	Total Population
#South Lake Pediatrics	51	96.1%	86.8%	98.9%	Average	Total Population
North Memorial Clinic	274	96.0%	93.0%	97.7%	Above	Total Population
#Priority Pediatrics Urgent Care	49	95.9%	86.3%	98.9%	Average	Total Population
Community University Health Care Center	47	95.7%	85.8%	98.8%	Average	Total Population
Northwest Family Physicians	46	95.7%	85.5%	98.8%	Average	Total Population
Open Cities Health Center	46	95.7%	85.5%	98.8%	Average	Total Population
Lakeview Medical Clinic	45	95.6%	85.2%	98.8%	Average	Total Population
# All About Children Pediatrics	44	95.5%	84.9%	98.7%	Average	Total Population
Mayo Clinic Health System - Franciscan Skemp	44	95.5%	84.9%	98.7%	Average	Total Population
* Hutchinson Medical Center	103	95.2%	89.1%	97.9%	Average	Total Population
HealthEast	265	95.1%	91.8%	97.1%	Above	Total Population
Premier OB/GYN of Minnesota	39	94.9%	83.1%	98.6%	Average	Total Population
#Partners in Pediatrics	174	94.8%	90.5%	97.3%	Above	Total Population
CCMH-Montevideo Clinic	58	94.8%	85.9%	98.2%	Average	Total Population
University of Minnesota Physicians	483	94.8%	92.5%	96.5%	Above	Total Population
NorthPoint Health and Wellness Center	77	94.8%	87.4%	98.0%	Average	Total Population
Mayo Clinic Health System - Albert Lea	173	94.8%	90.4%	97.2%	Above	Total Population
Gateway Family Health Clinic	99	93.9%	87.4%	97.2%	Average	Total Population
* WestHealth Urgent Care	46	93.5%	82.5%	97.8%	Average	Total Population
*Emergency Physicians	249	93.2%	89.3%	95.7%	Above	Total Population
#Children's Hospital Clinics Mpls, St. Paul, Tams, PACE	702	92.7%	90.6%	94.4%	Above	Total Population
United Family Medicine	95	92.6%	85.6%	96.4%	Average	Total Population
Mid Minnesota Family Medicine Center	54	92.6%	82.5%	97.1%	Average	Total Population
North Clinic	53	92.5%	82.1%	97.0%	Average	Total Population
Buffalo Clinic	157	92.4%	87.1%	95.6%	Average	Total Population
Broadway Medical Center	64	92.2%	83.0%	96.6%	Average	Total Population
Fairview Medical Group	1,019	91.9%	90.0%	93.4%	Above	Total Population
Winona Health	165	91.5%	86.3%	94.9%	Average	Total Population

Table 22: Appropriate Treatment for Children with Upper Respiratory Infection by Medical Group- *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (#=Pediatric, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		89.2%	88.8%	89.7%		
* Target Clinic	82	91.5%	83.4%	95.8%	Average	Total Population
Quello Clinic	70	91.4%	82.5%	96.0%	Average	Total Population
Alexandria Clinic	69	91.3%	82.3%	96.0%	Average	Total Population
St. Cloud Medical Group	159	91.2%	85.8%	94.7%	Average	Total Population
Park Nicollet Health Services	1,157	90.8%	89.0%	92.4%	Average	Total Population
Affiliated Community Medical Centers	374	90.4%	87.0%	93.0%	Average	Total Population
Pediatric and Young Adult Medicine	103	90.3%	83.0%	94.6%	Average	Total Population
Family Practice Medical Center Of Willmar	50	90.0%	78.6%	95.7%	Average	Total Population
Grand Itasca Clinic	226	89.8%	85.2%	93.1%	Average	Total Population
Mayo Clinic Health System - Fairmont	66	89.4%	79.7%	94.8%	Average	Total Population
Mille Lacs Clinics	46	89.1%	77.0%	95.3%	Average	Total Population
Mayo Clinic	329	89.1%	85.2%	92.0%	Average	Total Population
Sanford Health Fargo	959	89.0%	86.8%	90.8%	Average	Total Population
Lakewood Health Center	134	88.8%	82.4%	93.1%	Average	Total Population
Lakeview Clinic, Ltd.	78	88.5%	79.5%	93.8%	Average	Total Population
Mayo Clinic Health System - Immanuel St. Joseph	253	88.1%	83.6%	91.6%	Average	Total Population
# Pediatric and Adolescent Services	59	88.1%	77.5%	94.1%	Average	Total Population
Essentia Health - Central Region	345	88.1%	84.3%	91.1%	Average	Total Population
Entira Family Clinics	142	88.0%	81.7%	92.4%	Average	Total Population
* Fairview Express Care	65	87.7%	77.6%	93.6%	Average	Total Population
Renville County Hospital And Clinics	40	87.5%	73.9%	94.5%	Average	Total Population
Mayo Clinic Health System - Austin	191	86.9%	81.4%	91.0%	Average	Total Population
HealthPartners Central Minnesota Clinics	60	86.7%	75.8%	93.1%	Average	Total Population
Olmsted Medical Center	483	86.5%	83.2%	89.3%	Average	Total Population
Multicare Associates of the Twin Cities	118	86.4%	79.1%	91.5%	Average	Total Population
Unity Family Healthcare - Avon	81	86.4%	77.3%	92.2%	Average	Total Population
Mayo Clinic Health System - Owatonna	242	85.1%	80.1%	89.1%	Below	Total Population
Paynesville Area Health Care System	44	84.1%	70.6%	92.1%	Average	Total Population
Apple Valley Medical Clinic	112	83.9%	76.0%	89.6%	Average	Total Population
Southside Community Health Services	31	83.9%	67.4%	92.9%	Average	Total Population
Essentia Health - East Region	557	82.9%	79.6%	85.8%	Below	Total Population
Fairview Red Wing Health Services	110	82.7%	74.6%	88.7%	Below	Total Population
Ridgeview Clinics	34	82.4%	66.5%	91.7%	Average	Total Population
Raiter Clinic, LTD-Integrity	44	81.8%	68.0%	90.5%	Average	Total Population
United Hospital District Clinics	47	80.9%	67.5%	89.6%	Average	Total Population
Southern Metro Medical Clinics	67	80.6%	69.6%	88.3%	Below	Total Population
St. Luke's Clinics	174	80.5%	73.9%	85.7%	Below	Total Population
Mankato Clinic	257	80.2%	74.9%	84.6%	Below	Total Population
Riverview Clinics	66	78.8%	67.5%	86.9%	Below	Total Population
Wadena Medical Center	120	78.3%	70.2%	84.8%	Below	Total Population
Essentia Health - West Region	150	78.0%	70.7%	83.9%	Below	Total Population
Glencoe Regional Health Services	59	78.0%	65.9%	86.7%	Below	Total Population
Essentia Health St. Mary's	112	76.8%	68.2%	83.6%	Below	Total Population
Fairview Mesaba Clinics	102	76.5%	67.4%	83.7%	Below	Total Population
Riverwood Aitkin Clinic	86	75.6%	65.5%	83.4%	Below	Total Population
Central Lakes Medical Clinic - Integrity	76	75.0%	64.2%	83.4%	Below	Total Population
Sanford Clinic	230	74.8%	68.8%	80.0%	Below	Total Population
Lake Region Medical Group PA	68	72.1%	60.4%	81.3%	Below	Total Population
Altru Health System	151	70.9%	63.2%	77.5%	Below	Total Population
First Care Medical Services	60	66.7%	54.1%	77.3%	Below	Total Population
Dulcimer Medical Center	32	62.5%	45.3%	77.1%	Below	Total Population
Glenwood Medical Center	42	59.5%	44.5%	73.0%	Below	Total Population
Avera Medical Group	400	55.5%	50.6%	60.3%	Below	Total Population

Table 23: Appropriate Testing for Children with Pharyngitis by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (#=Pediatric, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		86.8%	86.2%	87.3%		
* Express Healthcare	109	100.0%	96.6%	100.0%	Above	Total Population
# Central Pediatrics	51	100.0%	93.0%	100.0%	Above	Total Population
# Southdale Pediatric Associates Ltd	49	100.0%	92.7%	100.0%	Above	Total Population
* Urgent Care Doctor's Office, PA	45	100.0%	92.1%	100.0%	Above	Total Population
Family Practice Medical Center Of Willmar	42	100.0%	91.6%	100.0%	Above	Total Population
# Priority Pediatrics Urgent Care	41	100.0%	91.4%	100.0%	Above	Total Population
# Wayzata Children's Clinic	39	100.0%	91.0%	100.0%	Above	Total Population
# Pediatric and Young Adult Medicine	128	99.2%	95.7%	99.9%	Above	Total Population
# Fridley Children's & Teenagers' Medical Center	117	99.2%	95.3%	99.9%	Above	Total Population
* MinuteClinic	470	98.9%	97.5%	99.5%	Above	Total Population
* Pediatric and Adolescent Services	563	98.4%	97.0%	99.2%	Above	Total Population
Neighborhood Healthsource	51	98.0%	89.7%	99.7%	Above	Total Population
Multicare Associates of the Twin Cities	145	97.9%	94.1%	99.3%	Above	Total Population
* Target Clinic	261	97.7%	95.1%	98.9%	Above	Total Population
* Fairview Express Care	75	97.3%	90.8%	99.3%	Above	Total Population
* WestHealth Urgent Care	75	97.3%	90.8%	99.3%	Above	Total Population
CCMH-Montevideo Clinic	68	97.1%	89.9%	99.2%	Above	Total Population
# Partners in Pediatrics	147	96.6%	92.3%	98.5%	Above	Total Population
St. Cloud Medical Group	209	96.2%	92.6%	98.1%	Above	Total Population
HealthEast	198	96.0%	92.2%	97.9%	Above	Total Population
Northwest Family Physicians	48	95.8%	86.0%	98.9%	Average	Total Population
Allina Health System	793	95.7%	94.1%	96.9%	Above	Total Population
FirstLight Health System	66	95.5%	87.5%	98.4%	Above	Total Population
# Children's Hospital Clinics Mpls, St. Paul, Tams, PACE	785	95.3%	93.6%	96.6%	Above	Total Population
HealthPartners Clinics	514	95.1%	92.9%	96.7%	Above	Total Population
Fairview Medical Group	689	94.9%	93.0%	96.3%	Above	Total Population
Apple Valley Medical Clinic	117	94.9%	89.3%	97.6%	Above	Total Population
Gateway Family Health Clinic	56	94.6%	85.4%	98.2%	Average	Total Population
Park Nicollet Health Services	782	94.4%	92.5%	95.8%	Above	Total Population
* Chaska Urgent Care	35	94.3%	81.4%	98.4%	Average	Total Population
# South Lake Pediatrics	136	94.1%	88.8%	97.0%	Above	Total Population
Lakewood Health Center	61	93.4%	84.3%	97.4%	Average	Total Population
United Family Medicine	30	93.3%	78.7%	98.2%	Average	Total Population
Mayo Clinic Health System - Albert Lea	155	92.9%	87.7%	96.0%	Above	Total Population
West Side Community Health Services	54	92.6%	82.5%	97.1%	Average	Total Population
Buffalo Clinic	94	92.6%	85.4%	96.4%	Average	Total Population
Mayo Clinic Health System - Franciscan Skemp	38	92.1%	79.2%	97.3%	Average	Total Population
* Emergency Physicians	197	91.9%	87.2%	94.9%	Above	Total Population
University of Minnesota Physicians	147	91.8%	86.3%	95.3%	Average	Total Population
CentraCare Health System	223	91.5%	87.1%	94.5%	Above	Total Population
Mankato Clinic	259	90.7%	86.6%	93.7%	Average	Total Population
Grand Itasca Clinic	199	90.5%	85.6%	93.8%	Average	Total Population
Hutchinson Medical Center	91	90.1%	82.3%	94.7%	Average	Total Population
Winona Health	121	90.1%	83.5%	94.2%	Average	Total Population
Lakeview Clinic, Ltd.	91	89.0%	80.9%	93.9%	Average	Total Population

Table 23: Appropriate Testing for Children with Pharyngitis by Medical Group- *continued*
 (Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (#=Pediatric, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		86.8%	86.2%	87.3%		
Fairview Red Wing Health Services	71	88.7%	79.3%	94.2%	Average	Total Population
Renville County Hospital And Clinics	35	88.6%	74.1%	95.5%	Average	Total Population
St. Luke's Clinics	144	88.2%	81.9%	92.5%	Average	Total Population
North Memorial Clinic	182	87.9%	82.4%	91.9%	Average	Total Population
Olmsted Medical Center	349	87.4%	83.5%	90.5%	Average	Total Population
NorthPoint Health And Wellness Center	38	86.8%	72.7%	94.3%	Average	Total Population
* 7 Day Clinic	51	86.3%	74.3%	93.2%	Average	Total Population
Alexandria Clinic	85	85.9%	76.9%	91.7%	Average	Total Population
Paynesville Area Health Care System	69	85.5%	75.3%	91.9%	Average	Total Population
Lakeview Medical Clinic	41	85.4%	71.6%	93.1%	Average	Total Population
Mid Minnesota Family Medicine Center	39	84.6%	70.3%	92.8%	Average	Total Population
Mille Lacs Clinics	38	84.2%	69.6%	92.6%	Average	Total Population
Hennepin Faculty Associates & HCMC Clinics	195	83.1%	77.2%	87.7%	Average	Total Population
Austin Medical Center - Mayo Health System	108	81.5%	73.1%	87.7%	Average	Total Population
Glencoe Regional Health Services	59	81.4%	69.6%	89.3%	Average	Total Population
Southern Metro Medical Clinics	52	80.8%	68.1%	89.2%	Average	Total Population
Family HealthServices Minnesota	88	80.7%	71.2%	87.6%	Average	Total Population
Sanford Health Fargo	666	79.3%	76.0%	82.2%	Below	Total Population
First Care Medical Services	41	78.1%	63.3%	88.0%	Average	Total Population
Unity Family Healthcare - Avon	103	76.7%	67.7%	83.8%	Below	Total Population
Mayo Clinic	145	76.6%	69.0%	82.7%	Below	Total Population
BMC & St Joseph's Medical Center Clinics	247	76.1%	70.4%	81.0%	Below	Total Population
Affiliated Community Medical Centers	242	76.0%	70.3%	81.0%	Below	Total Population
Immanuel St Joseph - Mayo Health System	207	75.9%	69.6%	81.2%	Below	Total Population
Central Lakes Medical Clinic - Integriy	57	73.7%	61.0%	83.4%	Below	Total Population
Innovis Health	193	73.6%	66.9%	79.3%	Below	Total Population
Quello Clinic	55	72.7%	59.8%	82.7%	Below	Total Population
Sanford Clinic	139	71.2%	63.2%	78.1%	Below	Total Population
St. Mary's Innovis Health	82	69.5%	58.9%	78.4%	Below	Total Population
Lake Region Medical Group PA	52	69.2%	55.7%	80.1%	Below	Total Population
Scenic Rivers Health Services	41	68.3%	53.0%	80.4%	Below	Total Population
St. Mary's/Duluth Clinic Health System	262	67.6%	61.7%	72.9%	Below	Total Population
*Smart Clinic	32	65.6%	48.3%	79.6%	Below	Total Population
Fairmont Medical Center - Mayo Health System	43	65.1%	50.2%	77.6%	Below	Total Population
Wadena Medical Center	110	60.9%	51.6%	69.5%	Below	Total Population
Fairview Mesaba Clinics	100	56.0%	46.2%	65.3%	Below	Total Population
Owatonna Clinic - Mayo Health System	256	55.9%	49.7%	61.8%	Below	Total Population
Avera Medical Group	186	53.8%	46.6%	60.8%	Below	Total Population
Clearwater Health Services	31	51.6%	34.8%	68.0%	Below	Total Population
Riverview Clinics	61	49.2%	37.1%	61.4%	Below	Total Population
Riverwood Aitkin Clinic	43	48.8%	34.6%	63.3%	Below	Total Population
Altru Health System	106	47.2%	37.9%	56.6%	Below	Total Population
Broadway Medical Center	45	37.8%	25.1%	52.4%	Below	Total Population
ELEAH Medical Center	34	26.5%	14.6%	43.1%	Below	Total Population
Thao Xoua Md	33	3.0%	0.5%	15.3%	Below	Total Population

Table 24: Breast Cancer Screening by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (^=OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		64.9%	64.1%	65.7%		
Riverwood Aitkin Clinic	71	84.5%	74.4%	91.1%	Above	Total Population
Family Practice Medical Center Of Willmar	46	80.4%	66.8%	89.4%	Above	Total Population
Mayo Clinic Health System - Immanuel St. Joseph	157	79.6%	72.6%	85.2%	Above	Total Population
Mayo Clinic	222	78.8%	73.0%	83.7%	Above	Total Population
CCMH-Montevideo Clinic	41	78.1%	63.3%	88.0%	Average	Total Population
Scenic Rivers Health Services	50	78.0%	64.8%	87.3%	Average	Total Population
HealthPartners Clinics	734	77.0%	73.8%	79.9%	Above	Total Population
Mayo Clinic Health System - Owatonna	97	75.3%	65.8%	82.8%	Above	Total Population
Quello Clinic	52	75.0%	61.8%	84.8%	Average	Total Population
HealthPartners Central Minnesota Clinics	39	74.4%	58.9%	85.4%	Average	Total Population
Fairview Mesaba Clinics	62	74.2%	62.1%	83.5%	Average	Total Population
Alexandria Clinic	146	74.0%	66.3%	80.4%	Above	Total Population
Sanford Health Fargo	599	71.1%	67.4%	74.6%	Above	Total Population
Mayo Clinic Health System - Albert Lea	91	70.3%	60.3%	78.7%	Average	Total Population
Allina Health System	1,323	69.8%	67.2%	72.2%	Above	Total Population
Lakewood Health Center	76	69.7%	58.7%	78.9%	Average	Total Population
CentraCare Health System	243	69.6%	63.5%	75.0%	Average	Total Population
Park Nicollet Health Services	492	69.3%	65.1%	73.2%	Above	Total Population
North Clinic	52	69.2%	55.7%	80.1%	Average	Total Population
Gundersen Clinic	71	69.0%	57.5%	78.6%	Average	Total Population
Paynesville Area Health Care System	58	69.0%	56.2%	79.4%	Average	Total Population
Northwest Family Physicians	32	68.8%	51.4%	82.1%	Average	Total Population
Affiliated Community Medical Centers	362	67.4%	62.4%	72.0%	Average	Total Population
Essentia Health - East Region	479	67.2%	62.9%	71.3%	Average	Total Population
Fairview Red Wing Health Services	61	67.2%	54.7%	77.7%	Average	Total Population
Grand Itasca Clinic	194	67.0%	60.1%	73.2%	Average	Total Population
Mayo Clinic Health System - Austin	124	66.9%	58.3%	74.6%	Average	Total Population
Fairview Medical Group	891	66.9%	63.7%	69.9%	Average	Total Population
Lake Region Medical Group PA	78	66.7%	55.6%	76.1%	Average	Total Population
Lakeview Clinic, Ltd.	60	66.7%	54.1%	77.3%	Average	Total Population
Glenwood Medical Center	32	65.6%	48.3%	79.6%	Average	Total Population
Hennepin Faculty Associates & HCMC Clinics	256	64.8%	58.8%	70.4%	Average	Total Population
Olmsted Medical Center	207	64.7%	58.0%	70.9%	Average	Total Population
Glencoe Regional Health Services	34	64.7%	47.9%	78.5%	Average	Total Population
Wadena Medical Center	61	63.9%	51.4%	74.8%	Average	Total Population
Sanford Clinic	119	63.9%	54.9%	71.9%	Average	Total Population
Unity Family Healthcare - Avon	88	63.6%	53.2%	72.9%	Average	Total Population
HealthEast	186	63.4%	56.3%	70.0%	Average	Total Population
Central Lakes Medical Clinic - Integrity	83	62.7%	51.9%	72.3%	Average	Total Population

Table 24: Breast Cancer Screening by Medical Group- *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (^=OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		64.9%	64.1%	65.7%		
Altru Health System	95	62.1%	52.1%	71.2%	Average	Total Population
ELEAH Medical Center	39	61.5%	45.9%	75.1%	Average	Total Population
Lakewood Health Center	41	61.0%	45.7%	74.3%	Average	Total Population
Innovis Health	174	60.9%	53.5%	67.9%	Average	Total Population
St. Cloud Medical Group	132	60.6%	52.1%	68.5%	Average	Total Population
Multicare Associates of the Twin Cities	110	60.0%	50.7%	68.7%	Average	Total Population
Broadway Medical Center	100	60.0%	50.2%	69.1%	Average	Total Population
NorthPoint Health and Wellness Center	50	60.0%	46.2%	72.4%	Average	Total Population
Essentia Health - Central Region	186	59.7%	52.5%	66.5%	Average	Total Population
Buffalo Clinic	101	59.4%	49.7%	68.5%	Average	Total Population
Mankato Clinic	113	59.3%	50.1%	67.9%	Average	Total Population
Mid Minnesota Family Medicine Center	41	58.5%	43.4%	72.2%	Average	Total Population
Entira Family Clinics	196	58.2%	51.2%	64.9%	Below	Total Population
Ridgeview Clinics	50	58.0%	44.2%	70.6%	Average	Total Population
Community University Health Care Center	45	57.8%	43.3%	71.0%	Average	Total Population
Stevens Community Medical Center - Morris	33	57.6%	40.8%	72.8%	Average	Total Population
Apple Valley Medical Clinic	32	56.3%	39.3%	71.8%	Average	Total Population
United Family Medicine	70	55.7%	44.1%	66.8%	Average	Total Population
Raiter Clinic, LTD-Integrity	54	55.6%	42.4%	68.0%	Average	Total Population
Essentia Health St. Mary's	76	55.3%	44.1%	65.9%	Average	Total Population
Stillwater Medical Group	60	55.0%	42.5%	66.9%	Average	Total Population
Mayo Clinic Health System - Fairmont	75	54.7%	43.5%	65.4%	Average	Total Population
St. Luke's Clinics	140	53.6%	45.3%	61.6%	Below	Total Population
Mille Lacs Clinics	49	53.1%	39.4%	66.3%	Average	Total Population
Winona Health	120	51.7%	42.8%	60.4%	Below	Total Population
Hutchinson Medical Center	92	51.1%	41.0%	61.1%	Below	Total Population
First Care Medical Services	47	51.1%	37.2%	64.7%	Below	Total Population
North Memorial Clinic	163	50.3%	42.7%	57.9%	Below	Total Population
University of Minnesota Physicians	175	49.7%	42.4%	57.1%	Below	Total Population
FirstLight Health System	77	49.4%	38.5%	60.3%	Below	Total Population
Avera Medical Group	140	49.3%	41.1%	57.5%	Below	Total Population
West Side Community Health Services	59	49.2%	36.8%	61.6%	Below	Total Population
Neighborhood Healthsource	32	46.9%	30.9%	63.6%	Below	Total Population
Open Cities Health Center	56	42.9%	30.8%	55.9%	Below	Total Population
Gateway Family Health Clinic	74	41.9%	31.3%	53.3%	Below	Total Population
Cedar Riverside People's Center	36	19.4%	9.8%	35.0%	Below	Total Population

Table 25: Cervical Cancer Screening by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (^=OB/GYN, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		72.3%	72.0%	72.7%		
^ Advanced Specialty Care For Women	97	97.9%	92.8%	99.4%	Above	Total Population
^ Women's Health Consultants	40	97.5%	87.1%	99.6%	Above	Total Population
^ Partners Ob/Gyn	44	95.5%	84.9%	98.7%	Above	Total Population
^ Obstetrics & Gynecology Associates	176	93.8%	89.2%	96.5%	Above	Total Population
^ Paul Larson Ob/Gyn Clinic	30	93.3%	78.7%	98.2%	Above	Total Population
^ Premier OB/GYN of Minnesota	279	93.2%	89.6%	95.6%	Above	Total Population
^ John A. Haugen Assoc.	41	92.7%	80.6%	97.5%	Above	Total Population
^ Northland Ob-Gyn Assoc.	77	87.0%	77.7%	92.8%	Above	Total Population
Dawson Clinic	38	86.8%	72.7%	94.3%	Above	Total Population
HealthPartners Clinics	5,358	82.2%	81.1%	83.2%	Above	Total Population
^ Planned Parenthood Of Minnesota, North Dakota, South Dakota	139	82.0%	74.8%	87.5%	Above	Total Population
HealthPartners Central Minnesota Clinics	364	81.0%	76.7%	84.7%	Above	Total Population
Mayo Clinic Health System - Faribault	132	78.8%	71.1%	84.9%	Average	Total Population
Family Practice Medical Center Of Willmar	193	78.8%	72.5%	83.9%	Above	Total Population
North Clinic	326	78.2%	73.4%	82.4%	Above	Total Population
CentraCare Health System	1,062	78.2%	75.6%	80.5%	Above	Total Population
France Avenue Family Physicians	32	78.1%	61.3%	89.0%	Average	Total Population
Quello Clinic	296	77.7%	72.6%	82.1%	Above	Total Population
Avera Medical Group	409	77.5%	73.2%	81.3%	Above	Total Population
Fairview Medical Group	4,541	77.5%	76.2%	78.6%	Above	Total Population
Affiliated Community Medical Centers	1,291	77.4%	75.0%	79.6%	Above	Total Population
St. Cloud Medical Group	660	77.0%	73.6%	80.0%	Above	Total Population
Mankato Clinic	717	76.4%	73.2%	79.4%	Above	Total Population
Northside Medical Center	55	76.4%	63.7%	85.6%	Average	Total Population
Grand Itasca Clinic	581	75.9%	72.3%	79.2%	Average	Total Population
Hennepin Faculty Associates & HCMC Clinics	1,416	75.8%	73.5%	77.9%	Above	Total Population
Unity Family Healthcare - Avon	396	75.8%	71.3%	79.7%	Average	Total Population
Lakewood Health Center	373	75.6%	71.0%	79.7%	Average	Total Population
Park Nicollet Health Services	3,310	75.6%	74.1%	77.0%	Above	Total Population
HealthEast	1,293	75.3%	72.8%	77.5%	Above	Total Population
Alexandria Clinic	444	74.8%	70.5%	78.6%	Average	Total Population
CCMH-Montevideo Clinic	122	74.6%	66.2%	81.5%	Average	Total Population
^ Essentia Health - Brainerd Specialty Clinics	123	74.0%	65.6%	80.9%	Average	Total Population
Bloomington Lake Clinic, Ltd.	80	73.8%	63.2%	82.1%	Average	Total Population
University of Minnesota Physicians	1,436	73.7%	71.3%	75.9%	Average	Total Population
Lakeview Medical Clinic	64	73.4%	61.5%	82.7%	Average	Total Population
Glencoe Regional Health Services	185	73.0%	66.2%	78.9%	Average	Total Population
Foley Medical Center	48	72.9%	59.0%	83.4%	Average	Total Population
Sanford Health Fargo	2,178	72.9%	71.0%	74.7%	Average	Total Population
United Family Medicine	507	72.6%	68.5%	76.3%	Average	Total Population
Mayo Clinic Health System - Immanuel St. Joseph	732	72.3%	68.9%	75.4%	Average	Total Population
Mayo Clinic	908	72.3%	69.3%	75.1%	Average	Total Population
Edina Family Physicians	79	72.2%	61.4%	80.8%	Average	Total Population

Table 25: Cervical Cancer Screening by Medical Group- *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (^=OB/GYN, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		72.3%	72.0%	72.7%		
Neighborhood Healthsource	226	72.1%	66.0%	77.6%	Average	Total Population
Allina Health System	7,004	72.0%	70.9%	73.0%	Average	Total Population
Lakeview Clinic, Ltd.	320	71.9%	66.7%	76.5%	Average	Total Population
Entira Family Clinics	818	71.6%	68.5%	74.6%	Average	Total Population
Williams Integracare Clinic	73	71.2%	60.0%	80.4%	Average	Total Population
Sanford Clinic	457	71.1%	66.8%	75.1%	Average	Total Population
Mayo Clinic Health System - Owatonna	531	71.0%	67.0%	74.7%	Average	Total Population
Indian Health Board of Minneapolis	62	71.0%	58.7%	80.8%	Average	Total Population
Southern Metro Medical Clinics	106	70.8%	61.5%	78.6%	Average	Total Population
Kittson Memorial Clinic	41	70.7%	55.5%	82.4%	Average	Total Population
Essentia Health St. Mary's	300	70.7%	65.3%	75.5%	Average	Total Population
Riverwood Aitkin Clinic	242	70.7%	64.6%	76.0%	Average	Total Population
Bridges Medical Center	51	70.6%	57.0%	81.3%	Average	Total Population
Community University Health Care Center	242	70.3%	64.2%	75.7%	Average	Total Population
Fairview Mesaba Clinics	383	70.2%	65.5%	74.6%	Average	Total Population
Stillwater Medical Group	312	70.2%	64.9%	75.0%	Average	Total Population
Winona Health	403	70.0%	65.3%	74.2%	Average	Total Population
Virginia Regional Medical Center	43	69.8%	54.9%	81.4%	Average	Total Population
Scenic Rivers Health Services	125	69.6%	61.1%	77.0%	Average	Total Population
Mayo Clinic Health System - Lake City	108	69.4%	60.2%	77.3%	Average	Total Population
Duluth Family Practice Center- Integrity	134	69.4%	61.2%	76.6%	Average	Total Population
North Memorial Clinic	784	69.3%	65.9%	72.4%	Average	Total Population
Essentia Health- West Region	579	69.3%	65.4%	72.9%	Average	Total Population
Familyhealth Medical Clinics	78	69.2%	58.3%	78.4%	Average	Total Population
Mayo Clinic Health System - Austin	459	69.1%	64.7%	73.1%	Average	Total Population
Essentia Health - East Region	2,105	68.9%	66.9%	70.9%	Below	Total Population
Buffalo Clinic	559	68.9%	64.9%	72.6%	Average	Total Population
Mid Minnesota Family Medicine Center	207	68.6%	62.0%	74.5%	Average	Total Population
Gundersen Clinic	194	68.6%	61.7%	74.7%	Average	Total Population
NorthPoint Health and Wellness Center	474	68.4%	64.0%	72.4%	Average	Total Population
Parkview Medical Clinic	41	68.3%	53.0%	80.4%	Average	Total Population
Apple Valley Medical Clinic	198	68.2%	61.4%	74.3%	Average	Total Population
West Side Community Health Services	460	68.0%	63.7%	72.1%	Below	Total Population
FirstLight Health System	306	68.0%	62.6%	73.0%	Average	Total Population
Paynesville Area Health Care System	190	67.9%	61.0%	74.1%	Average	Total Population
ELEAH Medical Center	90	67.8%	57.6%	76.5%	Average	Total Population
Wadena Medical Center	289	67.1%	61.5%	72.3%	Below	Total Population
Dulcimer Medical Center	76	67.1%	55.9%	76.6%	Average	Total Population
Multicare Associates of the Twin Cities	495	66.7%	62.4%	70.7%	Below	Total Population
Northwest Family Physicians	204	66.7%	59.9%	72.8%	Average	Total Population
First Care Medical Services	167	66.5%	59.0%	73.2%	Average	Total Population
Broadway Medical Center	296	66.2%	60.7%	71.4%	Below	Total Population
Fairview Red Wing Health Services	296	66.2%	60.7%	71.4%	Below	Total Population

Table 25: Cervical Cancer Screening by Medical Group- *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (^=OB/GYN, *=Urgent Care)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		72.3%	72.0%	72.7%		
Mayo Clinic Health System - Franciscan Skemp	106	66.0%	56.6%	74.4%	Average	Total Population
*Fairview Express Care	53	66.0%	52.6%	77.3%	Average	Total Population
Lake View Clinic - Two Harbors	70	65.7%	54.0%	75.8%	Average	Total Population
*WestHealth Urgent Care	81	65.4%	54.6%	74.9%	Average	Total Population
Olmsted Medical Center	997	65.3%	62.3%	68.2%	Below	Total Population
Open Cities Health Center	328	65.2%	59.9%	70.2%	Below	Total Population
*MinuteClinic	164	65.2%	57.7%	72.1%	Below	Total Population
Altru Health System	437	65.2%	60.6%	69.5%	Below	Total Population
Sibley Medical Center	40	65.0%	49.5%	77.9%	Average	Total Population
Lakewood Health Center	85	64.7%	54.1%	74.0%	Average	Total Population
Renville County Hospital And Clinics	85	64.7%	54.1%	74.0%	Average	Total Population
Lake Region Medical Group PA	220	64.6%	58.0%	70.6%	Below	Total Population
Raiter Clinic, LTD-Integrity	205	64.4%	57.6%	70.6%	Below	Total Population
New Hope Crystal Medical Clinic	67	64.2%	52.2%	74.6%	Average	Total Population
Central Lakes Medical Clinic - Integrity	292	64.0%	58.4%	69.3%	Below	Total Population
Hutchinson Medical Center	303	64.0%	58.5%	69.2%	Below	Total Population
Johnson Street Clinic	47	63.8%	49.5%	76.0%	Average	Total Population
*Smart Clinic	38	63.2%	47.3%	76.6%	Average	Total Population
St. Luke's Clinics	648	62.4%	58.6%	66.0%	Below	Total Population
Mayo Clinic Health System - Fairmont	233	62.2%	55.9%	68.2%	Below	Total Population
Sawtooth Mountain Clinic	71	62.0%	50.3%	72.4%	Average	Total Population
Mille Lacs Clinics	146	61.6%	53.6%	69.1%	Below	Total Population
Catalyst Medical Clinic	33	60.6%	43.7%	75.3%	Average	Total Population
Ridgeview Clinics	167	60.5%	52.9%	67.6%	Below	Total Population
Southside Community Health Services	83	60.2%	49.5%	70.1%	Below	Total Population
Mayo Clinic Health System - Albert Lea	472	60.2%	55.7%	64.5%	Below	Total Population
Clearwater Health Services	98	59.2%	49.3%	68.4%	Below	Total Population
*Express Healthcare	63	58.7%	46.4%	70.0%	Below	Total Population
Glenwood Medical Center	87	58.6%	48.1%	68.4%	Below	Total Population
Gateway Family Health Clinic	304	58.2%	52.6%	63.6%	Below	Total Population
Stevens Community Medical Center - Morris	117	58.1%	49.1%	66.7%	Below	Total Population
Cedar Riverside People's Center	196	57.7%	50.7%	64.4%	Below	Total Population
St. Paul Family Medical Center	61	57.4%	44.9%	69.0%	Below	Total Population
*Target Clinic	102	56.9%	47.2%	66.1%	Below	Total Population
Mayo Clinic Health System - Cannon Falls	33	54.6%	38.0%	70.2%	Below	Total Population
United Hospital District Clinics	116	54.3%	45.3%	63.1%	Below	Total Population
Riverview Clinics	118	51.7%	42.8%	60.5%	Below	Total Population
*7 Day Clinic	72	51.4%	40.1%	62.6%	Below	Total Population
Murray County Clinic	47	51.1%	37.2%	64.7%	Below	Total Population
Life Medical	59	49.2%	36.8%	61.6%	Below	Total Population
Essentia Health - Central Region	659	46.9%	43.1%	50.7%	Below	Total Population
Thao Xoua Md	36	41.7%	27.1%	57.8%	Below	Total Population
Advanced Medical Clinic	57	36.8%	25.5%	49.8%	Below	Total Population
Dr. Bobby K. Yang Medical Clinic	41	36.6%	23.6%	51.9%	Below	Total Population

Table 26.1: Colorectal Cancer Screening by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
HealthEast Roseville Clinic	107	88.8%	81.4%	93.5%	Above	Total Population
Mayo Clinic Health System Faribault Hwy 60	105	82.9%	74.5%	88.9%	Above	Total Population
Mayo Clinic - Northwest	38	79.0%	63.7%	88.9%	Above	Total Population
Sanford Black Duck Clinic	44	77.3%	63.0%	87.2%	Above	Total Population
Fairview Bass Lake Clinic	30	76.7%	59.1%	88.2%	Above	Total Population
CentraCare River Campus-Internal Medicine	112	75.9%	67.2%	82.9%	Above	Total Population
Fairview Oxboro Clinic	184	75.5%	68.9%	81.2%	Above	Total Population
Allina Health System - Abbott NW General Med. Assoc. - Edina	72	75.0%	63.9%	83.6%	Above	Total Population
Mayo Clinic - Baldwin Building, Family Medicine	94	73.4%	63.7%	81.3%	Above	Total Population
Olmsted Medical Center - Byron Clinic	36	72.2%	56.0%	84.2%	Above	Total Population
Fairview Hiawatha Clinic	95	71.6%	61.8%	79.7%	Above	Total Population
Affiliated Community Medical Centers - New London Clinic	49	71.4%	57.6%	82.2%	Above	Total Population
HealthPartners - White Bear Lake	107	70.1%	60.9%	78.0%	Above	Total Population
CentraCare - Heartland	145	69.7%	61.7%	76.6%	Above	Total Population
^ CentraCare Health Plaza-Women & Children OB/GYN	36	69.4%	53.1%	82.0%	Above	Total Population
^ HealthPartners - Hlth Ctr for Women	87	69.0%	58.6%	77.7%	Above	Total Population
Sanford Broadway Internal Medicine Clinic	58	69.0%	56.2%	79.4%	Above	Total Population
Fairview Elk River Clinic	82	68.3%	57.6%	77.4%	Above	Total Population
CentraCare Health Plaza-Internal Medicine	50	68.0%	54.2%	79.2%	Above	Total Population
North Memorial Clinic - Maple Grove	84	67.9%	57.3%	76.9%	Above	Total Population
Fairview Highland Park Clinic	56	67.9%	54.8%	78.6%	Above	Total Population
Aspen Medical Group - Highland	43	67.4%	52.5%	79.5%	Above	Total Population
Mayo Clinic Health System Mankato Eastridge	131	67.2%	58.8%	74.6%	Above	Total Population
Sanford South Moorhead Internal Medicine	66	66.7%	54.7%	76.8%	Above	Total Population
Mankato Clinic - North Mankato	60	66.7%	54.1%	77.3%	Above	Total Population
Allina Medical Clinic - Crossroads Chaska	57	66.7%	53.7%	77.5%	Above	Total Population
CentraCare Clinic-Sauk Centre	71	66.2%	54.6%	76.1%	Above	Total Population
HealthEast - Maplewood	50	66.0%	52.2%	77.6%	Above	Total Population
Quello Clinic - Edina	91	65.9%	55.7%	74.9%	Above	Total Population
CentraCare - St. Joseph	38	65.8%	49.9%	78.8%	Above	Total Population
Aspen Medical Group - White Bear Lake	32	65.6%	48.3%	79.6%	Average	Total Population
CentraCare - Becker	32	65.6%	48.3%	79.6%	Average	Total Population
Quello Clinic - Lakeville	55	65.5%	52.3%	76.6%	Above	Total Population
Mayo Clinic - Northeast	52	65.4%	51.8%	76.9%	Above	Total Population
Fairview Brooklyn Park Clinic	263	64.6%	58.7%	70.2%	Above	Total Population
HealthEast - Oakdale	65	64.6%	52.5%	75.1%	Above	Total Population
HealthPartners - Adult & Seniors Health	421	64.6%	59.9%	69.0%	Above	Total Population
HealthEast - Downtown St. Paul	96	64.6%	54.6%	73.4%	Above	Total Population
Allina Medical Clinic - Buffalo	135	64.4%	56.1%	72.0%	Above	Total Population
HealthEast - Cottage Grove	45	64.4%	49.8%	76.8%	Above	Total Population
North Memorial Clinic - Brooklyn Center Physicians	115	64.4%	55.3%	72.5%	Above	Total Population
Fairview CedarRidge Clinic	129	64.3%	55.8%	72.1%	Above	Total Population
Sanford Detroit Lakes Clinic	171	64.3%	56.9%	71.1%	Above	Total Population
Fairview Fridley Clinic	42	64.3%	49.2%	77.0%	Average	Total Population
Fairview Crosstown Clinic	109	64.2%	54.9%	72.6%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Internal Medicine	271	64.2%	58.3%	69.7%	Above	Total Population
HealthPartners - Ctr for Internatl Hlth	401	64.1%	59.3%	68.6%	Above	Total Population
Allina Medical Clinic - Elk River	75	64.0%	52.7%	73.9%	Above	Total Population
North Memorial - Silver Lake Clinic Blaine	36	63.9%	47.6%	77.5%	Average	Total Population
HealthEast - Woodbury	80	63.8%	52.8%	73.4%	Above	Total Population

Table 26.1: Colorectal Cancer Screening by Clinic - *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
HealthEast - Rice Street	278	63.7%	57.9%	69.1%	Above	Total Population
HealthPartners - Arden Hills	96	63.5%	53.6%	72.5%	Above	Total Population
HealthPartners - Maplewood	237	63.3%	57.0%	69.2%	Above	Total Population
HealthPartners - Coon Rapids	263	63.1%	57.1%	68.7%	Above	Total Population
Sanford Thief River Falls Clinic	156	62.8%	55.0%	70.0%	Above	Total Population
Allina Medical Clinic - The Doctors Uptown	86	62.8%	52.2%	72.3%	Above	Total Population
Entira Family Clinics - Woodbury	67	62.7%	50.7%	73.3%	Above	Total Population
Fairview Northeast Clinic	120	62.5%	53.6%	70.7%	Above	Total Population
Mayo Clinic Health System Mankato Specialty Clinic	88	62.5%	52.1%	71.9%	Above	Total Population
Northwest Family Physicians - Rogers	40	62.5%	47.0%	75.8%	Average	Total Population
Fairview Uptown Clinic	77	62.3%	51.2%	72.3%	Above	Total Population
Fairview Chisago Lakes Clinic	98	62.2%	52.4%	71.2%	Above	Total Population
Allina Medical Clinic - United Medical Specialties	66	62.1%	50.1%	72.9%	Above	Total Population
Essentia Health - Duluth Clinic 1st St	335	62.1%	56.8%	67.1%	Above	Total Population
Lakewood Health System - Staples Clinic	71	62.0%	50.3%	72.4%	Above	Total Population
HealthPartners Central Minnesota Clinics	239	61.9%	55.6%	67.9%	Above	Total Population
Sanford Bemidji Main Clinic Internal Medicine	78	61.5%	50.4%	71.6%	Above	Total Population
Affiliated Community Medical Centers - Willmar Clinic	374	61.5%	56.5%	66.3%	Above	Total Population
HealthEast - Grand Avenue	101	61.4%	51.6%	70.3%	Above	Total Population
Sanford Health Broadway Clinic - Alexandria	190	61.1%	54.0%	67.7%	Above	Total Population
Fairview Columbia Heights Clinic	220	60.9%	54.3%	67.1%	Above	Total Population
Mayo Clinic - Kasson	115	60.9%	51.7%	69.3%	Above	Total Population
HealthPartners - West	140	60.7%	52.4%	68.4%	Above	Total Population
Allina Medical Clinic - Shoreview	99	60.6%	50.8%	69.7%	Above	Total Population
Fairview Pine City Clinic	33	60.6%	43.7%	75.3%	Average	Total Population
Park Nicollet Clinic - Golden Valley	76	60.5%	49.3%	70.8%	Average	Total Population
HealthEast - Midway	81	60.5%	49.6%	70.4%	Average	Total Population
Allina Medical Clinic - Isles	106	60.4%	50.9%	69.2%	Above	Total Population
HealthPartners - Woodbury	205	60.0%	53.2%	66.5%	Above	Total Population
North Memorial Clinic - Minnetonka Physicians	80	60.0%	49.1%	70.0%	Average	Total Population
HealthPartners - Brooklyn Center	342	59.9%	54.7%	65.0%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	318	59.8%	54.3%	65.0%	Above	Total Population
Mankato Clinic - Main Street	216	59.7%	53.1%	66.0%	Above	Total Population
CentraCare Health Plaza-Family Medicine	119	59.7%	50.7%	68.0%	Above	Total Population
Entira Family Clinics - Highland	74	59.5%	48.1%	69.9%	Average	Total Population
Edina Sports Health & Wellness	37	59.5%	43.5%	73.7%	Average	Total Population
Mayo Clinic Health System Wabasha	81	59.3%	48.4%	69.3%	Average	Total Population
Park Nicollet Clinic - Bloomington	98	59.2%	49.3%	68.4%	Average	Total Population
Quello Clinic - Savage	44	59.1%	44.4%	72.3%	Average	Total Population
Sanford Perham Clinic	78	59.0%	47.9%	69.2%	Average	Total Population
Sanford Southpointe Internal Medicine	39	59.0%	43.4%	72.9%	Average	Total Population
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	542	58.9%	54.7%	62.9%	Above	Total Population
Olmsted Medical Center - Stewartville Clinic	34	58.8%	42.2%	73.6%	Average	Total Population
Fairview Lakes Medical Center	165	58.8%	51.2%	66.0%	Above	Total Population
Fairview Red Wing Medical Center	109	58.7%	49.3%	67.5%	Average	Total Population
CentraCare Health System Long Prairie	92	58.7%	48.5%	68.2%	Average	Total Population
Park Nicollet Clinic - Wayzata	92	58.7%	48.5%	68.2%	Average	Total Population
Fairview Zimmerman Clinic	46	58.7%	44.3%	71.7%	Average	Total Population
Fairview Rush City Clinic	87	58.6%	48.1%	68.4%	Average	Total Population
Fairview Maple Grove Medical Center	58	58.6%	45.8%	70.4%	Average	Total Population

Table 26.1: Colorectal Cancer Screening by Clinic - *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
Fairview Princeton Clinic	140	58.6%	50.3%	66.4%	Above	Total Population
Park Nicollet Clinic - Plymouth	101	58.4%	48.7%	67.6%	Average	Total Population
Entira Family Clinics - White Bear Lake/Banning Ave	67	58.2%	46.3%	69.3%	Average	Total Population
North Memorial Clinic - Camden Physicians, Mpls	55	58.2%	45.0%	70.3%	Average	Total Population
Mayo Clinic Health System Owatonna	459	58.2%	53.6%	62.6%	Above	Total Population
Park Nicollet Clinic - Maple Grove	129	58.1%	49.5%	66.3%	Average	Total Population
Mayo Clinic Health System Le Sueur	50	58.0%	44.2%	70.6%	Average	Total Population
CentraCare Health System Melrose	69	58.0%	46.2%	68.9%	Average	Total Population
HealthPartners - Elk River	107	57.9%	48.5%	66.9%	Average	Total Population
Sanford Wahpeton Clinic	64	57.8%	45.6%	69.1%	Average	Total Population
Burnsville Family Physicians	45	57.8%	43.3%	71.0%	Average	Total Population
Northwest Family Physicians - Plymouth	52	57.7%	44.2%	70.1%	Average	Total Population
Park Nicollet Clinic - Carlson	137	57.7%	49.3%	65.6%	Average	Total Population
Entira Family Clinics - Como/Roseville (	80	57.5%	46.6%	67.7%	Average	Total Population
Park Nicollet Clinic - Shorewood	54	57.4%	44.2%	69.7%	Average	Total Population
Allina Medical Clinic - Woodlake	184	57.1%	49.8%	64.0%	Above	Total Population
Essentia Health - West Duluth Clinic	214	57.0%	50.3%	63.5%	Above	Total Population
Sanford Bemidji 1611 Anne St Clinic	93	57.0%	46.9%	66.6%	Average	Total Population
Fairview EdenCenter Clinic	118	56.8%	47.8%	65.4%	Average	Total Population
Allina Medical Clinic - Ramsey	104	56.7%	47.1%	65.8%	Average	Total Population
Fairview Hugo Clinic	30	56.7%	39.2%	72.6%	Average	Total Population
Allina Medical Clinic - Woodbury	106	56.6%	47.1%	65.6%	Average	Total Population
HealthPartners - Inver Grove Heights	92	56.5%	46.3%	66.2%	Average	Total Population
Olmsted Medical Center - Rochester Northwest	39	56.4%	41.0%	70.7%	Average	Total Population
Mayo Clinic Health System St. Peter	73	56.2%	44.8%	67.0%	Average	Total Population
Sanford Luverne Clinic	73	56.2%	44.8%	67.0%	Average	Total Population
Fairview Andover Clinic	82	56.1%	45.3%	66.3%	Average	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (East)	107	56.1%	46.6%	65.1%	Average	Total Population
HealthPartners - Apple Valley	118	55.9%	46.9%	64.6%	Average	Total Population
Essentia Health - St. Mary's-Superior Clinic	190	55.8%	48.7%	62.7%	Average	Total Population
Mayo Clinic Health System Cannon Falls	54	55.6%	42.4%	68.0%	Average	Total Population
Entira Family Clinics - White Bear Lake-Bellaire Avenue	36	55.6%	39.6%	70.5%	Average	Total Population
Affiliated Community Medical Centers - Marshall Clinic	173	55.5%	48.1%	62.7%	Average	Total Population
Quello Clinic - Burnsville	94	55.3%	45.3%	65.0%	Average	Total Population
Essentia Health - Hayward Clinic	123	55.3%	46.5%	63.8%	Average	Total Population
Allina Medical Clinic - St. Michael	38	55.3%	39.7%	69.9%	Average	Total Population
Allina Medical Clinic - Maple Grove	58	55.2%	42.5%	67.3%	Average	Total Population
Fairview Ridges Clinic	138	55.1%	46.8%	63.1%	Average	Total Population
North Memorial Clinic - Camden Physicians, Plymouth	69	55.1%	43.4%	66.2%	Average	Total Population
Paynesville Medical Clinic	89	55.1%	44.7%	65.0%	Average	Total Population
Park Nicollet Clinic - Prairie Center	80	55.0%	44.1%	65.4%	Average	Total Population
Essentia Health - Ely Clinic	121	54.6%	45.7%	63.1%	Average	Total Population
Essentia Health - Deer River Clinic	123	54.5%	45.7%	63.0%	Average	Total Population
HealthPartners - Roseville	68	54.4%	42.7%	65.7%	Average	Total Population
Aspen Medical Group - Bandana Square	241	54.4%	48.1%	60.5%	Average	Total Population
Allina Medical Clinic - Crossroads Shakopee Dean Lakes	46	54.4%	40.2%	67.9%	Average	Total Population
Sanford Bemidji Main Clinic Family Medicine	105	54.3%	44.8%	63.5%	Average	Total Population
Entira Family Clinics - Inver Grove Heights	70	54.3%	42.7%	65.4%	Average	Total Population
Paynesville Richmond Medical Clinic	37	54.1%	38.4%	69.0%	Average	Total Population
Aspen Medical Group - Hopkins	50	54.0%	40.4%	67.0%	Average	Total Population

Table 26.1: Colorectal Cancer Screening by Clinic - *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
Mankato Clinic - Wickersham Campus	63	54.0%	41.8%	65.7%	Average	Total Population
Allina Medical Clinic - Faribault	219	53.9%	47.3%	60.4%	Average	Total Population
Winona Health - Winona Clinic	143	53.9%	45.7%	61.8%	Average	Total Population
Allina Medical Clinic - Hastings (Nininger)	78	53.9%	42.9%	64.5%	Average	Total Population
Mayo Clinic Health System Springfield	65	53.9%	41.9%	65.4%	Average	Total Population
HealthPartners - Midway	253	53.8%	47.6%	59.8%	Average	Total Population
Mayo Clinic Health System Austin	374	53.7%	48.7%	58.7%	Average	Total Population
Affiliated Community Medical Centers - Benson Clinic	108	53.7%	44.3%	62.8%	Average	Total Population
HealthEast - Roselawn	272	53.3%	47.4%	59.2%	Average	Total Population
HealthPartners - Andover	94	53.2%	43.2%	63.0%	Average	Total Population
Allina Medical Clinic - Cottage Grove	153	52.9%	45.1%	60.7%	Average	Total Population
Allina Medical Clinic - Eagan	114	52.6%	43.5%	61.6%	Average	Total Population
Allina Medical Clinic - Coon Rapids	605	52.6%	48.6%	56.5%	Average	Total Population
Park Nicollet Clinic - Brookdale	337	52.5%	47.2%	57.8%	Average	Total Population
Fairview Milaca Clinic	80	52.5%	41.7%	63.1%	Average	Total Population
Mayo Clinic Health System- Franciscan Healthcare in Caledonia	42	52.4%	37.7%	66.6%	Average	Total Population
HealthPartners - Riverside	344	52.3%	47.1%	57.6%	Average	Total Population
Allina Medical Clinic - West Health Campus	132	52.3%	43.8%	60.6%	Average	Total Population
Mayo Clinic Health System St. James	90	52.2%	42.0%	62.2%	Average	Total Population
Allina Medical Clinic - Nicollet Mall	159	52.2%	44.5%	59.8%	Average	Total Population
Aspen Medical Group - East Lake Street	127	52.0%	43.4%	60.5%	Average	Total Population
Park Nicollet Clinic - Burnsville	305	51.8%	46.2%	57.4%	Average	Total Population
North Memorial Clinic - Golden Valley Physicians	114	51.8%	42.7%	60.7%	Average	Total Population
Allina Health System - New Ulm Medical Center	259	51.7%	45.7%	57.8%	Average	Total Population
HealthPartners - Anoka	153	51.6%	43.8%	59.4%	Average	Total Population
HCMC Clinics - Hennepin Center for Senior Care	62	51.6%	39.5%	63.6%	Average	Total Population
HealthPartners - Bloomington	260	51.5%	45.5%	57.6%	Average	Total Population
FirstLight Health System - Mora	227	51.5%	45.1%	58.0%	Average	Total Population
HealthPartners - St Paul	375	51.5%	46.4%	56.5%	Average	Total Population
HealthPartners - Lino Lakes	35	51.4%	35.6%	67.0%	Average	Total Population
Park Nicollet Clinic - Eagan	111	51.4%	42.2%	60.5%	Average	Total Population
Allina Medical Clinic - West St. Paul	162	51.2%	43.6%	58.8%	Average	Total Population
University of Minnesota Physicians - Primary Care Center	250	51.2%	45.0%	57.3%	Average	Total Population
Park Nicollet Clinic - Chanhassen	139	51.1%	42.9%	59.3%	Average	Total Population
Essentia Health - Lakewalk Clinic	49	51.0%	37.5%	64.4%	Average	Total Population
HealthPartners - Como	224	50.9%	44.4%	57.4%	Average	Total Population
Fairview North Branch Clinic	61	50.8%	38.6%	62.9%	Average	Total Population
Essentia Health - Ashland Clinic	160	50.6%	43.0%	58.3%	Average	Total Population
Entira Family Clinics - Maplewood/Battle Creek	85	50.6%	40.2%	61.0%	Average	Total Population
Allina Medical Clinic - Champlin	129	50.4%	41.9%	58.9%	Average	Total Population
Northwest Family Physicians - Crystal	149	50.3%	42.4%	58.3%	Average	Total Population
France Avenue Family Physicians	90	50.0%	39.9%	60.1%	Average	Total Population
Allina Medical Clinic - Blaine	66	50.0%	38.3%	61.7%	Average	Total Population
HCMC Clinics - Internal Medicine Clinic at Parkside	177	49.7%	42.4%	57.0%	Average	Total Population
Gateway Family Health Clinic - Moose Lake	163	49.7%	42.1%	57.3%	Average	Total Population
Essentia Health - Lakeside Clinic	97	49.5%	39.8%	59.3%	Average	Total Population
Family Medical Center	282	49.3%	43.5%	55.1%	Average	Total Population
Sawtooth Mountain Clinic, Inc	63	49.2%	37.3%	61.2%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	477	49.1%	44.6%	53.5%	Average	Total Population
North Memorial Clinic - Camden Physicians, Maple Grove	49	49.0%	35.6%	62.5%	Average	Total Population

Table 26.1: Colorectal Cancer Screening by Clinic - *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
Mid Minnesota Family Medicine Center	210	48.6%	41.9%	55.3%	Average	Total Population
Allina Medical Clinic - Farmington	68	48.5%	37.1%	60.2%	Average	Total Population
Mayo Clinic Health System Albert Lea	380	48.4%	43.4%	53.4%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	310	48.4%	42.9%	53.9%	Average	Total Population
Essentia Health - Hermantown Clinic	151	48.3%	40.5%	56.3%	Average	Total Population
Entira Family Clinics - Shoreview	56	48.2%	35.7%	61.0%	Average	Total Population
Allina Medical Clinic - Shakopee	104	48.1%	38.7%	57.6%	Average	Total Population
Affiliated Community Medical Centers - Redwood Falls Clinic	98	48.0%	38.3%	57.7%	Average	Total Population
Mayo Clinic Health System Mankato Northridge	73	48.0%	36.9%	59.2%	Average	Total Population
North Memorial - Silver Lake Clinic St. Anthony	71	47.9%	36.7%	59.3%	Average	Total Population
Family Practice Medical Center of Willmar	153	47.7%	40.0%	55.6%	Average	Total Population
Olmsted Medical Center - Preston Clinic	38	47.4%	32.5%	62.7%	Average	Total Population
North Memorial Clinic - Elk River Physicians	53	47.2%	34.4%	60.3%	Average	Total Population
Quello Clinic - Chanhassen	85	47.1%	36.8%	57.6%	Average	Total Population
Integracare Ltd dba Williams Clinic	34	47.1%	31.5%	63.3%	Average	Total Population
Fairview Lino Lakes Clinic	49	46.9%	33.7%	60.6%	Average	Total Population
Sanford Mountain Lake Clinic	32	46.9%	30.9%	63.6%	Average	Total Population
Ridgeview Chanhassen Clinic	47	46.8%	33.3%	60.8%	Average	Total Population
Glencoe Regional Health Services - Glencoe	109	46.8%	37.7%	56.1%	Average	Total Population
Sanford Health Parkers Prairie Clinic	30	46.7%	30.2%	63.9%	Average	Total Population
Allina Medical Clinic - Forest Lake	131	46.6%	38.2%	55.1%	Average	Total Population
Mayo Clinic Health System Waseca	127	46.5%	38.0%	55.1%	Average	Total Population
Sanford Walker Clinic	56	46.4%	34.0%	59.3%	Average	Total Population
Hutchinson Medical Center	257	46.3%	40.3%	52.4%	Average	Total Population
Sanford Worthington Clinic	80	46.3%	35.8%	57.1%	Average	Total Population
University of Minnesota Physicians - Mill City Clinic	39	46.2%	31.6%	61.4%	Average	Total Population
Entira Family Clinics - North St. Paul	141	46.1%	38.1%	54.3%	Average	Total Population
Entira Family Clinics - West St. Paul	63	46.0%	34.3%	58.2%	Average	Total Population
United Family Medicine	48	45.8%	32.6%	59.7%	Average	Total Population
Mayo Clinic - Speciality Practice	190	45.8%	38.9%	52.9%	Average	Total Population
Fairview Blaine Clinic	57	45.6%	33.4%	58.4%	Average	Total Population
Park Nicollet Clinic - Creekside	77	45.5%	34.8%	56.5%	Average	Total Population
Entira Family Clinics - Vadnais Heights	75	45.3%	34.6%	56.6%	Average	Total Population
North Memorial Clinic - Brooklyn Park Physicians	146	45.2%	37.4%	53.3%	Average	Total Population
Allina Medical Clinic - Brooklyn Park	40	45.0%	30.7%	60.2%	Average	Total Population
Altru Health System - Crookston	98	44.9%	35.4%	54.8%	Average	Total Population
Park Nicollet Clinic - Shakopee	201	44.8%	38.1%	51.7%	Average	Total Population
Multicare Associates - Roseville Medical Center	67	44.8%	33.5%	56.6%	Average	Total Population
Scenic Rivers Health Services - Bigfork/Big Falls	112	44.6%	35.8%	53.9%	Average	Total Population
Sanford Southpointe Family Medicine	74	44.6%	33.8%	55.9%	Average	Total Population
Allina Medical Clinic - Hastings (W First St)	137	44.5%	36.5%	52.9%	Average	Total Population
Essentia Health - Proctor Clinic	36	44.4%	29.5%	60.4%	Average	Total Population
Aspen Medical Group - Bloomington	151	44.4%	36.7%	52.3%	Average	Total Population
Gateway Family Health Clinic - Sandstone	122	44.3%	35.8%	53.1%	Average	Total Population
Essentia Health - Virginia Clinic	163	44.2%	36.8%	51.8%	Average	Total Population
Buffalo Clinic P.A. - Monticello Clinic	77	44.2%	33.6%	55.3%	Average	Total Population
NorthPoint Health & Wellness Center	608	44.1%	40.2%	48.1%	Below	Total Population
Essentia Health - Hibbing Clinic	123	43.9%	35.5%	52.7%	Average	Total Population
Essentia Health - Spooner Clinic	156	43.6%	36.1%	51.4%	Average	Total Population
University of Minnesota Physicians - Women's Health Specialists	60	43.3%	31.6%	55.9%	Average	Total Population

Table 26.1: Colorectal Cancer Screening by Clinic - *continued*
(Minnesota Health Care Programs with 30+ patients in denominator)

Clinic Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
Renville County Hospital and Clinics - Olivia	67	43.3%	32.1%	55.2%	Average	Total Population
Allina Medical Clinic - Northfield	171	43.3%	36.1%	50.8%	Average	Total Population
Ridgeview Westonka Clinic	74	43.2%	32.6%	54.6%	Average	Total Population
Mayo Clinic Health System Lake City	95	43.2%	33.7%	53.2%	Average	Total Population
Buffalo Clinic P.A.- Buffalo Clinic	79	43.0%	32.7%	54.0%	Average	Total Population
Sanford South Moorhead Family Medicine	84	42.9%	32.8%	53.5%	Average	Total Population
Mayo Clinic Health System Fairmont	199	42.7%	36.0%	49.7%	Below	Total Population
University of Minnesota Physicians - Smiley's Clinic	431	42.5%	37.9%	47.2%	Below	Total Population
Allina Medical Clinic - Cokato	43	41.9%	28.4%	56.7%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Positive Care	53	41.5%	29.3%	54.9%	Average	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (West)	81	40.7%	30.7%	51.6%	Average	Total Population
Allina Medical Clinic - Edina	248	40.7%	34.8%	46.9%	Below	Total Population
Aspen Medical Group - Maplewood	190	40.0%	33.3%	47.1%	Below	Total Population
Hendricks Clinic	35	40.0%	25.6%	56.4%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Downtown	1,478	39.9%	37.5%	42.4%	Below	Total Population
Park Nicollet Clinic - Minneapolis	270	39.6%	34.0%	45.6%	Below	Total Population
Ridgeview Delano Clinic	48	39.6%	27.0%	53.7%	Average	Total Population
Rainy Lake Medical Center	142	39.4%	31.8%	47.7%	Below	Total Population
LakeWood Health Center Clinic	71	39.4%	28.9%	51.1%	Average	Total Population
Multicare Associates - Blaine Medical Center	158	39.2%	32.0%	47.0%	Below	Total Population
FamilyHealth Medical Clinic - Northfield	36	38.9%	24.8%	55.1%	Average	Total Population
Affiliated Community Medical Centers - Granite Falls Clinic	75	38.7%	28.5%	50.0%	Average	Total Population
Essentia Health - Aurora Clinic	81	38.3%	28.5%	49.2%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	160	38.1%	31.0%	45.9%	Below	Total Population
Fairview Riverside Primary Care Clinic	84	38.1%	28.5%	48.8%	Below	Total Population
Allina Medical Clinic - Annandale	74	37.8%	27.7%	49.2%	Below	Total Population
Altru Health System - Family Medicine Center	138	37.7%	30.0%	46.0%	Below	Total Population
FirstLight Health System - Pine City	35	37.1%	23.2%	53.7%	Average	Total Population
Aspen Medical Group - Inver Grove Heights	81	37.0%	27.3%	47.9%	Below	Total Population
Park Nicollet Clinic - Prior Lake	54	37.0%	25.4%	50.4%	Average	Total Population
Altru Health System - Main	63	36.5%	25.7%	48.9%	Below	Total Population
Multicare Associates - Fridley Medical Center	269	36.4%	30.9%	42.3%	Below	Total Population
FirstLight Health System - Hinckley	47	36.2%	24.0%	50.5%	Average	Total Population
North Memorial Clinic - Northeast Family Physicians	67	35.8%	25.4%	47.8%	Below	Total Population
Chippewa County Montevideo Hospital & Medical Clinic	126	34.1%	26.4%	42.8%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Cntr	128	33.6%	26.0%	42.2%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	161	33.5%	26.7%	41.1%	Below	Total Population
Altru Health System - Grand Forks Family Medicine Residency	46	32.6%	20.9%	47.0%	Below	Total Population
Sanford East Grand Forks Clinic	55	30.9%	20.3%	44.0%	Below	Total Population
Entira Family Clinics - East Side	140	30.7%	23.7%	38.8%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	366	30.1%	25.6%	34.9%	Below	Total Population
Southside Medical Clinic	54	29.6%	19.1%	42.8%	Below	Total Population
Winona Health - Family Medicine	110	29.1%	21.4%	38.2%	Below	Total Population
University of Minnesota Physicians - Phalen Clinic	252	28.2%	23.0%	34.0%	Below	Total Population
Fairview Riverside	39	25.6%	14.6%	41.1%	Below	Total Population
University of Minnesota Physicians - Broadway Family Medicine	246	24.8%	19.8%	30.6%	Below	Total Population
University of Minnesota Physicians - Bethesda Clinic	349	24.6%	20.4%	29.4%	Below	Total Population
Scenic Rivers Health Services - Cook	72	23.6%	15.3%	34.6%	Below	Total Population
Johnson Street Medical Clinic	68	23.5%	15.0%	34.9%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	81	18.5%	11.6%	28.3%	Below	Total Population
Bluestone Physician Services	59	8.5%	3.7%	18.4%	Below	Total Population

Table 26.2: Colorectal Cancer Screening by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (^ = OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Statewide Average		49.7%	49.3%	50.2%		
CentraCare Health System	764	65.8%	62.4%	69.1%	Above	Total Population
HealthEast Clinics	1,226	64.0%	61.2%	66.6%	Above	Total Population
HealthPartners Central Minnesota Clinics	239	61.9%	55.6%	67.9%	Above	Total Population
Lakewood Health System	112	60.7%	51.5%	69.3%	Above	Total Population
Integrity Health Network	39	60.5%	44.9%	74.2%	Average	Sample
Fairview Health Services	3,054	60.3%	58.5%	62.0%	Above	Total Population
Edina Sports Health & Wellness	37	59.5%	43.5%	73.7%	Average	Total Population
Mayo Clinic	1,031	59.1%	56.0%	62.0%	Above	Total Population
Mankato Clinic, Ltd.	390	59.0%	54.0%	63.8%	Above	Total Population
HealthPartners Clinics	4,467	58.3%	56.8%	59.7%	Above	Total Population
Gundersen Lutheran	31	58.1%	40.8%	73.6%	Average	Total Population
Quello Clinic	369	58.0%	52.9%	62.9%	Above	Total Population
Burnsville Family Physicians	45	57.8%	43.3%	71.0%	Average	Total Population
Paynesville Area Health System	167	56.9%	49.3%	64.2%	Average	Total Population
Allina Health System	334	56.6%	51.2%	61.8%	Above	Total Population
Sanford Health - Fargo Region	1,687	56.4%	54.0%	58.7%	Above	Total Population
Affiliated Community Medical Centers	1,092	55.4%	52.4%	58.3%	Above	Total Population
Essentia Health - Central Region	34	54.4%	38.1%	69.8%	Average	Sample
Northwest Family Physicians	241	53.9%	47.6%	60.1%	Average	Total Population
North Memorial	939	53.7%	50.5%	56.8%	Above	Total Population
Park Nicollet Health Services	2,874	53.6%	51.7%	55.4%	Above	Total Population
Mayo Clinic Health System	2,745	52.8%	50.9%	54.6%	Above	Mixed
Olmsted Medical Center	572	52.5%	48.4%	56.5%	Average	Total Population
Allina Medical Clinic	4,556	52.0%	50.6%	53.5%	Above	Total Population
Essentia Health - East Region	2,281	51.0%	49.0%	53.1%	Average	Total Population
France Avenue Family Physicians	90	50.0%	39.9%	60.1%	Average	Total Population
Unity Family Healthcare, Family Medical Center	282	49.3%	43.5%	55.1%	Average	Total Population
Entira Family Clinics (formerly Family Health Services MN)	954	49.3%	46.1%	52.4%	Average	Total Population
Sawtooth Mountain Clinic	63	49.2%	37.3%	61.2%	Average	Total Population
Aspen Medical Group	915	48.9%	45.6%	52.1%	Average	Total Population
Mid Minnesota Family Medicine Center	210	48.6%	41.9%	55.3%	Average	Total Population
Glencoe Regional Health Services	143	48.3%	40.2%	56.4%	Average	Total Population
Family Practice Medical Center of Willmar	153	47.7%	40.0%	55.6%	Average	Total Population
FirstLight Health System	309	47.6%	42.1%	53.1%	Average	Total Population
Williams Integracare Clinic	34	47.1%	31.5%	63.3%	Average	Total Population
Gateway Family Health Clinic	306	46.7%	41.2%	52.3%	Average	Total Population
Sanford Health - Sioux Falls Region	293	46.4%	40.8%	52.1%	Average	Mixed
Hutchinson Medical Center	257	46.3%	40.3%	52.4%	Average	Total Population
United Family Medicine	48	45.8%	32.6%	59.7%	Average	Total Population
Buffalo Clinic, PA	170	45.3%	38.0%	52.8%	Average	Total Population
NorthPoint Health & Wellness Center	608	44.1%	40.2%	48.1%	Below	Total Population
Winona Health	270	44.1%	38.3%	50.0%	Average	Total Population
^ Oakdale Ob/Gyn	53	43.4%	31.0%	56.7%	Average	Total Population
Altru Health System	400	43.2%	38.5%	48.1%	Below	Mixed
Ridgeview Clinics	249	43.0%	37.0%	49.2%	Below	Total Population
St. Luke's Clinics	30	39.7%	24.3%	57.4%	Average	Sample
Renville County Hospital and Clinics	86	39.5%	29.9%	50.1%	Average	Total Population
Lakewood Health Center Clinic	71	39.4%	28.9%	51.1%	Average	Total Population
Hendricks Community Hospital Association	41	39.0%	25.7%	54.3%	Average	Total Population
Multicare Associates	494	38.5%	34.3%	42.8%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics	2,700	37.9%	36.1%	39.7%	Below	Total Population
FamilyHealth Medical Clinics	53	37.7%	25.9%	51.2%	Average	Total Population
Scenic Rivers Health Services	231	35.9%	30.0%	42.3%	Below	Total Population
University of Minnesota Physicians	1,627	35.2%	32.9%	37.6%	Below	Total Population
Chippewa County Montevideo Hospital & Medical Clinic	130	33.1%	25.6%	41.6%	Below	Total Population
Neighborhood Healthsource	55	31.1%	20.4%	44.2%	Below	Sample
Southside Community Health Services	61	27.9%	18.2%	40.2%	Below	Total Population
Johnson Street Medical Clinic	68	23.5%	15.0%	34.9%	Below	Total Population
Bluestone Physician Services	59	8.5%	3.7%	18.4%	Below	Total Population

Table 27: Chlamydia Screening by Medical Group
(Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (#=Pediatric, ^=OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		59.1%	58.3%	59.9%		
^ Northland Ob-Gyn Assoc.	38	89.5%	75.9%	95.8%	Above	Total Population
^ Face to Face Health & Counseling	148	86.5%	80.1%	91.1%	Above	Total Population
Neighborhood Healthsource	60	81.7%	70.1%	89.4%	Above	Total Population
NorthPoint Health And Wellness Center	231	81.4%	75.9%	85.9%	Above	Total Population
HealthPartners Clinics	1,267	79.6%	77.3%	81.8%	Above	Total Population
Hennepin Faculty Associates & HCMC Clinics	444	79.5%	75.5%	83.0%	Above	Total Population
HealthEast	339	73.8%	68.8%	78.2%	Above	Total Population
HealthPartners Central Minnesota Clinics	97	71.1%	61.5%	79.2%	Above	Total Population
^ Obstetrics & Gynecology Associates	38	71.1%	55.2%	83.0%	Average	Total Population
Dr. Bobby K. Yang Medical Clinic	47	70.2%	56.0%	81.4%	Average	Total Population
University of Minnesota Physicians	479	69.1%	64.8%	73.1%	Above	Total Population
North Clinic	54	68.5%	55.3%	79.3%	Average	Total Population
Cedar Riverside People's Center	56	67.9%	54.8%	78.6%	Average	Total Population
Open Cities Health Center	96	67.7%	57.8%	76.2%	Average	Total Population
Park Nicollet Health Services	595	66.6%	62.7%	70.2%	Above	Total Population
West Side Community Health Services	384	66.4%	61.5%	71.0%	Above	Total Population
Entira Family Clinics	187	66.3%	59.3%	72.7%	Above	Total Population
North Memorial Clinic	167	65.9%	58.4%	72.6%	Average	Total Population
Fairview Medical Group	903	65.8%	62.6%	68.8%	Above	Total Population
United Family Medicine	111	65.8%	56.5%	73.9%	Average	Total Population
Mayo Clinic Health System - Faribault	32	65.6%	48.3%	79.6%	Average	Total Population
Community University Health Care Center	85	64.7%	54.1%	74.0%	Average	Total Population
Allina Health System	1,477	63.7%	61.2%	66.1%	Above	Total Population
Fairview Mesaba Clinics	97	62.9%	53.0%	71.8%	Average	Total Population
Buffalo Clinic	144	61.1%	53.0%	68.7%	Average	Total Population
# Children's Hospital Clinics Mpls, St. Paul, Tams, PACE	108	61.1%	51.7%	69.8%	Average	Total Population
^Premier OB/GYN of Minnesota	64	60.9%	48.7%	71.9%	Average	Total Population
Northwest Family Physicians	45	60.0%	45.5%	73.0%	Average	Total Population
CentraCare Health System	272	59.9%	54.0%	65.6%	Average	Total Population
Gundersen Clinic	37	59.5%	43.5%	73.7%	Average	Total Population
# Partners in Pediatrics	46	58.7%	44.3%	71.7%	Average	Total Population
Duluth Family Practice Center- Integrity	33	57.6%	40.8%	72.8%	Average	Total Population
Glencoe Regional Health Services	44	56.8%	42.2%	70.3%	Average	Total Population
Mayo Clinic Health System - Fairmont	60	56.7%	44.1%	68.4%	Average	Total Population
CCMH-Montevideo Clinic	32	56.3%	39.3%	71.8%	Average	Total Population
^Planned Parenthood Of Minnesota, North Dakota, South Dakota	125	55.2%	46.5%	63.6%	Average	Total Population
Paynesville Area Health Care System	51	54.9%	41.4%	67.7%	Average	Total Population
Essentia Health - East Region	500	54.8%	50.4%	59.1%	Average	Total Population
Quello Clinic	64	54.7%	42.6%	66.3%	Average	Total Population
Mayo Clinic Health System - Albert Lea	116	54.3%	45.3%	63.1%	Average	Total Population

Table 27: Chlamydia Screening by Medical Group- *continued*
 (Minnesota Health Care Programs with 30+ patients in denominator)

Medical Group Name (#=Pediatric, ^=OB/GYN)	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		59.1%	58.3%	59.9%		
Mid Minnesota Family Medicine Center	35	54.3%	38.2%	69.5%	Average	Total Population
Family Practice Medical Center Of Willmar	48	54.2%	40.3%	67.4%	Average	Total Population
St. Luke's Clinics	148	53.4%	45.4%	61.2%	Average	Total Population
Multicare Associates of the Twin Cities	92	53.3%	43.1%	63.1%	Average	Total Population
Mayo Clinic Health System - Austin	100	53.0%	43.3%	62.5%	Average	Total Population
Mayo Clinic Health System - Owatonna	108	52.8%	43.4%	61.9%	Average	Total Population
Riverwood Aitkin Clinic	55	52.7%	39.8%	65.3%	Average	Total Population
Grand Itasca Clinic	124	52.4%	43.7%	61.0%	Average	Total Population
Affiliated Community Medical Centers	313	51.4%	45.9%	56.9%	Below	Total Population
MinuteClinic	39	51.3%	36.2%	66.1%	Average	Total Population
Lakeview Clinic, Ltd.	63	50.8%	38.8%	62.7%	Average	Total Population
Mankato Clinic	176	50.6%	43.3%	57.9%	Below	Total Population
St. Cloud Medical Group - Integrity	163	50.3%	42.7%	57.9%	Below	Total Population
Mayo Clinic	165	50.3%	42.8%	57.8%	Below	Total Population
Raiter Clinic, LTD-Integrity	50	50.0%	36.6%	63.4%	Average	Total Population
Lake Region Medical Group PA	40	50.0%	35.2%	64.8%	Average	Total Population
Fairview Red Wing Health Services	59	49.2%	36.8%	61.6%	Average	Total Population
Sanford Clinic	94	47.9%	38.1%	57.9%	Below	Total Population
Mayo Clinic Health System - Immanuel St. Joseph	143	47.6%	39.5%	55.7%	Below	Total Population
Olmsted Medical Center	218	47.3%	40.7%	53.9%	Below	Total Population
Gateway Family Health Clinic	70	47.1%	35.9%	58.7%	Below	Total Population
Avera Medical Group	89	46.1%	36.1%	56.4%	Below	Total Population
Stillwater Medical Group	71	45.1%	34.1%	56.6%	Below	Total Population
Central Lakes Medical Clinic - Integrity	45	44.4%	30.9%	58.8%	Below	Total Population
Apple Valley Medical Clinic	34	44.1%	28.9%	60.6%	Average	Total Population
Broadway Medical Center	57	42.1%	30.2%	55.0%	Below	Total Population
Hutchinson Medical Center	75	41.3%	30.9%	52.6%	Below	Total Population
Unity Family Healthcare - Avon	95	41.1%	31.7%	51.1%	Below	Total Population
Winona Health	121	38.8%	30.6%	47.7%	Below	Total Population
Essentia Health - West Region	122	36.1%	28.1%	44.9%	Below	Total Population
Altru Health System	91	35.2%	26.1%	45.4%	Below	Total Population
Riverview Clinics	39	33.3%	20.6%	49.0%	Below	Total Population
Wadena Medical Center	62	32.3%	22.0%	44.6%	Below	Total Population
Essentia Health - Central Region	138	29.0%	22.1%	37.0%	Below	Total Population
Essentia Health St. Mary's	67	28.4%	19.0%	40.1%	Below	Total Population
Sanford Health Fargo	523	28.3%	24.6%	32.3%	Below	Total Population
Alexandria Clinic	103	28.2%	20.4%	37.5%	Below	Total Population
Lakewood Health Center	84	21.4%	14.0%	31.4%	Below	Total Population
First Care Medical Services	40	12.5%	5.5%	26.1%	Below	Total Population

Table 28: Childhood Immunization Status by Medical Group
(Minnesota Health Care Programs with 60+ patients in denominator)

Medical Group Name # = Pediatric/Adolescent	N	Rate	Lower Bound of 95% Confidence Interval	Upper Bound of 95% Confidence Interval	Rating	Total Population or Sample (of MHCP patients)
Medical Group Average		75.9%	74.5%	77.3%		
Affiliated Community Medical Centers	69	88.8%	79.3%	94.3%	Above	Sample
# Pediatric and Young Adult Medicine	63	86.3%	75.7%	92.7%	Average	Sample
Mayo Clinic	62	85.2%	74.3%	92.0%	Average	Sample
HealthEast	63	85.2%	74.4%	91.9%	Average	Sample
Olmsted Medical Center	60	84.5%	73.3%	91.6%	Average	Sample
HealthPartners Clinics	253	83.6%	78.5%	87.7%	Above	Sample
Sanford Health Fargo	124	82.7%	75.1%	88.4%	Average	Sample
# Fridley Children's & Teenagers' Medical Center	62	82.7%	71.5%	90.1%	Average	Sample
CentraCare Health System	69	80.7%	69.9%	88.3%	Average	Sample
Sanford Clinic	62	80.4%	68.9%	88.4%	Average	Sample
Grand Itasca Clinic	81	80.3%	70.3%	87.5%	Average	Sample
Entira Family Clinics	60	80.0%	68.3%	88.2%	Average	Sample
Fairview Medical Group	104	80.0%	71.3%	86.5%	Average	Sample
Mayo Clinic Health System - Owatonna	78	78.9%	68.6%	86.5%	Average	Sample
Avera Medical Group	63	78.5%	66.9%	86.8%	Average	Sample
Park Nicollet Health Services	130	77.6%	69.7%	83.9%	Average	Sample
Essentia Health - West Region	62	77.6%	65.7%	86.2%	Average	Sample
# Partners in Pediatrics	62	76.3%	64.3%	85.1%	Average	Sample
Essentia Health - East Region	81	75.5%	65.1%	83.6%	Average	Sample
Allina Health System	154	71.3%	63.7%	77.9%	Average	Sample
University of Minnesota Physicians	62	70.0%	57.7%	79.9%	Average	Sample
West Side Community Health Services	61	67.4%	54.9%	77.9%	Average	Sample
Mayo Clinic Health System - Albert Lea	62	65.9%	53.5%	76.4%	Average	Sample
United Family Medicine	63	65.9%	53.5%	76.4%	Average	Sample
Buffalo Clinic	62	64.9%	52.5%	75.6%	Below	Sample
# Southdale Pediatric Associates Ltd	62	60.5%	48.0%	71.7%	Below	Sample
St. Luke's Clinics	66	49.8%	38.0%	61.5%	Below	Sample

Appendix 4: Medical Group Performance Over Time (3 Years)

**Table 29: Controlling High Blood Pressure -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Fairview Mesaba Clinics	49.3%	71.9%	77.1%	22.6%	5.2%	27.8%	Consistently Improved
Gateway Family Health Clinic	51.9%	55.7%	65.8%	3.8%	10.2%	13.9%	Consistently Improved
Lakewood Health Center*	39.7%	52.5%	65.0%	12.7%	12.5%	25.3%	Consistently Improved
Sanford Health Fargo	63.7%	78.4%	82.8%	14.6%	4.4%	19.1%	Consistently Improved
North Clinic	56.5%	50.2%	74.4%	-6.3%	24.2%	17.9%	Consistently Improved
Winona Health	48.3%	67.3%	65.6%	18.9%	-1.7%	17.3%	Variable Improvement
Mayo Clinic Health System - Albert Lea Clinic	61.6%	80.3%	74.5%	18.7%	-5.8%	12.9%	Variable Improvement
Essentia Health - East Region	71.7%	67.4%	84.3%	-4.4%	17.0%	12.6%	Variable Improvement
Allina Health System	65.6%	64.8%	78.1%	-0.8%	13.3%	12.5%	Variable Improvement
Essentia Health - West Region	53.2%	79.3%	65.4%	26.1%	-13.9%	12.2%	Variable Improvement
Wadena Medical Center	49.7%	37.4%	60.7%	-12.3%	23.3%	11.0%	Variable Improvement
Mayo Clinic Health System - Austin	71.9%	62.7%	82.3%	-9.2%	19.6%	10.4%	Variable Improvement
University of Minnesota Physicians	55.6%	70.1%	65.8%	14.5%	-4.3%	10.2%	Variable Improvement
St. Paul Family Medical Center	35.3%	46.0%	45.1%	10.7%	-0.9%	9.8%	Variable Improvement
Sanford Clinic	59.8%	82.4%	69.4%	22.6%	-13.0%	9.6%	Variable Improvement
Mayo Clinic Health System - Immanuel St. Joseph	68.5%	82.2%	76.2%	13.7%	-6.0%	7.7%	Variable Improvement
Gundersen Clinic	71.2%	82.3%	75.4%	11.1%	-6.9%	4.1%	Variable Improvement
Olmsted Medical Center	71.1%	70.6%	74.8%	-0.5%	4.3%	3.7%	Variable Improvement
Altru Health System	58.7%	53.3%	61.7%	-5.4%	8.4%	3.0%	Variable Improvement
West Side Community Health Services	50.8%	60.1%	53.6%	9.3%	-6.5%	2.8%	Variable Improvement
Multicare Associates of the Twin Cities	74.4%	69.7%	76.8%	-4.8%	7.1%	2.4%	Variable Improvement
Mayo Clinic	74.0%	72.3%	75.2%	-1.8%	3.0%	1.2%	Variable Improvement
St. Luke's Clinics	62.9%	72.3%	63.7%	9.4%	-8.6%	0.8%	Variable Improvement
Mayo Clinic Health System - Owatonna	83.6%	78.7%	83.9%	-5.0%	5.2%	0.2%	Variable Improvement
Affiliated Community Medical Centers	77.2%	75.6%	85.6%	-1.5%	10.0%	8.4%	Variable Improvement
Grand Itasca Clinic	51.8%	51.9%	52.5%	0.1%	0.6%	0.7%	Relatively Stable
Cedar Riverside People's Center	55.1%	52.4%	54.7%	-2.6%	2.3%	-0.4%	Variable Decline
NorthPoint Health and Wellness Center	58.4%	55.2%	57.9%	-3.2%	2.7%	-0.5%	Variable Decline
HealthEast	76.0%	91.0%	75.0%	15.0%	-16.0%	-1.0%	Variable Decline
Mankato Clinic	68.8%	79.1%	67.6%	10.3%	-11.4%	-1.1%	Variable Decline
HealthPartners Clinics	74.7%	76.8%	72.8%	2.1%	-4.1%	-2.0%	Variable Decline
Mayo Clinic Health System - Fairmont	71.4%	79.6%	69.4%	8.3%	-10.2%	-2.0%	Variable Decline
Community University Health Care Center	73.8%	88.9%	70.8%	15.2%	-18.1%	-2.9%	Variable Decline
Hennepin Faculty Associates & HMC Clinics	59.7%	65.3%	56.4%	5.6%	-8.9%	-3.3%	Variable Decline
Alexandria Clinic	75.7%	88.5%	71.0%	12.8%	-17.5%	-4.7%	Variable Decline
United Family Medicine	70.5%	59.7%	64.9%	-10.9%	5.3%	-5.6%	Variable Decline
Entira Family Clinics	87.6%	89.8%	81.4%	2.1%	-8.3%	-6.2%	Variable Decline
CentraCare Health System	77.0%	71.4%	70.6%	-5.6%	-0.8%	-6.3%	Variable Decline
Open Cities Health Center	66.8%	79.5%	59.0%	12.7%	-20.5%	-7.8%	Variable Decline
North Memorial Clinic	73.6%	64.7%	65.6%	-9.0%	1.0%	-8.0%	Variable Decline
Buffalo Clinic	69.5%	53.7%	60.7%	-15.8%	6.9%	-8.9%	Variable Decline
Avera Medical Group	61.6%	57.1%	46.2%	-4.5%	-10.9%	-15.4%	Consistently Decline
Essentia Health - Central Region	78.0%	73.4%	70.4%	-4.6%	-3.1%	-7.7%	Consistently Decline
Broadway Medical Center	65.3%	64.0%	59.5%	-1.4%	-4.4%	-5.8%	Consistently Decline
Central Lakes Medical Clinic - Integrity	68.5%	61.7%	50.4%	-6.9%	-11.2%	-18.1%	Consistently Decline
Park Nicollet Health Services	80.1%	77.2%	73.0%	-2.9%	-4.3%	-7.1%	Consistently Decline

* = $p_{\text{trend}} < 0.05$

Table 30: Appropriate Treatment for Children with Upper Respiratory Infection - Rate Changes for Reporting Years 2010-2012

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Alexandria Clinic	61.5%	73.0%	91.3%	11.5%	18.3%	29.8%	Consistently Improved
Apple Valley Medical Clinic	78.3%	80.5%	83.9%	2.2%	3.4%	5.6%	Consistently Improved
Avera Medical Group*	31.3%	42.1%	55.5%	10.7%	13.4%	24.2%	Consistently Improved
Broadway Medical Center	52.9%	68.6%	92.2%	15.6%	23.6%	39.3%	Consistently Improved
Familyhealth Medical Clinics	85.4%	88.6%	100.0%	3.2%	11.4%	14.6%	Consistently Improved
Mayo Clinic Health System - Lake City	84.6%	90.2%	97.8%	5.6%	7.6%	13.2%	Consistently Improved
North Clinic	77.1%	89.5%	92.5%	12.3%	3.0%	15.3%	Consistently Improved
Quello Clinic*	86.6%	88.8%	91.4%	2.2%	2.7%	4.8%	Consistently Improved
Renville County Hospital And Clinics	72.6%	82.6%	87.5%	10.1%	4.9%	15.0%	Consistently Improved
Stillwater Medical Group*	87.9%	92.2%	96.7%	4.3%	4.5%	8.8%	Consistently Improved
CentraCare Health System	97.2%	97.3%	97.6%	0.1%	0.3%	0.4%	Relatively Stable
Neighborhood Healthsource	96.9%	95.7%	97.6%	-1.3%	1.9%	0.6%	Relatively Stable
Fridley Children's & Teenagers' Medical Center	96.0%	96.6%	96.3%	0.6%	-0.3%	0.3%	Relatively Stable
HealthPartners Clinics	96.8%	96.4%	97.6%	-0.4%	1.2%	0.8%	Relatively Stable
Hennepin Faculty Associates & HCMC Clinics	97.9%	96.1%	96.5%	-1.8%	0.4%	-1.4%	Relatively Stable
Lakewood Health Center	87.0%	88.0%	88.8%	1.1%	0.8%	1.8%	Relatively Stable
MinuteClinic	94.7%	96.0%	96.3%	1.3%	0.3%	1.6%	Relatively Stable
North Memorial Clinic	94.9%	94.8%	96.0%	0.0%	1.2%	1.1%	Relatively Stable
Southern Metro Medical Clinics	61.5%	81.8%	80.6%	20.3%	-1.2%	19.1%	Variable Improvement
Mayo Clinic Health System - Fairmont	71.8%	88.4%	89.4%	16.5%	1.0%	17.6%	Variable Improvement
Mayo Clinic Health System - Immanuel St. Joseph	78.5%	88.8%	88.1%	10.3%	-0.6%	9.6%	Variable Improvement
Priority Pediatrics Urgent Care	87.9%	95.8%	95.9%	8.0%	0.1%	8.0%	Variable Improvement
Unity Family Healthcare - Avon	79.0%	86.3%	86.4%	7.4%	0.1%	7.5%	Variable Improvement
Mayo Clinic Health System - Albert Lea	88.2%	86.0%	94.8%	-2.2%	8.8%	6.6%	Variable Improvement
Northwest Family Physicians	89.1%	96.4%	95.7%	7.3%	-0.7%	6.6%	Variable Improvement
Allina Health System	91.3%	95.6%	97.0%	4.3%	1.4%	5.7%	Variable Improvement
Mayo Clinic Health System - Owatonna	80.5%	88.4%	85.1%	7.9%	-3.3%	4.6%	Variable Improvement
Central Pediatrics	93.8%	83.3%	98.4%	-10.4%	15.0%	4.6%	Variable Improvement
Olmsted Medical Center	82.2%	85.4%	86.5%	3.2%	1.2%	4.3%	Variable Improvement
Essentia Health - Central Region	83.8%	87.5%	88.1%	3.7%	0.6%	4.3%	Variable Improvement
Express Healthcare	96.0%	97.3%	100.0%	1.3%	2.7%	4.0%	Variable Improvement
Paynesville Area Health Care System	80.4%	74.2%	84.1%	-6.2%	9.9%	3.7%	Variable Improvement
Community University Health Care Center	92.3%	95.5%	95.7%	3.1%	0.3%	3.4%	Variable Improvement
Gateway Family Health Clinic	90.6%	93.8%	93.9%	3.1%	0.2%	3.3%	Variable Improvement
Partners In Pediatrics	92.0%	94.7%	94.8%	2.7%	0.2%	2.9%	Variable Improvement
HealthEast	92.6%	90.8%	95.1%	-1.8%	4.3%	2.5%	Variable Improvement
West Side Community Health Services	94.3%	96.4%	96.7%	2.2%	0.3%	2.5%	Variable Improvement
Wadena Medical Center	76.1%	85.6%	78.3%	9.5%	-7.3%	2.2%	Variable Improvement
Lakeview Medical Clinic	93.5%	92.8%	95.6%	-0.7%	2.8%	2.1%	Variable Improvement
Essentia Health - West Region	76.0%	68.6%	78.0%	-7.3%	9.4%	2.1%	Variable Improvement
Southdale Pediatric Associates Ltd	94.5%	98.2%	96.4%	3.7%	-1.8%	1.9%	Variable Improvement
Ridgeview Clinics	80.7%	86.8%	82.4%	6.1%	-4.4%	1.7%	Variable Improvement

* = $p_{trend} < 0.05$

Table 30: Appropriate Treatment for Children with Upper Respiratory Infection - Rate Changes for Reporting Years 2010-2012

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Entira Family Clinics	86.4%	91.3%	88.0%	4.9%	-3.3%	1.6%	Variable Improvement
Mankato Clinic	78.6%	86.5%	80.2%	8.0%	-6.4%	1.6%	Variable Improvement
Grand Itasca Clinic	88.3%	92.6%	89.8%	4.3%	-2.8%	1.5%	Variable Improvement
Affiliated Community Medical Centers	88.9%	94.9%	90.4%	6.0%	-4.5%	1.5%	Variable Improvement
South Lake Pediatrics	94.6%	97.4%	96.1%	2.8%	-1.4%	1.4%	Variable Improvement
Hutchinson Medical Center	93.8%	91.9%	95.2%	-1.9%	3.3%	1.4%	Variable Improvement
St. Luke's Clinics	79.8%	82.3%	80.5%	2.5%	-1.9%	0.7%	Variable Improvement
Sanford Health Fargo	88.4%	91.6%	89.0%	3.2%	-2.6%	0.6%	Variable Improvement
Mid Minnesota Family Medicine Center	92.5%	95.2%	92.6%	2.6%	-2.6%	0.0%	Variable
Southside Community Health Services	83.9%	78.4%	83.9%	-5.4%	5.4%	0.0%	Variable
Riverview Clinics	79.0%	76.5%	78.8%	-2.5%	2.3%	-0.2%	Variable Decline
Lakeview Clinic, Ltd.	88.7%	97.6%	88.5%	8.9%	-9.1%	-0.3%	Variable Decline
Multicare Associates of the Twin Cities	86.9%	88.4%	86.4%	1.5%	-2.0%	-0.5%	Variable Decline
Emergency Physicians	94.4%	91.5%	93.2%	-2.9%	1.7%	-1.2%	Variable Decline
Park Nicollet Health Services	92.2%	89.6%	90.8%	-2.6%	1.2%	-1.4%	Variable Decline
Mayo Clinic Health System - Austin	88.3%	91.5%	86.9%	3.2%	-4.6%	-1.4%	Variable Decline
WestHealth Urgent Care	95.1%	95.6%	93.5%	0.4%	-2.1%	-1.6%	Variable Decline
Children's Hospital Clinics Mpls, St. Paul, Tams, PACE	94.4%	96.1%	92.7%	1.6%	-3.3%	-1.7%	Variable Decline
Sanford Clinic	76.6%	74.5%	74.8%	-2.2%	0.3%	-1.8%	Variable Decline
HealthPartners Central Minnesota Clinics	88.5%	96.2%	86.7%	7.7%	-9.6%	-1.9%	Variable Decline
Riverwood Aitkin Clinic	77.6%	90.9%	75.6%	13.3%	-15.3%	-2.0%	Variable Decline
United Family Medicine	94.7%	97.4%	92.6%	2.6%	-4.7%	-2.1%	Variable Decline
Essentia Health - East Region	85.5%	88.4%	82.9%	2.9%	-5.5%	-2.5%	Variable Decline
University of Minnesota Physicians	97.6%	97.7%	94.8%	0.2%	-2.9%	-2.8%	Variable Decline
Mille Lacs Clinics	92.0%	89.0%	89.1%	-3.0%	0.1%	-2.9%	Variable Decline
Open Cities Health Center	98.8%	90.8%	95.7%	-8.0%	4.9%	-3.1%	Variable Decline
Glenwood Medical Center	62.7%	65.2%	59.5%	2.5%	-5.7%	-3.2%	Variable Decline
NorthPoint Health and Wellness Center	98.2%	98.9%	94.8%	0.7%	-4.1%	-3.4%	Variable Decline
Mayo Clinic Health System - Faribault	100.0%	98.0%	96.1%	-2.0%	-1.9%	-3.9%	Variable Decline
Family Practice Medical Center Of Willmar	94.3%	91.4%	90.0%	-2.9%	-1.4%	-4.3%	Variable Decline
Buffalo Clinic	97.3%	93.9%	92.4%	-3.4%	-1.5%	-4.9%	Variable Decline
CCMH-Montevideo Clinic	100.0%	90.4%	94.8%	-9.6%	4.5%	-5.2%	Variable Decline
Fairview Mesaba Clinics	82.0%	78.4%	76.5%	-3.6%	-1.9%	-5.5%	Variable Decline
Lake Region Medical Group PA	86.2%	70.7%	72.1%	-15.5%	1.4%	-14.2%	Variable Decline
Altru Health System	86.6%	72.1%	70.9%	-14.4%	-1.3%	-15.7%	Variable Decline
Central Lakes Medical Clinic - Integrity	86.9%	78.0%	75.0%	-8.9%	-3.0%	-11.9%	Consistently Declined
Glencoe Regional Health Services	87.9%	84.1%	78.0%	-3.8%	-6.2%	-10.0%	Consistently Declined
Mayo Clinic	95.4%	92.9%	89.1%	-2.4%	-3.9%	-6.3%	Consistently Declined
Pediatric and Adolescent Services	98.4%	94.6%	88.1%	-3.8%	-6.5%	-10.2%	Consistently Declined
Pediatric and Young Adult Medicine	98.1%	95.9%	90.3%	-2.2%	-5.6%	-7.8%	Consistently Declined
United Hospital District Clinics	98.0%	91.8%	80.9%	-6.2%	-11.0%	-17.2%	Consistently Declined

* = $p_{\text{trend}} < 0.05$

**Table 31: Appropriate Testing for Children with Pharyngitis -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Essentia Health - Central Region	64.2%	67.4%	76.1%	3.2%	8.7%	11.9%	Consistently Improved
Mayo Clinic Health System - Fairmont*	53.5%	60.0%	65.1%	6.5%	5.1%	11.6%	Consistently Improved
Mayo Clinic Health System - Immanuel St. Joseph	58.7%	73.0%	75.9%	14.3%	2.9%	17.2%	Consistently Improved
Essentia Health - West Region*	69.2%	71.2%	73.6%	2.0%	2.4%	4.4%	Consistently Improved
Lakewood Health Center	56.1%	84.3%	93.4%	28.2%	9.1%	37.3%	Consistently Improved
North Memorial Clinic	68.8%	75.3%	87.9%	6.6%	12.6%	19.2%	Consistently Improved
CCMH-Montevideo Clinic	95.7%	97.4%	97.1%	1.6%	-0.3%	1.3%	Relatively Stable
Children's Hospital Clinics Mpls, St. Paul, Tams, PACE	94.7%	95.0%	95.3%	0.3%	0.3%	0.6%	Relatively Stable
Express Healthcare	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	Relatively Stable
Fridley Children's & Teenagers' Medical Center	100.0%	100.0%	99.2%	0.0%	-0.8%	-0.8%	Relatively Stable
MinuteClinic	99.7%	98.9%	98.9%	-0.8%	0.0%	-0.7%	Relatively Stable
Multicare Associates of the Twin Cities	97.0%	96.3%	97.9%	-0.7%	1.7%	1.0%	Relatively Stable
Pediatric and Adolescent Services	97.0%	98.6%	98.4%	1.6%	-0.2%	1.5%	Relatively Stable
Riverview Clinics	30.0%	31.6%	49.2%	1.6%	17.6%	19.2%	Variable Improvement
Avera Medical Group	38.0%	38.8%	53.8%	0.9%	14.9%	15.8%	Variable Improvement
Mankato Clinic	78.0%	77.4%	90.7%	-0.6%	13.3%	12.8%	Variable Improvement
CentraCare Health System	81.8%	91.8%	91.5%	9.9%	-0.3%	9.7%	Variable Improvement
Alexandria Clinic	78.5%	86.8%	85.9%	8.4%	-1.0%	7.4%	Variable Improvement
Unity Family Healthcare - Avon	69.4%	78.0%	76.7%	8.6%	-1.3%	7.3%	Variable Improvement
Hutchinson Medical Center	82.9%	72.3%	90.1%	-10.6%	17.8%	7.2%	Variable Improvement
Allina Health System	88.7%	89.7%	95.7%	1.0%	6.0%	7.0%	Variable Improvement
Apple Valley Medical Clinic	88.7%	83.0%	94.9%	-5.7%	11.9%	6.2%	Variable Improvement
St. Luke's Clinics	82.4%	83.9%	88.2%	1.6%	4.3%	5.8%	Variable Improvement
Olmsted Medical Center	81.9%	90.4%	87.4%	8.5%	-3.0%	5.5%	Variable Improvement
Lake Region Medical Group PA	64.9%	78.7%	69.2%	13.9%	-9.5%	4.4%	Variable Improvement
Albert Lea Clinic - Mayo Health System	89.1%	88.3%	92.9%	-0.8%	4.6%	3.8%	Variable Improvement
Gateway Family Health Clinic	91.3%	88.9%	94.6%	-2.4%	5.8%	3.3%	Variable Improvement
Park Nicollet Health Services	91.6%	95.0%	94.4%	3.4%	-0.6%	2.8%	Variable Improvement
HealthEast	93.2%	96.4%	96.0%	3.2%	-0.4%	2.8%	Variable Improvement
Mayo Clinic Health System - Austin	79.2%	73.7%	81.5%	-5.5%	7.8%	2.3%	Variable Improvement
Neighborhood Healthsource	95.9%	94.1%	98.0%	-1.8%	3.9%	2.1%	Variable Improvement
Glencoe Regional Health Services	79.5%	85.3%	81.4%	5.8%	-3.9%	1.9%	Variable Improvement
Affiliated Community Medical Centers	74.4%	65.6%	76.0%	-8.8%	10.4%	1.7%	Variable Improvement
Altru Health System	45.8%	44.8%	47.2%	-1.0%	2.3%	1.3%	Variable Improvement
Partners in Pediatrics	95.5%	92.7%	96.6%	-2.8%	3.9%	1.2%	Variable Improvement
WestHealth Urgent Care	97.2%	91.2%	97.3%	-6.0%	6.2%	0.1%	Variable Improvement
Essentia Health - East Region	67.8%	73.9%	67.6%	6.1%	-6.3%	-0.2%	Variable Decline
Lakeview Clinic, Ltd.	89.4%	92.0%	89.0%	2.6%	-3.0%	-0.3%	Variable Decline
Pediatric and Young Adult Medicine	100.0%	96.6%	99.2%	-3.4%	2.6%	-0.8%	Variable Decline
HealthPartners Clinics	96.0%	92.4%	95.1%	-3.6%	2.8%	-0.9%	Variable Decline
Buffalo Clinic	93.6%	89.4%	92.6%	-4.2%	3.2%	-1.0%	Variable Decline
Northwest Family Physicians	97.1%	94.9%	95.8%	-2.2%	1.0%	-1.2%	Variable Decline
Sanford Clinic	72.9%	70.4%	71.2%	-2.6%	0.9%	-1.7%	Variable Decline
Emergency Physicians	93.8%	95.5%	91.9%	1.7%	-3.6%	-1.9%	Variable Decline
South Lake Pediatrics	96.4%	98.4%	94.1%	2.1%	-4.3%	-2.2%	Variable Decline
Entira Family Clinics	84.3%	86.1%	80.7%	1.8%	-5.4%	-3.6%	Variable Decline
Mayo Clinic	82.5%	80.9%	76.6%	-1.6%	-4.3%	-5.9%	Variable Decline
Fairview Mesaba Clinics	63.6%	62.9%	56.0%	-0.7%	-6.9%	-7.6%	Variable Decline
Sanford Health Fargo	87.2%	87.8%	79.3%	0.6%	-8.5%	-7.9%	Variable Decline
Hennepin Faculty Associates & HMC Clinics	91.2%	89.9%	83.1%	-1.3%	-6.8%	-8.1%	Variable Decline
Quello Clinic	91.1%	91.1%	72.7%	0.0%	-18.3%	-18.3%	Variable Decline
Broadway Medical Center	55.6%	48.4%	37.8%	-7.2%	-10.6%	-17.8%	Consistently Decline
Mayo Clinic Health System - Owatonna	80.3%	74.7%	55.9%	-5.6%	-18.8%	-24.4%	Consistently Decline
University of Minnesota Physicians*	97.9%	94.9%	91.8%	-2.9%	-3.1%	-6.0%	Consistently Decline
Wadena Medical Center*	78.0%	69.8%	60.9%	-8.2%	-8.9%	-17.1%	Consistently Decline
West Side Community Health Services*	98.1%	95.7%	92.6%	-2.5%	-3.1%	-5.5%	Consistently Decline

* = $p_{\text{trend}} < 0.05$

**Table 32: Breast Cancer Screening -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Riverwood Aitkin Clinic*	69.7%	76.6%	84.5%	6.9%	7.9%	14.8%	Consistently Improved
CentraCare Health System	62.6%	67.2%	69.6%	4.7%	2.3%	7.0%	Consistently Improved
Alexandria Clinic	76.8%	75.8%	74.0%	-1.1%	-1.8%	-2.9%	Relatively Stable
Mayo Clinic Health System - Owatonna	75.2%	76.1%	75.3%	0.9%	-0.8%	0.1%	Relatively Stable
Entira Family Clinics	57.7%	64.8%	58.2%	7.1%	-6.6%	0.4%	Variable Improvement
Essentia Health - East Region	66.4%	63.6%	67.2%	-2.8%	3.6%	0.9%	Variable Improvement
HealthEast	61.9%	72.1%	63.4%	10.2%	-8.6%	1.5%	Variable Improvement
Essentia Health - Central Region	57.0%	56.8%	59.7%	-0.2%	2.9%	2.7%	Variable Improvement
Wadena Medical Center	60.9%	59.8%	63.9%	-1.2%	4.2%	3.0%	Variable Improvement
Paynesville Area Health Care System	65.7%	69.5%	69.0%	3.8%	-0.5%	3.3%	Variable Improvement
Family Practice Medical Center Of Willmar	76.7%	72.0%	80.4%	-4.7%	8.4%	3.7%	Variable Improvement
Mayo Clinic	74.5%	81.2%	78.8%	6.8%	-2.4%	4.4%	Variable Improvement
Sanford Clinic	59.0%	63.0%	63.9%	4.0%	0.9%	4.9%	Variable Improvement
Affiliated Community Medical Centers	62.2%	62.3%	67.4%	0.0%	5.1%	5.2%	Variable Improvement
Mayo Clinic Health System - Immanuel St. Joseph	74.2%	71.0%	79.6%	-3.1%	8.6%	5.5%	Variable Improvement
Stillwater Medical Group	48.8%	55.6%	55.0%	6.8%	-0.6%	6.2%	Variable Improvement
Mayo Clinic Health System - Albert Lea	62.0%	54.9%	70.3%	-7.1%	15.5%	8.4%	Variable Improvement
Lakewood Health Center	59.8%	57.7%	69.7%	-2.1%	12.0%	10.0%	Variable Improvement
United Family Medicine	45.2%	45.7%	55.7%	0.6%	10.0%	10.6%	Variable Improvement
Mille Lacs Clinics	68.9%	50.0%	53.1%	-18.9%	3.1%	-15.8%	Variable Decline
Mayo Clinic Health System - Austin	81.1%	67.3%	66.9%	-13.8%	-0.3%	-14.1%	Variable Decline
Glencoe Regional Health Services	76.7%	75.8%	64.7%	-0.9%	-11.1%	-12.0%	Variable Decline
North Clinic	81.1%	62.5%	69.2%	-18.6%	6.7%	-11.9%	Variable Decline
Central Lakes Medical Clinic - Integrity	74.4%	64.2%	62.7%	-10.2%	-1.6%	-11.7%	Variable Decline
Mankato Clinic	68.9%	56.1%	59.3%	-12.8%	3.2%	-9.6%	Variable Decline
Quello Clinic	84.4%	76.4%	75.0%	-8.0%	-1.4%	-9.4%	Variable Decline
Grand Itasca Clinic	75.7%	67.0%	67.0%	-8.7%	0.0%	-8.7%	Variable Decline
Hutchinson Medical Center	58.8%	62.2%	51.1%	3.4%	-11.1%	-7.7%	Variable Decline
Open Cities Health Center	50.0%	42.7%	42.9%	-7.3%	0.2%	-7.1%	Variable Decline
Broadway Medical Center	66.7%	56.8%	60.0%	-9.8%	3.2%	-6.7%	Variable Decline
Park Nicollet Health Services	75.8%	70.4%	69.3%	-5.5%	-1.1%	-6.5%	Variable Decline
Olmsted Medical Center	70.5%	61.5%	64.7%	-9.0%	3.2%	-5.8%	Variable Decline
Ridgeview Clinics	63.3%	59.3%	58.0%	-4.0%	-1.3%	-5.3%	Variable Decline
Lakeview Clinic, Ltd.	71.4%	60.3%	66.7%	-11.1%	6.4%	-4.8%	Variable Decline
Community University Health Care Center	62.5%	63.4%	57.8%	0.9%	-5.6%	-4.7%	Variable Decline
University of Minnesota Physicians	53.7%	49.6%	49.7%	-4.2%	0.2%	-4.0%	Variable Decline
Gateway Family Health Clinic	45.9%	49.4%	41.9%	3.5%	-7.5%	-4.0%	Variable Decline
HealthPartners Clinics	80.7%	77.8%	77.0%	-2.9%	-0.8%	-3.7%	Variable Decline
Altru Health System	65.6%	63.4%	62.1%	-2.2%	-1.3%	-3.4%	Variable Decline
Allina Health System	72.8%	65.1%	69.8%	-7.7%	4.6%	-3.1%	Variable Decline
Lake Region Medical Group PA	67.9%	65.7%	66.7%	-2.2%	1.0%	-1.2%	Variable Decline
Essentia Health - West Region	61.9%	57.9%	60.9%	-4.0%	3.0%	-1.0%	Variable Decline
West Side Community Health Services	50.0%	55.4%	49.2%	5.4%	-6.2%	-0.9%	Variable Decline
Gundersen Clinic	69.5%	66.7%	69.0%	-2.8%	2.3%	-0.5%	Variable Decline
Sanford Health Fargo	71.6%	67.2%	71.1%	-4.4%	3.9%	-0.4%	Variable Decline
Avera Medical Group	68.6%	57.6%	49.3%	-11.1%	-8.3%	-19.4%	Consistently Declined
Buffalo Clinic	76.8%	70.1%	59.4%	-6.7%	-10.7%	-17.4%	Consistently Declined
Mayo Clinic Health System - Fairmont	67.7%	64.6%	54.7%	-3.1%	-10.0%	-13.0%	Consistently Declined
Fairview Mesaba Clinics*	83.3%	78.5%	74.2%	-4.9%	-4.3%	-9.1%	Consistently Declined
Neighborhood Healthsource*	70.7%	58.0%	46.9%	-12.7%	-11.1%	-23.8%	Consistently Declined
Hennepin Faculty Associates & HCMC Clinics	71.0%	68.9%	64.8%	-2.1%	-4.1%	-6.2%	Consistently Declined
Multicare Associates of the Twin Cities	71.2%	66.9%	60.0%	-4.3%	-6.9%	-11.2%	Consistently Declined
North Memorial Clinic*	62.0%	56.0%	50.3%	-6.0%	-5.6%	-11.7%	Consistently Declined
NorthPoint Health and Wellness Center	77.4%	66.0%	60.0%	-11.5%	-6.0%	-17.4%	Consistently Declined
St. Luke's Clinics	70.4%	57.8%	53.6%	-12.7%	-4.2%	-16.9%	Consistently Declined
Winona Health	66.2%	56.9%	51.7%	-9.3%	-5.2%	-14.5%	Consistently Declined

* = $p_{trend} < 0.05$

**Table 33: Cervical Cancer Screening -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Foley Medical Center*	57.8%	66.0%	72.9%	8.3%	6.9%	15.1%	Consistently Improved
Grand Itasca Clinic	58.6%	73.2%	75.9%	14.7%	2.7%	17.3%	Consistently Improved
MinuteClinic	48.2%	62.7%	65.2%	14.5%	2.5%	17.0%	Consistently Improved
Unity Family Healthcare - Avon	60.0%	73.5%	75.8%	13.5%	2.2%	15.8%	Consistently Improved
Hennepin Faculty Associates & HCMC Clinics	74.9%	76.7%	75.8%	1.8%	-0.9%	0.9%	Relatively Stable
Mankato Clinic	78.4%	77.3%	76.4%	-1.2%	-0.8%	-2.0%	Relatively Stable
Allina Health System	72.7%	71.0%	72.0%	-1.7%	1.0%	-0.7%	Relatively Stable
Broadway Medical Center	67.9%	67.0%	66.2%	-0.9%	-0.8%	-1.7%	Relatively Stable
Mayo Clinic Health System - Faribault	78.5%	77.9%	78.8%	-0.6%	0.9%	0.3%	Relatively Stable
Familyhealth Medical Clinics	68.9%	69.7%	69.2%	0.8%	-0.4%	0.4%	Relatively Stable
Gundersen Clinic	67.9%	69.3%	68.6%	1.4%	-0.8%	0.7%	Relatively Stable
Essentia Health - West Region	72.8%	71.2%	69.3%	-1.6%	-1.9%	-3.6%	Relatively Stable
Sanford Health Fargo	73.9%	74.0%	72.9%	0.1%	-1.2%	-1.1%	Relatively Stable
United Family Medicine	75.0%	73.7%	72.6%	-1.3%	-1.1%	-2.4%	Relatively Stable
Wadena Medical Center	68.0%	67.0%	67.1%	-1.0%	0.1%	-0.8%	Relatively Stable
Winona Health	72.6%	71.0%	70.0%	-1.6%	-1.0%	-2.6%	Relatively Stable
Johnson Street Clinic	50.9%	64.3%	63.8%	13.4%	-0.5%	12.9%	Variable Improvement
Williams Integracare Clinic	58.8%	60.3%	71.2%	1.5%	11.0%	12.4%	Variable Improvement
Dr. Bobby K. Yang Medical Clinic	28.6%	48.9%	36.6%	20.3%	-12.3%	8.0%	Variable Improvement
Parkview Medical Clinic	60.6%	72.7%	68.3%	12.1%	-4.4%	7.7%	Variable Improvement
Dawson Clinic	80.0%	85.7%	86.8%	5.7%	1.1%	6.8%	Variable Improvement
CCMH-Montevideo Clinic	68.3%	77.1%	74.6%	8.9%	-2.6%	6.3%	Variable Improvement
Lakewood Health Center	58.6%	52.9%	64.7%	-5.7%	11.8%	6.1%	Variable Improvement
Apple Valley Medical Clinic	63.8%	68.2%	68.2%	4.5%	-0.1%	4.4%	Variable Improvement
HealthEast	71.0%	76.3%	75.3%	5.3%	-1.1%	4.2%	Variable Improvement
Planned Parenthood Of Minnesota, ND, SD	78.2%	88.5%	82.0%	10.3%	-6.5%	3.8%	Variable Improvement
ELEAH Medical Center	64.6%	67.8%	67.8%	3.2%	0.0%	3.2%	Variable Improvement
Kittson Memorial Clinic	67.6%	68.6%	70.7%	1.0%	2.2%	3.2%	Variable Improvement
Scenic Rivers Health Services	66.7%	64.7%	69.6%	-2.0%	4.9%	2.9%	Variable Improvement
Obstetrics & Gynecology Associates	91.5%	94.7%	93.8%	3.3%	-1.0%	2.3%	Variable Improvement
Southern Metro Medical Clinics	68.5%	61.1%	70.8%	-7.4%	9.6%	2.2%	Variable Improvement
Affiliated Community Medical Centers	75.2%	75.9%	77.4%	0.7%	1.5%	2.2%	Variable Improvement
North Clinic	76.1%	74.2%	78.2%	-2.0%	4.1%	2.1%	Variable Improvement
HealthPartners Clinics	80.2%	83.0%	82.2%	2.8%	-0.9%	2.0%	Variable Improvement
University of Minnesota Physicians	72.6%	77.0%	73.7%	4.4%	-3.3%	1.1%	Variable Improvement
Partners Ob/Gyn	94.4%	85.3%	95.5%	-9.2%	10.2%	1.0%	Variable Improvement
Cedar Riverside People's Center	57.3%	63.9%	57.7%	6.7%	-6.3%	0.4%	Variable Improvement
Bloomington Lake Clinic, Ltd.	73.4%	76.1%	73.8%	2.7%	-2.4%	0.3%	Variable Improvement
Mayo Clinic Health System - Lake City	69.2%	62.7%	69.4%	-6.5%	6.7%	0.2%	Variable Improvement
Indian Health Board of Minneapolis	71.4%	62.8%	71.0%	-8.6%	8.2%	-0.5%	Variable Decline
St. Paul Family Medical Center	58.0%	76.7%	57.4%	18.7%	-19.3%	-0.6%	Variable Decline
North Memorial Clinic	70.3%	72.9%	69.3%	2.7%	-3.7%	-1.0%	Variable Decline
HealthPartners Central Minnesota Clinics	82.1%	84.0%	81.0%	1.9%	-2.9%	-1.1%	Variable Decline
Mayo Clinic Health System - Franciscan Skemp	67.1%	64.2%	66.0%	-2.9%	1.8%	-1.1%	Variable Decline
Avera Medical Group	79.0%	74.7%	77.5%	-4.4%	2.9%	-1.5%	Variable Decline
Glenwood Medical Center	60.5%	60.8%	58.6%	0.3%	-2.2%	-1.9%	Variable Decline
Park Nicollet Health Services	77.6%	78.5%	75.6%	0.9%	-2.9%	-2.0%	Variable Decline
Riverwood Aitkin Clinic	72.8%	74.1%	70.7%	1.3%	-3.5%	-2.1%	Variable Decline
Fairview Mesaba Clinics	72.5%	65.6%	70.2%	-6.9%	4.7%	-2.2%	Variable Decline

* = $p_{\text{trend}} < 0.05$

Table 33: Cervical Cancer Screening -continued
Rate Changes for Reporting Years 2010-2012

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Mayo Clinic Health System - Immanuel St. Joseph	74.8%	70.8%	72.3%	-4.0%	1.5%	-2.5%	Variable Decline
Lake Region Medical Group PA	67.1%	64.5%	64.6%	-2.6%	0.0%	-2.6%	Variable Decline
Entira Family Clinics	74.3%	72.8%	71.6%	-1.5%	-1.2%	-2.7%	Variable Decline
West Side Community Health Services	70.9%	71.9%	68.0%	1.0%	-3.8%	-2.8%	Variable Decline
Hutchinson Medical Center	66.9%	66.5%	64.0%	-0.4%	-2.4%	-2.9%	Variable Decline
Mayo Clinic Health System - Albert Lea	63.1%	61.0%	60.2%	-2.1%	-0.8%	-2.9%	Variable Decline
Open Cities Health Center	68.3%	67.6%	65.2%	-0.7%	-2.3%	-3.0%	Variable Decline
Stillwater Medical Group	73.4%	70.5%	70.2%	-2.9%	-0.3%	-3.2%	Variable Decline
CentraCare Health System	81.6%	79.8%	78.2%	-1.8%	-1.7%	-3.5%	Variable Decline
Lakewood Health Center	79.3%	77.9%	75.6%	-1.4%	-2.3%	-3.7%	Variable Decline
Paynesville Area Health Care System	71.6%	70.0%	67.9%	-1.6%	-2.1%	-3.7%	Variable Decline
Mayo Clinic Health System - Fairmont	66.2%	67.2%	62.2%	1.0%	-5.0%	-4.0%	Variable Decline
Alexandria Clinic	79.2%	74.0%	74.8%	-5.2%	0.7%	-4.5%	Variable Decline
Family Practice Medical Center Of Willmar	83.2%	78.6%	78.8%	-4.6%	0.1%	-4.5%	Variable Decline
Mayo Clinic	76.7%	71.4%	72.3%	-5.3%	0.8%	-4.5%	Variable Decline
Neighborhood Healthsource	76.7%	77.6%	72.1%	1.0%	-5.5%	-4.5%	Variable Decline
Community University Health Care Center	75.0%	79.3%	70.3%	4.3%	-9.1%	-4.8%	Variable Decline
Sanford Clinic	76.2%	75.5%	71.1%	-0.6%	-4.4%	-5.0%	Variable Decline
NorthPoint Health and Wellness Center	73.5%	77.0%	68.4%	3.5%	-8.6%	-5.1%	Variable Decline
Mayo Clinic Health System - Owatonna	76.2%	70.0%	71.0%	-6.3%	1.0%	-5.2%	Variable Decline
Murray County Clinic	56.4%	57.8%	51.1%	1.4%	-6.7%	-5.4%	Variable Decline
Quello Clinic	83.1%	79.5%	77.7%	-3.6%	-1.8%	-5.4%	Variable Decline
Mid Minnesota Family Medicine Center	74.5%	65.0%	68.6%	-9.5%	3.6%	-5.9%	Variable Decline
Essentia Health - East Region	74.9%	67.0%	68.9%	-7.9%	2.0%	-5.9%	Variable Decline
United Hospital District Clinics	60.3%	48.2%	54.3%	-12.2%	6.2%	-6.0%	Variable Decline
Mille Lacs Clinics	67.8%	67.3%	61.6%	-0.4%	-5.7%	-6.1%	Variable Decline
Gateway Family Health Clinic	64.8%	59.5%	58.2%	-5.2%	-1.3%	-6.5%	Variable Decline
Lakeview Medical Clinic	80.0%	72.3%	73.4%	-7.7%	1.2%	-6.6%	Variable Decline
Lakeview Clinic, Ltd.	78.5%	72.9%	71.9%	-5.7%	-1.0%	-6.7%	Variable Decline
Mayo Clinic Health System - Austin	76.0%	70.1%	69.1%	-5.8%	-1.1%	-6.9%	Variable Decline
Multicare Associates of the Twin Cities	73.6%	74.0%	66.7%	0.4%	-7.4%	-7.0%	Variable Decline
St. Luke's Clinics	69.6%	61.0%	62.4%	-8.5%	1.3%	-7.2%	Variable Decline
John A. Haugen Assoc.	100.0%	91.7%	92.7%	-8.3%	1.0%	-7.3%	Variable Decline
Essentia Health - Brainerd Specialty Clinics	81.4%	86.1%	74.0%	4.7%	-12.1%	-7.4%	Variable Decline
Northwest Family Physicians	74.6%	74.4%	66.7%	-0.2%	-7.8%	-7.9%	Variable Decline
Edina Family Physicians	80.4%	89.6%	72.2%	9.1%	-17.4%	-8.3%	Variable Decline
Renville County Hospital And Clinics	73.3%	66.3%	64.7%	-7.1%	-1.5%	-8.6%	Variable Decline
Buffalo Clinic	78.1%	79.3%	68.9%	1.3%	-10.4%	-9.2%	Variable Decline
Ridgeview Clinics	71.6%	71.2%	60.5%	-0.4%	-10.7%	-11.1%	Variable Decline
Mayo Clinic Health System - Cannon Falls	68.4%	68.2%	54.6%	-0.2%	-13.6%	-13.9%	Variable Decline
Essentia Health - Central Region	62.0%	61.5%	46.9%	-0.5%	-14.6%	-15.1%	Variable Decline
Clearwater Health Services	75.0%	60.7%	59.2%	-14.3%	-1.5%	-15.8%	Variable Decline
Altru Health System	74.8%	72.7%	65.2%	-2.1%	-7.4%	-9.6%	Consistently Declined
Central Lakes Medical Clinic - Integrity	78.1%	75.0%	64.0%	-3.1%	-11.0%	-14.0%	Consistently Declined
Glencoe Regional Health Services	79.4%	76.8%	73.0%	-2.6%	-3.8%	-6.4%	Consistently Declined
Olmsted Medical Center	72.0%	69.9%	65.3%	-2.1%	-4.6%	-6.7%	Consistently Declined
Riverview Clinics	67.0%	56.1%	51.7%	-10.8%	-4.4%	-15.3%	Consistently Declined
Southside Community Health Services	70.5%	63.0%	60.2%	-7.4%	-2.8%	-10.2%	Consistently Declined
Stevens Community Medical Center - Morris	71.4%	61.6%	58.1%	-9.8%	-3.5%	-13.3%	Consistently Declined

* = $p_{\text{trend}} < 0.05$

**Table 34: Chlamydia Screening in Women -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Face to Face Health & Counseling*	81.2%	84.2%	86.5%	3.0%	2.3%	5.3%	Consistently Improved
HealthPartners Central Minnesota Clinics*	59.0%	66.7%	71.1%	7.7%	4.5%	12.2%	Consistently Improved
West Side Community Health Services	44.4%	64.3%	66.4%	19.9%	2.1%	22.0%	Consistently Improved
Broadway Medical Center	27.6%	37.5%	42.1%	9.9%	4.6%	14.5%	Consistently Improved
Mayo Clinic Health System - Faribault	51.4%	56.5%	65.6%	5.2%	9.1%	14.3%	Consistently Improved
Mayo Clinic Health System - Fairmont	27.8%	50.0%	65.7%	22.2%	6.7%	28.9%	Consistently Improved
Fairview Mesaba Clinics*	47.6%	55.8%	62.9%	8.3%	7.1%	15.3%	Consistently Improved
Lake Region Medical Group PA*	39.0%	45.2%	50.0%	6.2%	4.8%	11.0%	Consistently Improved
North Clinic*	48.8%	59.3%	68.5%	10.5%	9.3%	19.7%	Consistently Improved
Paynesville Area Health Care System	34.0%	37.1%	54.9%	3.1%	17.8%	20.9%	Consistently Improved
Wadena Medical Center*	16.7%	25.0%	32.3%	8.3%	7.3%	15.6%	Consistently Improved
NorthPoint Health and Wellness Center	82.6%	82.4%	81.4%	-0.2%	-1.0%	-1.2%	Relatively Stable
Park Nicollet Health Services	67.8%	67.0%	66.6%	-0.9%	-0.4%	-1.3%	Relatively Stable
Gateway Family Health Clinic	47.4%	47.3%	47.1%	-0.1%	-0.2%	-0.2%	Relatively Stable
Gundersen Clinic	61.0%	59.6%	59.5%	-1.4%	-0.1%	-1.5%	Relatively Stable
Hutchinson Medical Center	42.2%	42.9%	41.3%	0.7%	-1.5%	-0.9%	Relatively Stable
Dr. Bobby K. Yang Medical Clinic	50.0%	75.9%	70.2%	25.9%	-5.7%	20.2%	Variable Improvement
HealthEast	59.1%	76.7%	73.8%	17.6%	-3.0%	14.7%	Variable Improvement
Riverwood Aitkin Clinic	40.8%	41.4%	52.7%	0.6%	11.4%	11.9%	Variable Improvement
Avera Medical Group	35.1%	46.1%	46.1%	11.0%	0.0%	11.0%	Variable Improvement
Buffalo Clinic	52.0%	49.6%	61.1%	-2.4%	11.6%	9.1%	Variable Improvement
Sanford Clinic	40.7%	47.4%	47.9%	6.7%	0.5%	7.1%	Variable Improvement
CentraCare Health System	54.7%	67.6%	59.9%	12.9%	-7.6%	5.3%	Variable Improvement
Central Lakes Medical Clinic - Integrity	39.3%	40.7%	44.4%	1.4%	3.7%	5.1%	Variable Improvement
University of Minnesota Physicians	64.0%	71.0%	69.1%	7.0%	-1.9%	5.1%	Variable Improvement
Glencoe Regional Health Services	53.2%	47.2%	56.8%	-6.0%	9.6%	3.6%	Variable Improvement
Mayo Clinic Health System - Owatonna	49.6%	38.7%	52.8%	-10.8%	14.0%	3.2%	Variable Improvement
HealthPartners Clinics	76.5%	76.7%	79.6%	0.2%	2.9%	3.2%	Variable Improvement
Neighborhood Healthsource	78.7%	81.0%	81.7%	2.3%	0.7%	3.0%	Variable Improvement
Altru Health System	32.3%	27.2%	35.2%	-5.1%	8.0%	2.9%	Variable Improvement
Community University Health Care Center	62.8%	69.0%	64.7%	6.2%	-4.3%	1.9%	Variable Improvement

**Table 34: Chlamydia Screening in Women -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Alexandria Clinic	27.3%	29.8%	28.2%	2.6%	-1.7%	0.9%	Variable Improvement
Mayo Clinic Health System - Austin	52.5%	48.7%	53.0%	-3.8%	4.3%	0.5%	Variable Improvement
Riverview Clinics	33.3%	45.7%	33.3%	12.4%	-12.4%	0.0%	Variable
Children's Hospital Clinics Mpls, St. Paul, Tams, PACE	61.2%	76.0%	61.1%	14.8%	-14.9%	-0.1%	Variable Decline
Essentia Health - East Region	55.3%	51.8%	54.8%	-3.5%	3.0%	-0.4%	Variable Decline
Allina Health System	64.8%	59.4%	63.7%	-5.4%	4.3%	-1.0%	Variable Decline
Mayo Clinic Health System - Albert Lea	55.7%	53.2%	54.3%	-2.5%	1.2%	-1.3%	Variable Decline
Mid Minnesota Family Medicine Center	57.1%	53.9%	54.3%	-3.3%	0.4%	-2.9%	Variable Decline
Hennepin Faculty Associates & HCMC Clinics	82.7%	79.6%	79.5%	-3.1%	-0.1%	-3.2%	Variable Decline
Open Cities Health Center	71.0%	77.7%	67.7%	6.7%	-10.0%	-3.3%	Variable Decline
North Memorial Clinic	69.4%	64.0%	65.9%	-5.4%	1.9%	-3.5%	Variable Decline
Affiliated Community Medical Centers	55.3%	60.2%	51.4%	4.9%	-8.7%	-3.8%	Variable Decline
Quello Clinic	59.1%	49.1%	54.7%	-10.0%	5.6%	-4.4%	Variable Decline
Sanford Health Fargo	32.7%	37.3%	28.3%	4.6%	-9.0%	-4.4%	Variable Decline
Olmsted Medical Center	51.7%	43.4%	47.3%	-8.4%	3.9%	-4.5%	Variable Decline
Mankato Clinic	56.0%	60.1%	50.6%	4.1%	-9.5%	-5.4%	Variable Decline
Mayo Clinic Health System - Immanuel St. Joseph	53.3%	54.2%	47.6%	1.0%	-6.7%	-5.7%	Variable Decline
St. Luke's Clinics	59.5%	53.0%	53.4%	-6.5%	0.4%	-6.1%	Variable Decline
Grand Itasca Clinic	58.9%	48.7%	52.4%	-10.2%	3.7%	-6.5%	Variable Decline
Essentia Health - West Region	44.4%	36.1%	36.1%	-8.3%	0.0%	-8.3%	Variable Decline
Planned Parenthood Of Minnesota, ND, SD	64.2%	63.6%	55.2%	-0.6%	-8.4%	-8.9%	Variable Decline
Essentia Health - Central Region	44.6%	43.8%	29.0%	-0.8%	-14.8%	-15.6%	Variable Decline
Lakewood Health Center	42.5%	15.5%	21.4%	-27.0%	5.9%	-21.1%	Variable Decline
Family Practice Medical Center Of Willmar	61.1%	56.9%	54.2%	-4.3%	-2.7%	-6.9%	Consistently Declined
Lakeview Clinic, Ltd.*	75.0%	63.2%	50.8%	-11.8%	-12.4%	-24.2%	Consistently Declined
Mayo Clinic*	60.7%	56.1%	50.3%	-4.6%	-5.8%	-10.4%	Consistently Declined
Multicare Associates of the Twin Cities*	59.6%	56.6%	53.3%	-2.9%	-3.4%	-6.3%	Consistently Declined
Stillwater Medical Group	60.8%	56.7%	45.1%	-4.1%	-11.7%	-15.7%	Consistently Declined
United Family Medicine	73.7%	71.2%	65.8%	-2.5%	-5.4%	-7.9%	Consistently Declined
Winona Health	53.5%	43.1%	38.8%	-10.4%	-4.2%	-14.7%	Consistently Declined

**Table 35: Childhood Immunization Status (Combination 3) -
Rate Changes for Reporting Years 2010-2012**

Medical Group Name	2010 MHCP Rate	2011 MHCP Rate	2012 MHCP Rate	Change (2011-2010)	Change (2012-2011)	Change (2012-2010)	Change Pattern (2010-2012)
Affiliated Community Medical Centers	74.6%	76.7%	88.8%	2.1%	12.1%	14.2%	Consistently Improved
Pediatric and Young Adult Medicine	75.8%	80.1%	86.3%	4.3%	6.2%	10.5%	Consistently Improved
CentraCare Health System	81.6%	82.5%	80.7%	0.9%	-1.8%	-0.9%	Relatively Stable
HealthEast	87.7%	86.3%	85.2%	-1.4%	-1.1%	-2.6%	Relatively Stable
HealthPartners Clinics	82.4%	82.6%	83.6%	0.2%	1.0%	1.2%	Relatively Stable
West Side Community Health Services	66.4%	67.0%	67.4%	0.6%	0.4%	1.0%	Relatively Stable
Mayo Clinic Health System - Owatonna	67.2%	59.4%	78.9%	-7.8%	19.4%	11.7%	Variable Improvement
Sanford Health Fargo	74.6%	67.3%	82.7%	-7.3%	15.5%	8.2%	Variable Improvement
Essentia Health - West Region	70.8%	66.3%	77.6%	-4.5%	11.3%	6.8%	Variable Improvement
Entira Family Clinics	76.3%	73.0%	80.0%	-3.3%	7.0%	3.8%	Variable Improvement
Partners in Pediatrics	75.0%	85.4%	76.3%	10.4%	-9.1%	1.3%	Variable Improvement
Olmsted Medical Center	84.5%	77.1%	84.5%	-7.4%	7.4%	0.1%	Variable Improvement
Buffalo Clinic	65.4%	68.7%	64.9%	3.4%	-3.8%	-0.4%	Variable Decline
Essentia Health - East Region	77.1%	78.6%	75.5%	1.5%	-3.1%	-1.6%	Variable Decline
Mayo Clinic	87.6%	83.4%	85.2%	-4.3%	1.8%	-2.4%	Variable Decline
Sanford Clinic	84.1%	76.5%	80.4%	-7.6%	3.9%	-3.7%	Variable Decline
Fridley Children's & Teenagers' Medical Center	86.9%	80.7%	82.7%	-6.2%	2.0%	-4.2%	Variable Decline
University of Minnesota Physicians	75.9%	57.2%	70.0%	-18.7%	12.8%	-5.9%	Variable Decline
Avera Medical Group	84.7%	72.6%	78.5%	-12.0%	5.9%	-6.2%	Variable Decline
Park Nicollet Health Services	86.0%	71.9%	77.6%	-14.1%	5.7%	-8.4%	Variable Decline
Grand Itasca Clinic	89.1%	66.3%	80.3%	-22.9%	14.0%	-8.9%	Variable Decline
United Family Medicine	80.3%	70.5%	65.9%	-9.9%	-4.6%	-14.5%	Consistently Declined

Appendix 5: Purchaser Performance Rate Differences

Statistical Methods for Analysis of Purchaser Performance Rate Differences

An analysis was conducted to assess whether a gap between purchasers within a medical group was present and whether the gap was statistically significant. Medical groups were included in the analysis if both purchaser categories met the minimum reporting requirements for a measure. Therefore, for administrative measures, a medical group was included in the analysis if each purchaser category had at least 30 patients. For the hybrid measures, a medical group was included if each purchaser category had at least 60 patients. Assessment was made at the clinic level for the six Direct Data Submission measures: Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Ages 5-17, Optimal Asthma Care - Ages 18-50, and Colorectal Cancer Screening. For these six measures, a clinic was included in the analysis if each purchaser category had at least 30 patients. The t-test was used to determine if gaps found between purchasers at the medical group level were statistically significant. The p-value of less than 0.05 included in this report is unadjusted for multiple test differences.

A second analysis was conducted examining the 95 percent confidence interval around the rate for medical groups/or clinics and comparing it to the 95 percent confidence interval around the statewide rate. It was determined that medical groups/or clinics that had a rate and confidence interval that fell outside the statewide confidence interval had a purchaser gap that was significantly different from the statewide purchaser gap. Significance was designated at a p-value less than 0.05.

Optimal Diabetes Care

One hundred eighty-two clinics met the minimum reporting requirement of at least 30 patients per purchaser group for this analysis. The purchaser performance rate gap at the statewide level was 15 percentage points and is statistically significant. This means that the Optimal Diabetes Care statewide rate for MHCP patients (26 percent) was significantly lower than that of Other Purchasers (41 percent).

One hundred seventy-one of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, 77 had significant gaps between purchasers (see Column 5). This means that 77 clinics had significantly lower MHCP performance rates compared to Other Purchasers. Eleven of the clinics had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4).

We also assessed whether the value of the gap between purchasers at a clinic level was significantly different than the gap at the statewide level. Three clinics had a significantly bigger purchaser gap than the statewide gap; 23 clinics had a significantly smaller purchaser gap than the statewide gap and of the 23, 11 of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

The 10 clinics listed below in alphabetical order had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (26%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (15%). Table 36 summarizes these findings.

- Allina Health System - New Ulm Medical Center
- Allina Medical Clinic - West Health Campus
- Buffalo Clinic P.A. - Buffalo Clinic
- CentraCare Health Plaza - Family Medicine
- Essentia Health - Spooner Clinic
- Fairview Crosstown Clinic
- Mayo Clinic Health System Lake City
- Park Nicollet Clinic - Eagan
- Park Nicollet Clinic - Shakopee
- United Hospital District Clinic

Table 36: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Optimal Diabetes Care (Clinic Level)

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	25.8%	40.7%	14.9%	Y	
Affiliated Community Medical Centers - Benson Clinic	18.8%	37.2%	18.5%	Y	.
Affiliated Community Medical Centers - Litchfield Clinic (East)	43.2%	55.0%	11.8%	.	.
Affiliated Community Medical Centers - Litchfield Clinic (West)	27.3%	37.7%	10.5%	.	.
Affiliated Community Medical Centers - Marshall Clinic	33.8%	44.1%	10.3%	.	.
Affiliated Community Medical Centers - Redwood Falls Clinic	29.6%	41.7%	12.2%	.	.
Affiliated Community Medical Centers - Willmar Clinic	32.1%	46.3%	14.2%	Y	.
Alexandria Clinic, A Service of Douglas County Hospital	22.3%	30.2%	7.9%	.	.
Allina Health System - New Ulm Medical Center	39.5%	39.5%	-0.1%	.	<
Allina Medical Clinic - Buffalo	46.6%	55.2%	8.6%	.	.
Allina Medical Clinic - Cambridge Medical Center	32.1%	42.5%	10.4%	Y	.
Allina Medical Clinic - Champlin	33.3%	53.0%	19.7%	Y	.
Allina Medical Clinic - Coon Rapids	37.0%	52.5%	15.5%	Y	.
Allina Medical Clinic - Cottage Grove	42.1%	49.8%	7.7%	.	.
Allina Medical Clinic - Eagan	48.2%	58.3%	10.1%	.	.
Allina Medical Clinic - Edina	36.5%	51.5%	15.0%	Y	.
Allina Medical Clinic - Elk River	18.9%	46.5%	27.6%	Y	.
Allina Medical Clinic - Faribault	38.1%	46.0%	7.8%	.	.
Allina Medical Clinic - Forest Lake	31.8%	50.1%	18.3%	Y	.
Allina Medical Clinic - Hastings (W First St)	23.7%	46.9%	23.1%	Y	.
Allina Medical Clinic - Isles	37.2%	49.1%	11.9%	.	.
Allina Medical Clinic - Nicollet Mall	39.1%	49.0%	9.9%	.	.
Allina Medical Clinic - Northfield	43.8%	50.5%	6.8%	.	.
Allina Medical Clinic - Ramsey	51.4%	53.8%	2.4%	.	.
Allina Medical Clinic - Shakopee	40.4%	46.7%	6.4%	.	.
Allina Medical Clinic - Shoreview	30.3%	51.2%	20.9%	Y	.
Allina Medical Clinic - The Doctors Uptown	53.3%	54.4%	1.1%	.	.
Allina Medical Clinic - United Medical Specialties	30.0%	48.2%	18.2%	Y	.
Allina Medical Clinic - West Health Campus	53.7%	50.0%	-3.7%	.	<
Allina Medical Clinic - West St. Paul	38.3%	53.5%	15.2%	Y	.
Allina Medical Clinic - Woodbury	26.8%	48.2%	21.4%	Y	.
Allina Medical Clinic - Woodlake	41.5%	43.5%	1.9%	.	.
Apple Valley Medical Clinic - Family Practice	28.2%	49.9%	21.8%	Y	.
Aspen Medical Group - Bandana Square	27.5%	42.5%	15.0%	Y	.
Aspen Medical Group - Bloomington	29.8%	37.6%	7.8%	.	.
Aspen Medical Group - East Lake Street	25.6%	38.2%	12.6%	.	.
Aspen Medical Group - Inver Grove Heights	26.7%	36.9%	10.2%	.	.
Aspen Medical Group - Maplewood	34.7%	36.1%	1.5%	.	<
Bloomington Lake Clinic - Xerxes	20.8%	37.7%	16.8%	Y	.
Buffalo Clinic P.A. - Monticello Clinic	17.1%	23.7%	6.7%	.	.
Buffalo Clinic P.A.- Buffalo Clinic	28.6%	25.2%	-3.4%	.	<
CentraCare - Heartland	23.8%	40.8%	17.0%	Y	.
CentraCare Health Plaza-Endocrinology	9.6%	28.4%	18.8%	Y	.
CentraCare Health Plaza-Family Medicine	34.2%	33.1%	-1.1%	.	<
CentraCare Health System Long Prairie	21.4%	32.1%	10.6%	.	.
CentraCare River Campus-Internal Medicine	27.6%	46.1%	18.5%	Y	.
Community-University Health Care Center	22.6%	24.7%	2.2%	.	<
Entira Family Clinics - East Side	32.5%	54.1%	21.6%	Y	.
Entira Family Clinics - North St. Paul	34.2%	46.2%	12.0%	.	.
Essentia Health - Ashland Clinic	32.3%	41.4%	9.1%	.	.
Essentia Health - Deer River Clinic	34.3%	48.2%	13.9%	.	.
Essentia Health - Duluth Clinic	22.5%	28.5%	6.1%	.	.
Essentia Health - Duluth Clinic 1st St	29.1%	45.8%	16.7%	Y	.
Essentia Health - Ely Clinic	29.6%	46.0%	16.4%	.	.
Essentia Health - Hayward Clinic	29.2%	46.6%	17.4%	Y	.
Essentia Health - Hermantown Clinic	31.0%	44.2%	13.3%	.	.
Essentia Health - Hibbing Clinic	34.2%	39.6%	5.5%	.	.
Essentia Health - Spooner Clinic	46.9%	42.2%	-4.7%	.	<
Essentia Health - St. Mary's-Superior Clinic	29.6%	40.7%	11.1%	.	.
Essentia Health - Virginia Clinic	19.4%	34.4%	15.0%	Y	.
Essentia Health - West Duluth Clinic	35.4%	48.2%	12.7%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 36: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Optimal Diabetes Care (Clinic Level)- *continued*

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	25.8%	40.7%	14.9%	Y	
Fairview Andover Clinic	30.0%	45.5%	15.5%	.	.
Fairview Blaine Clinic	25.8%	41.8%	15.9%	.	.
Fairview Brooklyn Park Clinic	37.6%	41.7%	4.0%	.	<
Fairview CedarRidge Clinic	35.8%	41.5%	5.7%	.	.
Fairview Columbia Heights Clinic	27.9%	36.3%	8.4%	.	.
Fairview Crosstown Clinic	48.5%	44.9%	-3.6%	.	<
Fairview Eagan Clinic	34.2%	52.2%	18.0%	Y	.
Fairview EdenCenter Clinic	38.3%	48.2%	9.9%	.	.
Fairview Elk River Clinic	32.7%	37.2%	4.6%	.	.
Fairview Fridley Clinic	30.7%	41.4%	10.7%	.	.
Fairview Hiawatha Clinic	31.3%	41.1%	9.8%	.	.
Fairview Lakes Medical Center	22.9%	41.4%	18.5%	Y	.
Fairview Milaca Clinic	31.3%	42.5%	11.2%	.	.
Fairview Northeast Clinic	25.0%	41.4%	16.4%	Y	.
Fairview Oxboro Clinic	37.2%	56.6%	19.3%	Y	.
Fairview Princeton Clinic	30.1%	38.6%	8.5%	.	.
Fairview Red Wing Medical Center	25.4%	40.3%	14.9%	Y	.
Fairview Ridges Clinic	25.5%	48.7%	23.2%	Y	.
Family Medical Center	21.1%	28.6%	7.6%	.	.
Family Practice Medical Center of Willmar	32.7%	46.4%	13.7%	.	.
FirstLight Health System - Mora	33.8%	46.5%	12.7%	.	.
Gateway Family Health Clinic - Moose Lake	16.7%	28.2%	11.6%	.	.
HealthEast - Grand Avenue	24.5%	39.1%	14.6%	.	.
HealthEast - Maplewood	27.3%	41.4%	14.1%	.	.
HealthEast - Midway	36.4%	51.4%	15.0%	.	.
HealthEast - Oakdale	28.6%	40.5%	12.0%	.	.
HealthEast - Rice Street	30.1%	37.7%	7.6%	.	.
HealthEast - Roselawn	24.8%	32.6%	7.9%	.	.
HealthEast - Woodbury	44.7%	46.5%	1.7%	.	.
HealthPartners - Adult & Seniors Health	30.3%	44.6%	14.3%	Y	.
HealthPartners - Andover	46.9%	49.1%	2.3%	.	.
HealthPartners - Anoka	25.3%	46.8%	21.4%	Y	.
HealthPartners - Apple Valley	23.2%	45.9%	22.6%	Y	.
HealthPartners - Arden Hills	26.7%	53.0%	26.3%	Y	.
HealthPartners - Bloomington	31.0%	47.7%	16.7%	Y	.
HealthPartners - Brooklyn Center	23.4%	49.1%	25.7%	Y	>
HealthPartners - Como	27.9%	48.3%	20.4%	Y	.
HealthPartners - Coon Rapids	33.0%	48.9%	15.9%	Y	.
HealthPartners - Ctr for Internatl Hlth	38.9%	42.6%	3.7%	.	.
HealthPartners - Elk River	31.3%	49.7%	18.4%	Y	.
HealthPartners - Inver Grove Heights	25.8%	43.8%	18.0%	.	.
HealthPartners - Maplewood	23.4%	48.0%	24.6%	Y	.
HealthPartners - Midway	35.5%	44.5%	9.0%	.	.
HealthPartners - Riverside	30.8%	44.4%	13.5%	Y	.
HealthPartners - Specialty Center 401	11.1%	40.1%	29.0%	Y	>
HealthPartners - St Paul	23.5%	43.0%	19.5%	Y	.
HealthPartners - West	31.6%	42.1%	10.5%	.	.
HealthPartners - Woodbury	32.9%	45.6%	12.7%	Y	.
HealthPartners Central Minnesota Clinics	27.8%	50.7%	22.9%	Y	.
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Center	24.0%	30.5%	6.5%	.	.
Hennepin County Medical Center (HCMC) Clinics - Downtown	12.3%	13.4%	1.1%	.	<
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	15.1%	18.9%	3.9%	.	.
HCMC Clinics - Hennepin Center for Diabetes & Endocrinology	11.7%	25.6%	14.0%	Y	.
HCMC Clinics - Internal Medicine Clinic at Parkside	20.0%	31.1%	11.1%	.	.
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	14.1%	29.1%	15.0%	Y	.
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	11.2%	16.9%	5.7%	.	.
Hutchinson Medical Center	32.7%	34.0%	1.3%	.	<
LakeWood Health Center Clinic	11.4%	13.2%	1.7%	.	<
Mankato Clinic - Main Street	31.3%	38.7%	7.4%	.	.
Mayo Clinic - Baldwin Building, Family Medicine	25.0%	43.5%	18.5%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 36: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Optimal Diabetes Care (Clinic Level)- *continued*

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	25.8%	40.7%	14.9%	Y	
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	29.3%	42.5%	13.2%	Y	.
Mayo Clinic - Kasson	42.0%	45.4%	3.4%	.	.
Mayo Clinic - Speciality Practice	20.7%	32.4%	11.7%	Y	.
Mayo Clinic Health System Albert Lea	16.3%	29.1%	12.8%	Y	.
Mayo Clinic Health System Austin	23.2%	34.9%	11.6%	Y	.
Mayo Clinic Health System Fairmont	26.5%	35.5%	9.0%	.	.
Mayo Clinic Health System Lake City	50.0%	47.0%	-3.0%	.	<
Mayo Clinic Health System Mankato Eastridge	43.2%	56.9%	13.7%	.	.
Mayo Clinic Health System Mankato Specialty Clinic	16.7%	40.8%	24.1%	Y	.
Mayo Clinic Health System Owatonna	30.7%	45.5%	14.8%	Y	.
Mid Minnesota Family Medicine Center	20.9%	30.7%	9.8%	.	.
North Memorial - Silver Lake Clinic St. Anthony	25.0%	38.5%	13.5%	.	.
North Memorial Clinic - Brooklyn Center Physicians	24.0%	37.9%	13.9%	.	.
North Memorial Clinic - Brooklyn Park Physicians	28.4%	39.1%	10.7%	.	.
North Memorial Clinic - Golden Valley Physicians	23.3%	39.9%	16.6%	Y	.
NorthPoint Health & Wellness Center	15.1%	16.9%	1.8%	.	<
Northwest Family Physicians - Crystal	29.2%	47.7%	18.5%	Y	.
Olmsted Medical Center - Rochester Southeast	22.0%	35.2%	13.2%	Y	.
Park Nicollet Clinic - Bloomington	40.0%	45.3%	5.3%	.	.
Park Nicollet Clinic - Brookdale	32.0%	48.4%	16.4%	Y	.
Park Nicollet Clinic - Burnsville	44.3%	57.1%	12.9%	Y	.
Park Nicollet Clinic - Chanhasen	22.2%	53.8%	31.6%	Y	>
Park Nicollet Clinic - Eagan	53.9%	52.0%	-1.9%	.	<
Park Nicollet Clinic - Maple Grove	39.0%	59.0%	20.0%	Y	.
Park Nicollet Clinic - Minneapolis	24.1%	41.6%	17.4%	Y	.
Park Nicollet Clinic - Plymouth	43.8%	54.2%	10.4%	.	.
Park Nicollet Clinic - Shakopee	47.3%	46.3%	-0.9%	.	<
Park Nicollet Clinic - St. Louis Park Endocrinology	17.8%	37.0%	19.2%	Y	.
Park Nicollet Clinic - St. Louis Park Family Medicine	43.1%	53.7%	10.6%	Y	.
Park Nicollet Clinic - St. Louis Park Internal Medicine	42.3%	57.2%	15.0%	Y	.
Park Nicollet Clinic - Wayzata	36.7%	53.7%	17.0%	.	.
Quello Clinic - Burnsville	42.4%	51.7%	9.3%	.	.
Quello Clinic - Edina	30.3%	55.5%	25.2%	Y	.
Rainy Lake Medical Center	26.9%	42.8%	15.9%	Y	.
Sanford Bemidji 1611 Anne St Clinic	19.2%	32.5%	13.3%	.	.
Sanford Bemidji Main Clinic Family Medicine	16.9%	35.6%	18.7%	Y	.
Sanford Bemidji Main Clinic Internal Medicine	27.3%	42.9%	15.6%	Y	.
Sanford Broadway Internal Medicine Clinic	19.4%	42.7%	23.2%	Y	.
Sanford Detroit Lakes Clinic	16.8%	33.8%	17.0%	Y	.
Sanford Luverne Clinic	21.6%	28.1%	6.4%	.	.
Sanford Perham Clinic	12.8%	36.0%	23.2%	Y	.
Sanford South Moorhead Family Medicine	28.6%	38.7%	10.1%	.	.
Sanford South Moorhead Internal Medicine	34.8%	46.2%	11.4%	.	.
Sanford Southpointe Family Medicine	24.4%	36.3%	11.9%	.	.
Sanford Southpointe Internal Medicine	33.3%	38.7%	5.3%	.	.
Sanford Wahpeton Clinic	16.3%	31.5%	15.2%	Y	.
Sanford Worthington Clinic	25.8%	31.4%	5.6%	.	.
Scenic Rivers Health Services - Bigfork/Big Falls	6.7%	37.2%	30.5%	Y	.
St Luke's Clinics-Chequamegon Clinic	19.4%	21.5%	2.2%	.	<
St Luke's Clinics-Endocrinology Associates	15.2%	23.8%	8.6%	.	.
St Luke's Clinics-Internal Medicine Associates	25.7%	27.1%	1.3%	.	<
Stillwater Medical Group - Curve Crest Clinic	26.7%	44.0%	17.3%	Y	.
United Hospital District Clinic	27.8%	21.0%	-6.8%	.	<
University of Minnesota Physicians - Bethesda Clinic	31.4%	34.7%	3.2%	.	.
University of Minnesota Physicians - Broadway Family Medicine	19.2%	10.9%	-8.3%	.	<
University of Minnesota Physicians - Medicine Specialties Clinic 6A	16.0%	26.7%	10.7%	Y	.
University of Minnesota Physicians - Phalen Clinic	25.0%	26.5%	1.5%	.	<
University of Minnesota Physicians - Primary Care Center	20.0%	33.5%	13.5%	Y	.
University of Minnesota Physicians - Smiley's Clinic	31.3%	43.0%	11.8%	.	.
Western Wisconsin Medical Associates - New Richmond Clinic	27.7%	38.2%	10.6%	.	.
Winona Health - Family Medicine	16.3%	19.7%	3.4%	.	<
Winona Health - Winona Clinic	22.6%	24.0%	1.4%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Optimal Vascular Care

Twenty-one clinics met the minimum reporting requirement of at least 30 patients per purchaser group for this analysis. The purchaser performance rate gap at the statewide level was 19 percentage points and is statistically significant. This means that the Optimal Vascular Care statewide rate for MHCP patients (34 percent) was significantly lower than that of Other Purchasers (53 percent).

Eighteen of the clinics had rates for MHCP patients that were lower than Other Purchasers; nine of these clinics had a significant gap between purchasers (see Column 5). This means that these clinics had a significantly lower MHCP performance rate compared to Other Purchasers. Three clinics had a rate that was higher for MHCP patients than Other Purchasers (designated with a negative sign in Column 4).

We also assessed whether the gap between purchasers at a clinic level was significantly different than the gap at the statewide level. Five clinics had a bigger purchaser gap than the gap at the statewide level, but for all five clinics this gap was not significantly bigger than the statewide gap; six clinics had a significantly smaller purchaser gap than the statewide gap (see Column 6).

One clinic – **Allina Medical Clinic - Coon Rapids** – had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (34%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (19%). Table 37 summarizes these findings.

Table 37: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Optimal Vascular Care (Clinic Level)

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	34.4%	53.0%	18.6%	Y	
Alexandria Clinic, A Service of Douglas County Hospital	37.5%	41.6%	4.1%	.	<
Allina Health System - Metro. Heart & Vascular Inst. Coon Rapids	52.7%	58.1%	5.5%	.	<
Allina Health System - Minneapolis Heart Institute ANW	40.0%	56.8%	16.8%	Y	.
Allina Health System - New Ulm Medical Center	41.9%	65.1%	23.2%	Y	.
Allina Health System - United Heart and Vascular Clinic	47.4%	60.7%	13.3%	.	.
Allina Medical Clinic - Buffalo	54.8%	58.1%	3.3%	.	.
Allina Medical Clinic - Cambridge Medical Center	35.1%	59.0%	23.9%	Y	.
Allina Medical Clinic - Coon Rapids	61.5%	57.9%	-3.5%	.	<
CentraCare River Campus-CentraCare Heart & Vascular Center	10.5%	23.8%	13.3%	.	.
Essentia Health - Duluth Clinic Main	28.3%	43.7%	15.4%	Y	.
HealthPartners - Adult & Seniors Health	36.4%	56.9%	20.5%	Y	.
HealthPartners - Brooklyn Center	30.3%	67.2%	36.9%	Y	.
HealthPartners - Regions Specialty Ctr	38.6%	63.6%	25.0%	Y	.
Hennepin County Medical Center (HCMC) Clinics - Downtown	26.6%	25.5%	-1.1%	.	<
Hennepin County Med. Cntr (HCMC) Clinics - Hennepin Heart Cntr	33.3%	32.3%	-1.1%	.	<
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	47.8%	59.0%	11.2%	.	.
Mayo Clinic - Speciality Practice	37.9%	56.8%	18.8%	Y	.
Mayo Clinic Health System Albert Lea	39.5%	57.2%	17.7%	Y	.
Sanford Detroit Lakes Clinic	36.1%	44.9%	8.8%	.	.
St Luke's Clinics-Cardiology Associates	33.3%	42.7%	9.4%	.	.
University of Minnesota Heart - University Clinic	35.6%	38.9%	3.3%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Depression Care Remission at Six Months

One hundred forty-three clinics met the minimum reporting requirement of at least 30 patients per purchaser group for this analysis. The purchaser performance rate gap at the statewide level was about four percentage points and is statistically significant. This means that the Depression Remission at Six Months statewide rate for MHCP patients (4 percent) was significantly lower than that of Other Purchasers (7 percent).

One hundred seven of the clinics had rates for MHCP patients that were lower than Other Purchasers; seven of these clinics had a significant gap between purchasers (see Column 5). This means that these seven clinics had significantly lower MHCP performance rates compared to Other Purchasers. Thirty clinics had a rate that was higher for MHCP patients than Other Purchasers (designated with a negative sign in Column 4). Four clinics did not have a gap between purchasers because they achieved a poor performance of zero percent for all of their patients, MHCP and Other Purchasers.

We also assessed whether the gap between purchasers at a clinic level was significantly different than the gap at the statewide level. For Depression Remission at Six Months, three clinics had a gap that was significantly bigger than the statewide gap; nine clinics had a significantly smaller purchaser gap than the statewide gap (see Column 6).

The six clinics listed below in alphabetical order had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (4%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (4%). Table 38 summarizes these findings.

- Allina Health System - New Ulm Medical Center
- Allina Medical Clinic - Cottage Grove
- Entira Family Clinics - Woodbury
- Fairview Elk River Clinic
- HealthPartners - Woodbury
- Stillwater Medical Group - Curve Crest Clinic

Table 38: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Depression Remission at Six Months (Statewide)

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	3.7%	7.2%	3.5%	Y	
Affiliated Community Medical Centers - Marshall Clinic	3.2%	3.2%	0.0%	.	.
Affiliated Community Medical Centers - Redwood Falls Clinic	0.0%	0.0%	0.0%	.	.
Affiliated Community Medical Centers - Willmar Clinic	0.0%	3.7%	3.7%	Y	.
Allina Health System - Allina Mental Health Northtown Clinic	6.0%	6.3%	0.3%	.	.
Allina Health System - New Ulm Medical Center	5.1%	2.5%	-2.6%	.	<
Allina Medical Clinic - Annandale	15.2%	16.7%	1.5%	.	.
Allina Medical Clinic - Blaine	9.7%	7.3%	-2.4%	.	.
Allina Medical Clinic - Buffalo	6.5%	17.4%	10.9%	Y	>
Allina Medical Clinic - Cambridge Medical Center	4.5%	7.6%	3.1%	.	.
Allina Medical Clinic - Champlin	6.5%	10.1%	3.7%	.	.
Allina Medical Clinic - Coon Rapids	7.2%	12.2%	4.9%	Y	.
Allina Medical Clinic - Cottage Grove	10.2%	7.7%	-2.5%	.	<
Allina Medical Clinic - Eagan	7.9%	9.2%	1.2%	.	.
Allina Medical Clinic - Edina	6.3%	11.3%	5.0%	.	.
Allina Medical Clinic - Elk River	3.8%	7.4%	3.6%	.	.
Allina Medical Clinic - Faribault	7.3%	13.2%	5.9%	.	.
Allina Medical Clinic - Farmington	5.3%	10.1%	4.9%	.	.
Allina Medical Clinic - Forest Lake	8.9%	6.9%	-2.0%	.	.
Allina Medical Clinic - Hastings (Nininger)	7.7%	9.5%	1.8%	.	.
Allina Medical Clinic - Hastings (W First St)	3.2%	8.7%	5.5%	.	.
Allina Medical Clinic - Maple Grove	2.6%	7.1%	4.5%	.	.
Allina Medical Clinic - Northfield	8.1%	12.3%	4.2%	.	.
Allina Medical Clinic - Ramsey	10.0%	9.3%	-0.7%	.	.
Allina Medical Clinic - Shakopee	4.4%	10.2%	5.9%	.	.
Allina Medical Clinic - Shoreview	8.8%	14.1%	5.3%	.	.
Allina Medical Clinic - St. Michael	13.5%	13.3%	-0.2%	.	.
Allina Medical Clinic - The Doctors Uptown	5.7%	9.1%	3.3%	.	.
Allina Medical Clinic - West Health Campus	11.1%	10.5%	-0.6%	.	.
Allina Medical Clinic - West St. Paul	6.7%	12.1%	5.4%	.	.
Allina Medical Clinic - Woodbury	8.0%	10.2%	2.2%	.	.
Allina Medical Clinic - Woodlake	4.1%	8.4%	4.4%	.	.
Apple Valley Medical Clinic - Family Practice	0.0%	3.9%	3.9%	.	.
Aspen Medical Group - Bandana Square	6.7%	9.2%	2.5%	.	.
Aspen Medical Group - Bloomington	4.7%	9.4%	4.8%	.	.
Aspen Medical Group - East Lake Street	8.9%	9.4%	0.6%	.	.
Aspen Medical Group - Maplewood	9.0%	7.7%	-1.3%	.	.
Associated Clinic of Psychology-Apple Valley	0.0%	2.7%	2.7%	.	.
Associated Clinic of Psychology-Minneapolis	1.7%	2.8%	1.1%	.	.
Associated Clinic of Psychology-West St. Paul	3.9%	2.0%	-2.0%	.	.
Boynton Health Service	15.6%	11.0%	-4.7%	.	.
CentraCare Health Plaza-Family Medicine	3.2%	6.2%	2.9%	.	.
Chippewa County Montevideo Hospital & Medical Clinic	0.0%	6.6%	6.6%	.	.
Edina Family Physicians, P.A.	0.0%	4.3%	4.3%	.	.
Entira Family Clinics - Como/Roseville	2.6%	9.2%	6.7%	.	.
Entira Family Clinics - East Side	4.9%	6.7%	1.8%	.	.
Entira Family Clinics - Maplewood/Battle Creek	17.0%	15.1%	-2.0%	.	.
Entira Family Clinics - North St. Paul (	4.8%	6.8%	2.0%	.	.
Entira Family Clinics - Vadnais Heights	5.7%	11.0%	5.3%	.	.
Entira Family Clinics - West St. Paul	11.9%	16.9%	5.0%	.	.
Entira Family Clinics - Woodbury	20.0%	13.6%	-6.5%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 38: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Depression Remission at Six Months (Statewide)- *continued*

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	3.7%	7.2%	3.5%	Y	
Essentia Health - Duluth Clinic	2.0%	6.5%	4.5%	.	.
Essentia Health - Duluth Clinic 1st St	2.2%	0.7%	-1.5%	.	<
Essentia Health - Hayward Clinic	5.7%	3.1%	-2.5%	.	.
Essentia Health - Hermantown Clinic	0.0%	6.0%	6.0%	.	.
Essentia Health - Lakeside Clinic	0.0%	2.1%	2.1%	.	.
Essentia Health - Spooner Clinic	0.0%	6.9%	6.9%	.	.
Essentia Health - St. Mary's-Superior Clinic	6.5%	6.5%	0.0%	.	.
Essentia Health - West Duluth Clinic	4.4%	3.3%	-1.0%	.	.
Essentia Health St. Joseph's - Brainerd Clinic	2.5%	3.8%	1.4%	.	.
Fairview Andover Clinic	4.5%	6.1%	1.6%	.	.
Fairview Blaine Clinic	4.3%	4.0%	-0.3%	.	.
Fairview Brooklyn Park Clinic	1.4%	8.3%	6.9%	Y	.
Fairview CedarRidge Clinic	0.0%	6.7%	6.7%	.	.
Fairview Columbia Heights Clinic	2.3%	2.5%	0.3%	.	.
Fairview Crosstown Clinic	9.7%	7.0%	-2.7%	.	.
Fairview Eagan Clinic	2.7%	4.7%	2.0%	.	.
Fairview EdenCenter Clinic	2.6%	2.6%	0.1%	.	.
Fairview Elk River Clinic	4.2%	1.4%	-2.8%	.	<
Fairview Fridley Clinic	6.9%	6.1%	-0.8%	.	.
Fairview Hiawatha Clinic	0.0%	4.2%	4.2%	.	.
Fairview Highland Park Clinic	3.3%	7.2%	3.9%	.	.
Fairview Lakes Medical Center	2.2%	5.6%	3.4%	.	.
Fairview Milaca Clinic	0.0%	4.8%	4.8%	.	.
Fairview North Branch Clinic	0.0%	4.3%	4.3%	.	.
Fairview Northeast Clinic	1.8%	3.6%	1.8%	.	.
Fairview Oxboro Clinic	5.8%	5.1%	-0.7%	.	.
Fairview Princeton Clinic	0.0%	0.7%	0.7%	.	.
Fairview Uptown Clinic	4.8%	7.7%	3.0%	.	.
Family Life Center	2.2%	7.0%	4.8%	.	.
Family Practice Medical Center of Willmar	1.2%	1.4%	0.2%	.	.
FirstLight Health System - Mora	2.3%	3.4%	1.1%	.	.
Grand Itasca Clinic	3.2%	3.4%	0.3%	.	.
HealthPartners - Anoka	2.8%	1.1%	-1.7%	.	<
HealthPartners - Apple Valley	0.0%	5.0%	5.0%	.	.
HealthPartners - Bloomington	6.4%	13.3%	6.9%	.	.
HealthPartners - Brooklyn Center	1.4%	3.8%	2.4%	.	.
HealthPartners - Como	0.0%	6.8%	6.8%	.	.
HealthPartners - Coon Rapids	1.3%	2.6%	1.3%	.	.
HealthPartners - Hlth Ctr for Women	0.0%	4.1%	4.1%	.	.
HealthPartners - Inver Grove Behav Hlth	0.0%	14.7%	14.7%	Y	>
HealthPartners - Inver Grove Heights	2.9%	5.1%	2.1%	.	.
HealthPartners - Maplewood	0.0%	3.5%	3.5%	.	.
HealthPartners - Regions BH Maplewood	2.6%	8.1%	5.5%	.	.
HealthPartners - Regions BH Woodbury	5.1%	8.3%	3.2%	.	.
HealthPartners - Riverside	2.5%	3.0%	0.5%	.	.
HealthPartners - St Paul	2.0%	3.5%	1.5%	.	.
HealthPartners - West	3.1%	4.2%	1.0%	.	.
HealthPartners - West Behav Hlth	0.0%	10.7%	10.7%	Y	.
HealthPartners - White Bear Lake	2.4%	9.3%	7.0%	.	.
HealthPartners - Woodbury	7.1%	4.1%	-3.0%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

**Table 38: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Depression Remission at Six Months (Statewide)- *continued***

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	3.7%	7.2%	3.5%	Y	
HealthPartners Central Minnesota Clinics	2.3%	6.4%	4.0%	.	.
Hutchinson Area Health Care - Behavioral Health Services	1.7%	3.0%	1.3%	.	.
Mankato Clinic - Department of Psychiatry & Psychology	8.0%	13.6%	5.6%	.	.
Mankato Clinic - Main Street	3.5%	8.3%	4.8%	.	.
Mankato Clinic - North Mankato	4.4%	6.4%	2.0%	.	.
Mankato Clinic - Wickersham Campus	6.4%	11.2%	4.9%	.	.
Mayo Clinic - Baldwin Building, Family Medicine	8.3%	15.5%	7.2%	.	.
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	4.9%	17.0%	12.1%	.	.
Mayo Clinic - Genereose Building	3.7%	8.6%	4.9%	.	.
Mayo Clinic - Kasson	4.7%	15.7%	11.0%	.	.
Mayo Clinic - Northeast	17.1%	24.4%	7.2%	.	.
Mayo Clinic - Speciality Practice	1.8%	1.3%	-0.5%	.	<
Mayo Clinic Health System Austin	0.0%	2.1%	2.1%	.	.
Mayo Clinic Health System Mankato Eastridge	2.4%	9.0%	6.6%	.	.
Mayo Clinic Health System Mankato Northridge	0.0%	6.5%	6.5%	.	.
Mayo Clinic Health System Owatonna	1.2%	3.9%	2.8%	.	.
Mid Minnesota Family Medicine Center	5.4%	11.1%	5.7%	.	.
Minnesota Mental Health Clinics - Eagan Clinic	4.5%	9.1%	4.7%	Y	.
New Hope Crystal Medical Clinic	0.0%	0.0%	0.0%	.	.
NorthPoint Health & Wellness Center	0.0%	0.0%	0.0%	.	.
Northwest Family Physicians - Crystal	3.0%	7.6%	4.6%	.	.
Olmsted Medical Center - Rochester Southeast	2.7%	4.7%	2.1%	.	.
Park Nicollet Center - Brookdale	0.0%	1.1%	1.1%	.	.
Park Nicollet Clinic - Burnsville	0.0%	1.8%	1.8%	.	.
Park Nicollet Clinic - Carlson	6.3%	7.8%	1.5%	.	.
Park Nicollet Clinic - Eagan	2.6%	0.5%	-2.1%	.	<
Park Nicollet Clinic - Shakopee	0.0%	1.9%	1.9%	.	.
Park Nicollet Clinic - St. Louis Park Family Medicine	1.7%	3.8%	2.1%	.	.
Park Nicollet Clinic - St. Louis Park Internal Medicine	12.5%	8.3%	-4.2%	.	.
Park Nicollet Clinic - St. Louis Park Psychiatry	4.8%	7.4%	2.6%	.	.
Quello Clinic - Burnsville	5.4%	9.0%	3.6%	.	.
Rainy Lake Medical Center	8.0%	3.2%	-4.8%	.	.
Raiter Clinic-Integrity Health	3.7%	4.8%	1.1%	.	.
Sanford Bemidji 1611 Anne St Clinic	8.1%	3.6%	-4.5%	.	.
Sanford Broadway Clinic	0.0%	8.7%	8.7%	.	.
Sanford Professional Building	6.4%	11.6%	5.2%	.	.
St. Cloud Hospital - Behavioral Health Clinic	3.0%	6.1%	3.1%	.	.
St. Cloud Medical Group - NW- Integrity Health	5.6%	3.7%	-1.8%	.	.
St. Cloud Medical Group - South - Integrity Health	0.0%	2.8%	2.8%	.	.
St. Luke's Outpatient Mental Health	2.6%	3.1%	0.5%	.	.
Stillwater Medical Group - Curve Crest Clinic	7.3%	4.0%	-3.4%	.	<
University of Minnesota Physicians - Phalen Clinic	2.4%	0.0%	-2.4%	.	.
University of Minnesota Physicians - Smiley's Clinic	0.0%	0.0%	0.0%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Controlling High Blood Pressure

Sixteen medical groups met the minimum reporting requirement of at least 60 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level was about five percentage points and is statistically significant. This means that the Controlling High Blood Pressure statewide rate for MHCP patients (71 percent) was significantly lower than that of Other Purchasers (76 percent).

Nine of the medical groups had rates for MHCP patients that were lower than Other Purchasers; three medical groups had statistically significant gaps between purchasers within the medical group (see Column 5). This means that within those three medical groups, MHCP patients had significantly lower performance rates than patients enrolled with Other Purchasers. Seven medical groups had a rate that was higher for MHCP patients than Other Purchasers (designated with a negative sign in Column 4).

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap at the statewide level. For Controlling High Blood Pressure, two medical groups had a gap that was significantly smaller than the statewide gap; both of these medical groups had a MHCP performance rate higher than the Other Purchaser rate (see Column 6).

North Clinic and **Sanford Health Fargo** had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (71%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (4%). Table 39 summarizes these findings.

Table 39: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Controlling High Blood Pressure

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	71.0%	75.5%	4.5%	Y	
Affiliated Community Medical Centers	85.4%	89.0%	3.6%	.	.
Allina Health System	78.8%	84.1%	5.4%	Y	.
Avera Medical Group	47.4%	62.7%	15.3%	.	.
CentraCare Health System	71.1%	65.9%	-5.3%	.	.
Entira Family Clinics	80.6%	90.8%	10.2%	Y	.
Essentia Health- East Region	82.5%	80.4%	-2.1%	.	.
Fairview Medical Group	78.5%	78.6%	0.1%	.	.
Grand Itasca Clinic	57.2%	58.8%	1.7%	.	.
HealthEast	77.7%	86.6%	8.9%	.	.
HealthPartners Clinics	75.0%	81.8%	6.8%	Y	.
North Clinic	74.7%	63.0%	-11.7%	.	<
North Memorial Clinic	72.0%	71.4%	-0.6%	.	.
Park Nicollet Health Services	73.1%	78.2%	5.2%	.	.
Sanford Clinic	68.3%	64.6%	-3.7%	.	.
Sanford Health Fargo	84.1%	80.3%	-3.8%	.	<
St. Luke's Clinics	66.1%	62.0%	-4.1%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Optimal Asthma Care - Children Ages 5-17

Seventy-four clinics met the minimum reporting requirement of at least 30 patients per purchaser group for this analysis. The purchaser performance rate gap at the statewide level was eight percentage points and is statistically significant. This means that the Optimal Asthma Care statewide rate for MHCP patients ages 5-17 (33 percent) was significantly lower than that of Other Purchasers (40 percent).

Forty-six of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, 13 had significant gaps between purchasers (see Column 5). This means that 13 clinics had significantly lower performance rates compared to Other Purchasers. Twenty-one of the clinics had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4). Seven clinics did not have a gap between purchasers because they achieved a poor performance of zero percent for all of their patients, MHCP and Other Purchasers. The poor performance rate is a result of not having implemented an asthma control tool into their practice, not documenting hospitalizations and emergency department visits, and/or not completing asthma management plans.

We also assessed whether the value of the gap between purchasers at a clinic level was significantly different than the gap at the statewide level. Three clinics had a significantly bigger purchaser gap than the statewide gap; nine clinics had a significantly smaller purchaser gap than the statewide gap, and of the nine, eight of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

The four clinics listed below in alphabetical order had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (33%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (8%). Table 40 summarizes these findings.

- Allina Medical Clinic - Coon Rapids
- Fairview Brooklyn Park Clinic
- HealthPartners Central Minnesota Clinics
- Stillwater Medical Group - Curve Crest Clinic

**Table 40: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Optimal Asthma Care - Children Ages 5-17**

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	32.5%	40.2%	7.7%	Y	
Advancements in Allergy and Asthma Care, Ltd.	85.7%	87.8%	2.1%	.	.
Affiliated Community Medical Centers - Marshall Clinic	20.5%	22.8%	2.4%	.	.
Affiliated Community Medical Centers - Willmar Clinic	36.3%	32.4%	-3.8%	.	.
Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	63.4%	76.0%	12.6%	.	.
Allergy and Asthma Care, PA	20.5%	23.0%	2.5%	.	.
Allergy, Asthma & Pulmonary Associates, PA	0.0%	0.0%	0.0%	.	<
Allina Health System - New Ulm Medical Center	24.6%	26.6%	2.0%	.	.
Allina Medical Clinic - Buffalo	60.5%	55.1%	-5.4%	.	.
Allina Medical Clinic - Cambridge Medical Center	43.9%	46.8%	3.0%	.	.
Allina Medical Clinic - Coon Rapids	49.7%	42.8%	-6.8%	.	<
Allina Medical Clinic - Cottage Grove	47.2%	50.7%	3.5%	.	.
Allina Medical Clinic - Faribault	41.7%	50.0%	8.3%	.	.
Allina Medical Clinic - West St. Paul	8.6%	35.6%	27.0%	Y	>
Allina Medical Clinic - Woodbury	25.0%	23.2%	-1.8%	.	.
Altru Health System - Main	0.0%	0.0%	0.0%	.	<
Aspen Medical Group - Bandana Square	45.8%	48.9%	3.1%	.	.
Aspen Medical Group - Bloomington	35.4%	44.8%	9.4%	.	.
Aspen Medical Group - East Lake Street	45.7%	43.3%	-2.4%	.	.
Aspen Medical Group - Inver Grove Heights	20.0%	27.4%	7.4%	.	.
Avera Worthington Specialty Clinic	0.0%	0.0%	0.0%	.	.
CentraCare Health Plaza-Women & Children Pediatrics	48.0%	57.0%	9.0%	Y	.
Children's General Pediatric Clinic - Minneapolis	24.6%	34.3%	9.7%	Y	.
Children's General Pediatric Clinic - St. Paul	21.1%	18.8%	-2.2%	.	.
Children's Respiratory & Critical Care Specialists - Minneapolis	42.9%	50.4%	7.6%	.	.
Children's Respiratory & Critical Care Specialists - Minnetonka	39.6%	47.4%	7.8%	.	.
Children's Respiratory & Critical Care Specialists - St Paul	20.6%	35.0%	14.4%	Y	.
Children's Speciality Clinic - St. Paul	38.0%	65.2%	27.2%	Y	>
Essentia Health - Duluth Clinic 1st St	57.6%	72.1%	14.5%	Y	.
Fairview Andover Clinic	65.8%	68.5%	2.7%	.	.
Fairview Brooklyn Park Clinic	67.7%	59.6%	-8.1%	.	<
Fairview Children's Clinic	66.9%	67.6%	0.7%	.	.
Fairview Columbia Heights Clinic	38.5%	51.8%	13.3%	.	.
Fairview Elk River Clinic	72.1%	80.1%	8.0%	.	.
Fairview Fridley Clinic	48.2%	50.7%	2.6%	.	.
Fairview Lakes Medical Center	59.3%	53.8%	-5.5%	.	.
Fairview Oxboro Clinic	44.3%	54.1%	9.8%	.	.
Fairview Ridges Clinic	54.0%	68.0%	14.0%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 40: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Optimal Asthma Care - Children Ages 5-17

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	32.5%	40.2%	7.7%	Y	
Glencoe Regional Health Services - Glencoe	28.6%	26.9%	-1.7%	.	.
HealthEast - Maplewood	56.5%	66.3%	9.8%	.	.
HealthEast - Woodbury	57.1%	52.8%	-4.4%	.	.
HealthPartners - Anoka	50.0%	60.2%	10.2%	.	.
HealthPartners - Bloomington	15.5%	32.6%	17.1%	Y	.
HealthPartners - Brooklyn Center	29.3%	28.9%	-0.3%	.	.
HealthPartners - Como	40.8%	41.0%	0.2%	.	.
HealthPartners - Coon Rapids	36.2%	36.1%	-0.1%	.	.
HealthPartners - Elk River	52.9%	55.1%	2.2%	.	.
HealthPartners - Inver Grove Heights	35.3%	46.0%	10.7%	.	.
HealthPartners - Maplewood	48.3%	54.7%	6.4%	.	.
HealthPartners - Midway	22.7%	31.6%	8.9%	.	.
HealthPartners - Riverside	35.5%	50.5%	15.1%	Y	.
HealthPartners - Specialty Center 401	44.7%	63.9%	19.2%	Y	.
HealthPartners - St Paul	19.2%	38.5%	19.3%	Y	.
HealthPartners - Woodbury	15.6%	31.6%	16.0%	Y	.
HealthPartners Central Minnesota Clinics	51.0%	35.7%	-15.3%	.	<
Hennepin Co. Medical Center (HCMC) Clinics - Downtown Pediatric	46.2%	52.1%	5.9%	.	.
Mankato Clinic - Main Street	13.2%	13.0%	-0.2%	.	.
Mankato Clinic - Wickersham Campus	53.3%	69.2%	15.9%	.	.
Mayo Clinic - Baldwin Building, Pediatrics	53.1%	82.8%	29.8%	Y	>
Mayo Clinic - Speciality Practice	42.3%	51.7%	9.4%	.	.
Mayo Clinic Health System Albert Lea	0.0%	0.0%	0.0%	.	.
Mayo Clinic Health System Austin	18.6%	22.6%	4.0%	.	.
Mayo Clinic Health System Owatonna	18.4%	15.4%	-3.0%	.	.
Multicare Associates - Fridley Medical Center	22.6%	16.3%	-6.3%	.	.
Olmsted Medical Center - Rochester Southeast	30.4%	31.3%	0.8%	.	.
Park Nicollet Clinic - Brookdale	7.7%	3.4%	-4.3%	.	<
Park Nicollet Clinic - Burnsville	6.3%	4.7%	-1.5%	.	<
Park Nicollet Clinic - Minneapolis	0.0%	0.0%	0.0%	.	<
Park Nicollet Clinic - Plymouth	0.0%	0.8%	0.8%	.	<
Park Nicollet Clinic - Shakopee	7.9%	3.5%	-4.4%	.	<
Park Nicollet Clinic - St. Louis Park 3850 Bldg.	0.0%	0.0%	0.0%	.	<
Sanford Bemidji 1611 Anne St Clinic	0.0%	0.0%	0.0%	.	<
Sanford Broadway Clinic	5.7%	1.5%	-4.2%	.	<
Sanford Children's Southwest Clinic	14.7%	19.0%	4.3%	.	.
Stillwater Medical Group - Curve Crest Clinic	32.7%	23.8%	-8.8%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Optimal Asthma Care - Adults Ages 18-50

Eighty-eight clinics met the minimum reporting requirement of at least 30 patients per purchaser group for this analysis. The purchaser performance rate gap at the statewide level was 11 percentage points and is statistically significant. This means that the Optimal Asthma Care statewide rate for MHCP adult patients ages 18-50 (23 percent) was significantly lower than that of Other Purchasers (34 percent).

Seventy-five of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, 17 had significant gaps between purchasers (see Column 5). This means that 17 clinics had significantly lower performance rates compared to Other Purchasers. Ten of the clinics had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4). Three clinics had a rate of zero percent for both their MHCP patients and Other Purchaser patients.

We also assessed whether the value of the gap between purchasers at a clinic level was significantly different than the gap at the statewide level. Two clinics had a significantly bigger purchaser gap than the statewide gap; 14 clinics had a significantly smaller purchaser gap than the statewide gap and of the 14, six of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

One clinic – **Allina Health System - New Ulm Medical Center** – had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (23%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (11%). Table 41 summarizes these findings.

**Table 41: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Optimal Asthma Care - Adults Ages 18-50**

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	23.2%	33.9%	10.7%	Y	
Advancements in Allergy and Asthma Care, Ltd.	72.7%	85.7%	13.0%	Y	.
Affiliated Community Medical Centers - Marshall Clinic	6.5%	14.3%	7.8%	.	.
Affiliated Community Medical Centers - Willmar Clinic	29.7%	34.5%	4.8%	.	.
Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	39.4%	73.9%	34.5%	Y	>
Allina Health System - New Ulm Medical Center	33.3%	21.7%	-11.6%	.	<
Allina Medical Clinic - Buffalo	59.1%	65.4%	6.3%	.	.
Allina Medical Clinic - Cambridge Medical Center	41.3%	48.0%	6.7%	.	.
Allina Medical Clinic - Coon Rapids	53.6%	57.3%	3.8%	.	.
Allina Medical Clinic - Cottage Grove	28.9%	40.3%	11.4%	.	.
Allina Medical Clinic - Eagan	66.7%	72.8%	6.1%	.	.
Allina Medical Clinic - Faribault	56.6%	67.7%	11.1%	.	.
Allina Medical Clinic - Forest Lake	31.9%	48.9%	17.0%	Y	.
Allina Medical Clinic - Hastings (W First St)	42.9%	59.2%	16.3%	Y	.
Allina Medical Clinic - Nicollet Mall	34.3%	50.8%	16.5%	.	.
Allina Medical Clinic - Northfield	47.5%	54.6%	7.1%	.	.
Allina Medical Clinic - Ramsey	57.6%	58.8%	1.2%	.	.
Allina Medical Clinic - West St. Paul	31.6%	38.3%	6.7%	.	.
Allina Medical Clinic - Woodbury	27.7%	32.2%	4.5%	.	.
Allina Medical Clinic - Woodlake	40.0%	52.8%	12.8%	.	.
Aspen Medical Group - Bandana Square	38.9%	46.6%	7.7%	.	.
Aspen Medical Group - Bloomington	40.0%	49.6%	9.6%	.	.
Aspen Medical Group - East Lake Street	25.6%	35.3%	9.7%	.	.
Aspen Medical Group - Maplewood	42.5%	49.1%	6.6%	.	.
CentraCare - Heartland	45.5%	70.3%	24.8%	Y	.
CentraCare Health Plaza-Family Medicine	50.0%	60.4%	10.4%	.	.
Chippewa County Montevideo Hospital & Medical Clinic	0.0%	0.0%	0.0%	.	.
Cuyuna Regional Medical Center-Clinic Services	0.0%	0.0%	0.0%	.	<
Essentia Health - Duluth Clinic 1st St	59.6%	65.8%	6.3%	.	>
Essentia Health - St. Mary's-Superior Clinic	51.4%	53.2%	1.8%	.	.
Essentia Health - West Duluth Clinic	33.3%	59.3%	25.9%	Y	.
Essentia Health St. Joseph's - Brainerd Clinic	25.7%	25.0%	-0.7%	.	.
Fairview Andover Clinic	56.4%	60.1%	3.7%	.	.
Fairview Brooklyn Park Clinic	52.9%	53.5%	0.6%	.	.
Fairview CedarRidge Clinic	50.9%	57.6%	6.8%	.	.
Fairview Chisago Lakes Clinic	68.8%	74.0%	5.2%	.	.
Fairview Columbia Heights Clinic	44.2%	66.4%	22.3%	Y	.
Fairview Eagan Clinic	40.5%	69.7%	29.2%	Y	.
Fairview Elk River Clinic	47.9%	54.9%	7.0%	.	<
Fairview Fridley Clinic	40.7%	61.2%	20.5%	Y	.
Fairview Hiawatha Clinic	39.5%	53.2%	13.7%	.	.
Fairview Lakes Medical Center	37.5%	49.5%	12.0%	Y	.
Fairview Lino Lakes Clinic	43.6%	45.1%	1.6%	.	.
Fairview North Branch Clinic	65.0%	65.4%	0.4%	.	.
Fairview Northeast Clinic	46.7%	66.4%	19.7%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 41: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Optimal Asthma Care - Adults Ages 18-50

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	23.2%	33.9%	10.7%	Y	
Fairview Oxboro Clinic	45.8%	57.9%	12.1%	.	.
Fairview Princeton Clinic	48.4%	49.7%	1.3%	.	.
Fairview Red Wing Medical Center	21.6%	25.0%	3.4%	.	.
Fairview Ridges Clinic	42.4%	50.3%	7.9%	.	.
Fairview RidgeValley Clinic	71.0%	67.1%	-3.9%	.	.
Fairview Uptown Clinic	64.5%	73.4%	8.9%	.	.
HealthEast - Oakdale	28.1%	57.3%	29.2%	Y	.
HealthEast - Rice Street	31.8%	28.2%	-3.6%	.	.
HealthEast - Roselawn	22.0%	31.4%	9.5%	.	.
HealthPartners - Anoka	31.2%	41.8%	10.6%	.	.
HealthPartners - Bloomington	22.4%	30.6%	8.2%	.	.
HealthPartners - Brooklyn Center	19.7%	26.9%	7.2%	.	.
HealthPartners - Como	12.0%	15.3%	3.3%	.	.
HealthPartners - Coon Rapids	40.3%	44.8%	4.5%	.	.
HealthPartners - Inver Grove Heights	16.1%	24.0%	7.9%	.	.
HealthPartners - Maplewood	24.2%	33.1%	8.9%	.	.
HealthPartners - Midway	10.8%	35.0%	24.2%	Y	.
HealthPartners - Riverside	28.4%	40.7%	12.4%	.	.
HealthPartners - Roseville	33.3%	58.8%	25.4%	Y	.
HealthPartners - Specialty Center 401	25.7%	46.3%	20.6%	Y	.
HealthPartners - St Paul	6.6%	11.0%	4.4%	.	.
HealthPartners - White Bear Lake	23.3%	31.8%	8.5%	.	.
HealthPartners - Woodbury	20.0%	31.6%	11.6%	.	.
HealthPartners Central Minnesota Clinics	39.0%	48.7%	9.6%	.	.
Hennepin County Medical Center (HCMC) Clinics - Downtown	9.3%	3.0%	-6.3%	.	<
Mayo Clinic - Speciality Practice	11.4%	29.6%	18.1%	Y	.
Mayo Clinic Health System Albert Lea	0.0%	0.0%	0.0%	.	<
Mayo Clinic Health System Austin	27.5%	24.5%	-3.0%	.	.
Mayo Clinic Health System Owatonna	17.0%	13.3%	-3.7%	.	<
Minnesota Lung Center/Minnesota Sleep Institute - Minneapolis	40.4%	61.8%	21.4%	Y	.
Multicare Associates - Fridley Medical Center	12.5%	16.3%	3.8%	.	.
NorthPoint Health & Wellness Center	4.0%	0.0%	-4.0%	.	<
Northwest Family Physicians - Crystal	17.5%	25.9%	8.4%	.	.
Olmsted Medical Center - Rochester Southeast	17.8%	24.5%	6.7%	.	.
Park Nicollet Clinic - Brookdale	11.3%	11.9%	0.6%	.	<
Park Nicollet Clinic - Burnsville	4.6%	7.6%	3.0%	.	<
Park Nicollet Clinic - Minneapolis	0.0%	0.9%	0.9%	.	<
Park Nicollet Clinic - Shakopee	2.4%	2.0%	-0.4%	.	<
Park Nicollet Clinic - St. Louis Park Asthma and Allergy	4.8%	2.6%	-2.2%	.	<
Park Nicollet Clinic - St. Louis Park Family Medicine	1.4%	6.5%	5.0%	.	<
Sanford Southpointe Clinic	9.3%	12.0%	2.7%	.	<
Sanford Thief River Falls Clinic	3.1%	4.0%	0.9%	.	<
Stillwater Medical Group - Curve Crest Clinic	5.8%	8.7%	2.9%	.	<
United Family Medicine	2.0%	3.9%	1.9%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Appropriate Treatment for Children with Upper Respiratory Infection

Seventy-six medical groups met the minimum reporting requirement of at least 30 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level is three percentage points and is statistically significant. The sign is negative, however, which means that the Appropriate Treatment for Children with Upper Respiratory Infection rate for MHCP patients (89 percent) was significantly higher than that of Other Purchasers (86 percent).

Nine medical groups had purchaser performance gaps of less than one percentage point suggesting little or no difference between MHCP and Other Purchaser patients. Fourteen of the medical groups had rates for MHCP patients that were lower than Other Purchasers; for four groups MHCP patients had significantly lower performance rates compared to Other Purchasers. Fifty-five of the medical groups had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4); for 11 of these groups MHCP patients had significantly higher performance rates.

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap found at the statewide level. For the Appropriate Treatment for Children with Upper Respiratory Infection measure, five medical groups had purchaser gaps that were significantly different than the statewide gap. Two medical groups had a gap significantly bigger than the statewide gap, and three medical groups had a rate significantly smaller than the statewide gap. Two of these three groups had a MHCP performance rate higher than the Other Purchaser rate (see Column 6).

No medical groups had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (89%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (3%). Table 42 summarizes these findings.

Table 42: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Appropriate Treatment for Children with Upper Respiratory Infection

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	89.2%	86.3%	-2.9%	Y	
Affiliated Community Medical Centers	90.4%	92.7%	2.3%	.	>
Alexandria Clinic	91.3%	84.8%	-6.5%	.	.
All About Children Pediatrics	95.5%	96.9%	1.4%	.	.
Allina Health System	97.0%	95.2%	-1.7%	Y	.
Altru Health System	70.9%	65.4%	-5.5%	.	.
Apple Valley Medical Clinic	83.9%	78.2%	-5.7%	.	.
Avera Medical Group	55.5%	55.8%	0.3%	.	.
Broadway Medical Center	92.2%	88.9%	-3.3%	.	.
Buffalo Clinic	92.4%	95.5%	3.2%	.	>
CCMH-Montevideo Clinic	94.8%	82.9%	-11.9%	.	.
CentraCare Health System	97.6%	97.7%	0.1%	.	.
Central Pediatrics	98.4%	88.5%	-9.9%	Y	.
Children's Health Care	92.7%	85.9%	-6.9%	Y	.
Cuyuna Regional Medical Center- Clinic Services	75.0%	74.2%	-0.8%	.	.
Emergency Physicians	93.2%	88.5%	-4.7%	.	.
Entira Family Clinics	88.0%	88.7%	0.7%	.	.
Essentia Health - Central Region	88.1%	86.8%	-1.3%	.	.
Essentia Health - East Region	82.9%	92.0%	9.0%	Y	>
Essentia Health - West Region	78.0%	73.2%	-4.8%	.	.
Essentia Health St. Mary's	76.8%	81.3%	4.5%	.	.
Express Healthcare	100.0%	96.2%	-3.9%	.	.
Fairview Express Care	87.7%	84.1%	-3.6%	.	.
Fairview Medical Group	91.9%	89.0%	-2.8%	Y	.
Fairview Mesaba Clinics	76.5%	64.9%	-11.6%	.	.
Fairview Red Wing Health Services	82.7%	75.4%	-7.3%	.	.
Familyhealth Medical Clinics	100.0%	91.1%	-8.9%	.	.
First Care Medical Services dba Essentia Health Fosston	66.7%	51.5%	-15.2%	.	.
Fridley Children's & Teenagers' Medical Center	96.3%	96.9%	0.6%	.	.
Gateway Family Health Clinic	93.9%	97.0%	3.0%	.	.
Glencoe Regional Health Services	78.0%	73.7%	-4.3%	.	.
Glenwood Medical Center	59.5%	65.9%	6.3%	.	.
Grand Itasca Clinic	89.8%	87.8%	-2.1%	.	.
Gundersen Clinic	100.0%	92.3%	-7.7%	.	.
HealthEast	95.1%	87.5%	-7.6%	Y	.
HealthPartners Clinics	97.6%	94.1%	-3.6%	Y	.
Hutchinson Medical Center	95.2%	91.0%	-4.1%	.	.
Lake Region Medical Group PA	72.1%	82.4%	10.3%	.	.
Lakeview Clinic, Ltd.	88.5%	87.4%	-1.0%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 42: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Appropriate Treatment for Children with Upper Respiratory Infection - *continued*

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	89.2%	86.3%	-2.9%	Y	
Lakeview Medical Clinic	95.6%	89.2%	-6.4%	.	.
Lakewood Health System	88.8%	79.4%	-9.4%	.	.
Mankato Clinic	80.2%	78.9%	-1.3%	.	.
Mayo Clinic	89.1%	92.6%	3.5%	.	.
Mayo Clinic Health System - Immanuel St. Joseph	88.1%	86.4%	-1.7%	.	.
Mayo Clinic Health System - New Prague	80.6%	75.6%	-5.0%	.	.
Mayo Clinic Health System- Albert Lea	94.8%	88.6%	-6.2%	.	.
Mayo Clinic Health System- Austin	86.9%	78.9%	-8.1%	.	.
Mayo Clinic Health System- Faribault	96.1%	100.0%	3.9%	.	.
Mayo Clinic Health System- Lake City	97.8%	81.8%	-16.0%	Y	.
Mayo Clinic Health System- Owatonna	85.1%	80.2%	-4.9%	.	.
Minute Clinic Diagnostic, P.A	96.3%	93.7%	-2.6%	.	.
Multicare Associates of the Twin Cities	86.4%	90.5%	4.1%	.	.
North Clinic	92.5%	93.2%	0.8%	.	.
North Memorial Clinic	96.0%	88.9%	-7.1%	Y	.
Northwest Family Physicians	95.7%	88.4%	-7.3%	.	.
Olmsted Medical Center	86.5%	82.7%	-3.8%	.	.
Park Nicollet Health Services	90.8%	89.1%	-1.8%	.	.
Partners in Pediatrics	94.8%	93.7%	-1.1%	.	.
Paynesville Area Health Care System	84.1%	59.3%	-24.8%	Y	<
Pediatric And Young Adult Medicine	90.3%	87.1%	-3.2%	.	.
Priority Pediatrics Urgent Care	95.9%	90.0%	-5.9%	.	.
Quello Clinic	91.4%	78.6%	-12.9%	.	.
Ridgeview Clinics	82.4%	75.0%	-7.4%	.	.
Riverview Clinics	78.8%	70.8%	-8.0%	.	.
Sanford Clinic	74.8%	72.5%	-2.2%	.	.
Sanford Health Fargo	89.0%	88.1%	-0.8%	.	.
South Lake Pediatrics	96.1%	97.1%	1.1%	.	.
Southdale Pediatric Associates Ltd	96.4%	96.9%	0.5%	.	.
St. Cloud Medical Group - Integrity	91.2%	94.0%	2.8%	.	.
St. Luke's Clinics	80.5%	77.2%	-3.3%	.	.
Stillwater Medical Group	96.7%	89.0%	-7.7%	Y	.
Target Clinic	91.5%	93.6%	2.1%	.	>
United Hospital District Clinics	80.9%	83.3%	2.5%	.	.
Wadena Medical Center	78.3%	74.4%	-3.9%	.	.
Wayzata Children's Clinic	100.0%	96.2%	-3.8%	.	.
WestHealth Urgent Care	93.5%	90.4%	-3.1%	.	.
Winona Health	91.5%	92.2%	0.7%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Appropriate Testing for Children with Pharyngitis

Seventy-five medical groups met the minimum reporting requirement of at least 30 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level is three percentage points and is statistically significant. This means that the Appropriate Testing for Children with Pharyngitis statewide rate for MHCP patients (87 percent) is significantly lower than that of Other Purchasers (90 percent).

Eighteen medical groups had rate gaps of less than one percent suggesting little or no difference between MHCP and Other Purchaser patients. Thirty-eight of the medical groups had rates for MHCP patients that were lower than Other Purchasers; 10 of these medical groups had significantly lower MCHP rates compared to Other Purchasers within the medical group (see Column 5). Thirty-six of the medical groups had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4).

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap found at the statewide level. For the Appropriate Testing for Children with Pharyngitis measure, 16 medical groups had purchaser gaps that were significantly different than the statewide gap. Three of these medical groups had a gap that was significantly bigger than the statewide gap. Thirteen medical groups had a gap significantly smaller than the statewide gap and ten of them had a higher MHCP performance rate than Other Purchasers (see Column 6).

The eight medical groups listed below in alphabetical order had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (87%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (3%). Table 43 summarizes these findings.

- Allina Health System
- Children's Health Care
- Express Healthcare
- Fridley Children's & Teenagers' Medical Center
- Lakewood Health System
- Multicare Associates of the Twin Cities
- Partners in Pediatrics
- Target Clinic

Table 43: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Appropriate Testing for Children with Pharyngitis

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	86.8%	90.0%	3.2%	Y	
7 Day Clinic	86.3%	85.5%	-0.8%	.	.
Affiliated Community Medical Centers	76.0%	73.2%	-2.9%	.	.
Alexandria Clinic	85.9%	86.1%	0.2%	.	.
Allina Health System	95.7%	94.3%	-1.4%	.	<
Altru Health System	47.2%	60.8%	13.6%	Y	.
Apple Valley Medical Clinic	94.9%	92.1%	-2.8%	.	.
Avera Medical Group	53.8%	60.8%	7.1%	.	.
Broadway Medical Center	37.8%	22.1%	-15.7%	.	<
Buffalo Clinic	92.6%	92.6%	0.1%	.	.
CCMH-Montevideo Clinic	97.1%	99.0%	1.9%	.	.
CentraCare Health System	91.5%	94.6%	3.1%	.	.
Central Pediatrics	100.0%	98.1%	-1.9%	.	.
Chaska Urgent Care	94.3%	97.6%	3.3%	.	.
Children's Health Care	95.3%	94.7%	-0.6%	.	<
Emergency Physicians	91.9%	90.6%	-1.3%	.	.
Entira Family Clinics	80.7%	95.0%	14.3%	Y	>
Essentia Health - Central Region	76.1%	85.2%	9.1%	Y	.
Essentia Health - East Region	67.6%	72.5%	4.9%	.	.
Essentia Health - West Region	73.6%	80.3%	6.8%	.	.
Essentia Health St. Mary's	69.5%	78.0%	8.5%	.	.
Express Healthcare	100.0%	98.8%	-1.2%	.	<
Fairview Express Care	97.3%	97.0%	-0.4%	.	.
Fairview Medical Group	94.9%	95.7%	0.7%	.	<
Fairview Mesaba Clinics	56.0%	57.6%	1.6%	.	.
Fairview Red Wing Health Services	88.7%	87.5%	-1.2%	.	.
Family Practice Medical Center Of Willmar	100.0%	96.7%	-3.3%	.	.
First Care Medical Services dba Essentia Health Fosston	78.1%	65.0%	-13.1%	.	.
Fridley Children's & Teenagers' Medical Center	99.2%	98.3%	-0.8%	.	<
Gateway Family Health Clinic	94.6%	88.9%	-5.8%	.	.
Glencoe Regional Health Services	81.4%	83.3%	2.0%	.	.
Grand Itasca Clinic	90.5%	92.9%	2.4%	.	.
HealthEast	96.0%	97.0%	1.0%	.	.
HealthPartners Clinics	95.1%	97.9%	2.8%	Y	.
Hutchinson Medical Center	90.1%	91.4%	1.3%	.	.
Lake Region Medical Group PA	69.2%	71.4%	2.2%	.	.
Lakeview Clinic, Ltd.	89.0%	93.3%	4.3%	.	.
Lakeview Medical Clinic	85.4%	85.1%	-0.3%	.	.
Lakewood Health System	93.4%	84.2%	-9.2%	.	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 43: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Appropriate Testing for Children with Pharyngitis - *continued*

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	86.8%	90.0%	3.2%	Y	
Mankato Clinic	90.7%	90.5%	-0.2%	.	.
Mayo Clinic	76.6%	79.6%	3.0%	.	.
Mayo Clinic Health System - Fairmont	65.1%	52.0%	-13.1%	.	.
Mayo Clinic Health System - Immanuel St. Joseph	75.9%	73.2%	-2.6%	.	.
Mayo Clinic Health System - New Prague	80.8%	92.3%	11.5%	Y	.
Mayo Clinic Health System- Albert Lea	92.9%	92.7%	-0.3%	.	.
Mayo Clinic Health System- Austin	81.5%	89.7%	8.3%	.	.
Mayo Clinic Health System- Franciscan Healthcare in LaCrosse	92.1%	86.0%	-6.1%	.	.
Mayo Clinic Health System- Owatonna	55.9%	58.6%	2.8%	.	.
Minute Clinic Diagnostic, P.A	98.9%	99.6%	0.6%	.	<
Multicare Associates of the Twin Cities	97.9%	96.2%	-1.7%	.	<
North Memorial Clinic	87.9%	96.7%	8.8%	Y	>
Northwest Family Physicians	95.8%	94.6%	-1.2%	.	.
Olmsted Medical Center	87.4%	87.8%	0.4%	.	.
Park Nicollet Health Services	94.4%	96.5%	2.1%	Y	.
Partners in Pediatrics	96.6%	94.8%	-1.8%	.	<
Paynesville Area Health Care System	85.5%	91.4%	5.9%	.	.
Pediatric And Young Adult Medicine	99.2%	99.2%	0.0%	.	.
Priority Pediatrics Urgent Care	100.0%	100.0%	0.0%	.	.
Quello Clinic	72.7%	86.2%	13.4%	.	.
Riverview Clinics	49.2%	43.1%	-6.1%	.	.
Riverwood Aitkin Clinic	48.8%	27.0%	-21.8%	Y	<
Sanford Clinic	71.2%	79.6%	8.4%	Y	.
Sanford Health Fargo	79.3%	75.9%	-3.4%	.	<
Scenic Rivers Health Services	68.3%	71.9%	3.6%	.	.
Smart Clinic	65.6%	91.7%	26.0%	Y	>
South Lake Pediatrics	94.1%	95.4%	1.3%	.	.
Southdale Pediatric Associates Ltd	100.0%	96.1%	-3.9%	.	.
St. Cloud Medical Group - Integrity	96.2%	95.7%	-0.5%	.	.
St. Luke's Clinics	88.2%	95.3%	7.1%	Y	.
Target Clinic	97.7%	97.3%	-0.4%	.	<
Unity Family Healthcare - Avon	76.7%	74.1%	-2.6%	.	.
Urgent Care Doctor's Office, PA	100.0%	97.6%	-2.4%	.	.
Wadena Medical Center	60.9%	65.4%	4.5%	.	.
Wayzata Children's Clinic	100.0%	98.5%	-1.5%	.	.
WestHealth Urgent Care	97.3%	96.6%	-0.8%	.	.
Winona Health	90.1%	90.3%	0.2%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Breast Cancer Screening

Seventy-four medical groups met the minimum reporting requirement of at least 30 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level was 13 percentage points and is statistically significant. This means that the Breast Cancer Screening statewide rate for MHCP patients (61 percent) was significantly lower than that of Other Purchasers (73 percent).

Seventy-one medical groups had rates for MHCP patients that were lower than Other Purchasers (see Column 4). Three medical groups had higher rates for MHCP patients than Other Purchasers. Fifty medical groups had statistically significant gaps between purchasers within the medical group and all 50 groups had a lower MHCP performance rate compared to Other Purchasers (see Column 5).

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap found at the statewide level. For the Breast Cancer Screening measure, 12 medical groups had purchaser gaps that were significantly different than the statewide gap. Eight of these medical groups had gaps significantly bigger than the statewide gap; four medical groups had gaps significantly smaller than the statewide gap and two of these medical groups had a higher MHCP performance rate than Other Purchasers (see Column 6).

One medical group – **Riverwood Aitkin Clinic** – had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (61%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (13%). Table 44 summarizes these findings.

Table 44: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Breast Cancer Screening

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	60.8%	73.3%	12.5%	Y	
Affiliated Community Medical Centers	67.4%	82.6%	15.2%	Y	.
Alexandria Clinic	74.0%	82.5%	8.5%	Y	.
Allina Health System	69.8%	82.5%	12.7%	Y	.
Altru Health System	62.1%	81.1%	19.0%	Y	.
Apple Valley Medical Clinic	56.3%	70.1%	13.9%	.	.
Avera Medical Group	49.3%	79.6%	30.3%	Y	>
Broadway Medical Center	60.0%	72.9%	12.9%	Y	.
Buffalo Clinic	59.4%	79.0%	19.6%	Y	.
CCMH-Montevideo Clinic	78.1%	81.6%	3.6%	.	.
CentraCare Health System	69.6%	87.2%	17.6%	Y	.
Community University Health Care Center	57.8%	75.3%	17.5%	Y	.
Cuyuna Regional Medical Center- Clinic Services	62.7%	78.9%	16.2%	Y	.
ELEAH Medical Center	61.5%	79.0%	17.4%	Y	.
Entira Family Clinics	58.2%	72.0%	13.8%	Y	.
Essentia Health - Central Region	59.7%	77.6%	18.0%	Y	.
Essentia Health - East Region	67.2%	80.1%	12.9%	Y	.
Essentia Health - West Region	60.9%	78.4%	17.4%	Y	.
Essentia Health St. Mary's	55.3%	77.3%	22.0%	Y	.
Fairview Medical Group	66.9%	78.5%	11.6%	Y	.
Fairview Mesaba Clinics	74.2%	78.9%	4.7%	.	.
Fairview Red Wing Health Services	67.2%	83.3%	16.1%	Y	.
Family Practice Medical Center Of Willmar	80.4%	85.5%	5.1%	.	.
First Care Medical Services dba Essentia Health Fosston	51.1%	69.5%	18.4%	Y	.
FirstLight Health System	49.4%	74.3%	25.0%	Y	>
Gateway Family Health Clinic	41.9%	74.4%	32.5%	Y	>
Glencoe Regional Health Services	64.7%	77.0%	12.3%	.	.
Glenwood Medical Center	65.6%	75.7%	10.1%	.	.
Grand Itasca Clinic	67.0%	82.0%	15.0%	Y	.
Gundersen Clinic	69.0%	85.3%	16.3%	Y	.
HealthEast	63.4%	78.3%	14.9%	Y	.
HealthPartners Central Minnesota Clinics	74.4%	88.6%	14.2%	Y	.
HealthPartners Clinics	77.0%	89.3%	12.3%	Y	.
Hennepin Faculty Associates & HCMC Clinics	64.8%	70.8%	5.9%	.	.
Hutchinson Medical Center	51.1%	75.5%	24.4%	Y	>
Lake Region Medical Group PA	66.7%	80.2%	13.5%	Y	.
Lakeview Clinic, Ltd.	66.7%	78.4%	11.7%	Y	.
Lakewood Health Center Clinic	61.0%	76.9%	15.9%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Table 44: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Breast Cancer Screening - *continued*

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	60.8%	73.3%	12.5%	Y	
Lakewood Health System	69.7%	75.6%	5.9%	.	.
Mankato Clinic	59.3%	80.5%	21.2%	Y	>
Mayo Clinic	78.8%	87.3%	8.4%	Y	.
Mayo Clinic Health System - Fairmont	54.7%	77.0%	22.3%	Y	.
Mayo Clinic Health System - Luther Midelfort	79.6%	83.2%	3.6%	.	<
Mayo Clinic Health System- Albert Lea	70.3%	73.7%	3.4%	.	.
Mayo Clinic Health System- Austin	66.9%	68.7%	1.8%	.	<
Mayo Clinic Health System- Owatonna	75.3%	82.5%	7.3%	.	.
Mid Minnesota Family Medicine Center	58.5%	51.6%	-6.9%	.	<
Mille Lacs Clinics	53.1%	72.6%	19.5%	Y	.
Multicare Associates of the Twin Cities	60.0%	75.4%	15.4%	Y	.
Neighborhood Healthsource	46.9%	60.0%	13.1%	.	.
North Clinic	69.2%	80.4%	11.1%	Y	.
North Memorial Clinic	50.3%	72.6%	22.3%	Y	>
NorthPoint Health And Wellness Center	60.0%	75.0%	15.0%	.	.
Northwest Family Physicians	68.8%	78.6%	9.9%	.	.
Olmsted Medical Center	64.7%	81.1%	16.4%	Y	.
Open Cities Health Center	42.9%	50.0%	7.1%	.	.
Park Nicollet Health Services	69.3%	82.8%	13.5%	Y	.
Paynesville Area Health Care System	69.0%	80.0%	11.0%	Y	.
Quello Clinic	75.0%	82.9%	7.9%	.	.
Raiter Clinic, LTD-Integrity	55.6%	67.5%	11.9%	.	.
Ridgeview Clinics	58.0%	72.9%	14.9%	Y	.
Riverwood Aitkin Clinic	84.5%	82.4%	-2.1%	.	<
Sanford Clinic	63.9%	81.4%	17.5%	Y	.
Sanford Health Fargo	71.1%	81.7%	10.5%	Y	.
Scenic Rivers Health Services	78.0%	77.0%	-1.1%	.	.
St. Cloud Medical Group - Integrity	60.6%	77.0%	16.4%	Y	.
St. Luke's Clinics	53.6%	78.0%	24.4%	Y	>
Stevens Community Medical Center	57.6%	83.2%	25.6%	Y	.
Stillwater Medical Group	55.0%	73.0%	18.0%	Y	.
United Family Medicine	55.7%	63.8%	8.1%	.	.
Unity Family Healthcare - Avon	63.6%	78.0%	14.3%	Y	.
University of Minnesota Physicians	49.7%	74.8%	25.1%	Y	>
Wadena Medical Center	63.9%	71.0%	7.1%	.	.
West Side Community Health Services	49.2%	58.3%	9.2%	.	.
Winona Health	51.7%	72.6%	20.9%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Cervical Cancer Screening

One hundred twenty-four medical groups met the minimum reporting requirement of at least 30 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level was seven percentage points and is statistically significant. This means that the Cervical Cancer Screening statewide rate for MHCP patients (69 percent) was significantly lower than that of Other Purchasers (76 percent).

One hundred seventeen of the medical groups had rates for MHCP patients that were lower than Other Purchasers; 82 of these medical groups had rates for MHCP patients that were significantly lower than Other Purchasers. Seven of the 124 medical groups had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4; two of these groups had a significantly higher MHCP rate compared to Other Purchasers.

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap found at the statewide level. For the Cervical Cancer Screening measure, 20 medical groups had purchaser gaps that were significantly different than the statewide gap. Fifteen of these medical groups had a gap significantly bigger than the statewide gap; five medical groups had gaps significantly smaller than the statewide gap and two of these groups had a higher MHCP performance rate higher than Other Purchasers (see Column 6).

One medical group – **Grand Itasca Clinic** – had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (71%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (7%). Table 45 summarizes these findings.

Table 45: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Cervical Cancer Screening

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	69.1%	75.8%	6.7%	Y	
7 Day Clinic	51.4%	64.9%	13.5%	Y	.
Advanced Specialty Care For Women	97.9%	98.7%	0.7%	.	<
Affiliated Community Medical Centers	77.4%	83.3%	5.9%	Y	.
Alexandria Clinic	74.8%	81.8%	7.0%	Y	.
Allina Health System	72.0%	81.1%	9.1%	Y	>
Altru Health System	65.2%	75.4%	10.1%	Y	.
Apple Valley Medical Clinic	68.2%	80.4%	12.2%	Y	.
Avera Medical Group	77.5%	83.0%	5.5%	Y	.
Bloomington Lake Clinic, Ltd.	73.8%	83.4%	9.7%	Y	.
Broadway Medical Center	66.2%	76.4%	10.2%	Y	.
Buffalo Clinic	68.9%	79.3%	10.4%	Y	.
Catalyst Medical Clinic	60.6%	78.8%	18.2%	Y	.
CCMH-Montevideo Clinic	74.6%	79.6%	5.0%	.	.
CentraCare Health System	78.2%	85.2%	7.0%	Y	.
Community University Health Care Center	70.3%	80.3%	10.0%	Y	.
Cuyuna Regional Medical Center- Clinic Services	64.0%	72.6%	8.5%	Y	.
Dawson Clinic	86.8%	87.7%	0.8%	.	.
Dulcimer Medical Center	67.1%	83.9%	16.8%	Y	.
Duluth Family Practice Center	69.4%	70.8%	1.4%	.	.
Edina Family Physicians	72.2%	89.2%	17.1%	Y	>
ELEAH Medical Center	67.8%	74.4%	6.6%	.	.
Entira Family Clinics	71.6%	75.7%	4.0%	Y	.
Essentia Health - Central Region	46.9%	66.8%	19.9%	Y	>
Essentia Health - East Region	68.9%	74.9%	5.9%	Y	.
Essentia Health - West Region	69.3%	77.0%	7.7%	Y	.
Essentia Health Ada	70.6%	71.6%	1.0%	.	.
Essentia Health- Brainerd Specialty Clinics	74.0%	82.6%	8.6%	Y	.
Essentia Health St. Mary's	70.7%	79.9%	9.3%	Y	.
Express Healthcare	58.7%	73.6%	14.9%	Y	.
Fairview Express Care	66.0%	73.2%	7.1%	.	.
Fairview Medical Group	77.5%	84.1%	6.6%	Y	.
Fairview Mesaba Clinics	70.2%	77.2%	7.0%	Y	.
Fairview Red Wing Health Services	66.2%	78.3%	12.1%	Y	.
Family Practice Medical Center Of Willmar	78.8%	81.0%	2.2%	.	.
Familyhealth Medical Clinics	69.2%	80.9%	11.6%	Y	.
First Care Medical Services dba Essentia Health Fosston	66.5%	79.3%	12.8%	Y	.
FirstLight Health System	68.0%	73.7%	5.7%	.	.
Foley Medical Center	72.9%	68.1%	-4.8%	.	.
France Avenue Family Physicians	78.1%	87.7%	9.6%	.	.
Gateway Family Health Clinic	58.2%	70.1%	11.8%	Y	.
Glencoe Regional Health Services	73.0%	81.8%	8.8%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

**Table 45: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Cervical Cancer Screening - *continued***

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	69.1%	75.8%	6.7%	Y	
Glenwood Medical Center	58.6%	77.5%	18.9%	Y	>
Grand Itasca Clinic	75.9%	74.9%	-1.0%	.	<
Gundersen Clinic	68.6%	82.0%	13.5%	Y	>
HealthEast	75.3%	83.0%	7.8%	Y	.
HealthPartners Central Minnesota Clinics	81.0%	85.9%	4.8%	Y	.
HealthPartners Clinics	82.2%	86.4%	4.3%	Y	<
Hennepin Faculty Associates & HCMC Clinics	75.8%	80.9%	5.1%	Y	.
Hutchinson Medical Center	64.0%	71.8%	7.7%	Y	.
John A. Haugen Assoc.	92.7%	98.3%	5.6%	Y	.
Johnson Street Clinic	63.8%	73.5%	9.7%	.	.
Kittson Memorial Clinic	70.7%	66.5%	-4.2%	.	.
Lake Region Medical Group PA	64.6%	77.9%	13.3%	Y	>
Lake View Clinic - Two Harbors	65.7%	63.3%	-2.4%	.	.
Lakeview Clinic, Ltd.	71.9%	83.3%	11.4%	Y	.
Lakeview Medical Clinic	73.4%	75.5%	2.1%	.	.
Lakewood Health Center Clinic	64.7%	74.4%	9.7%	.	.
Lakewood Health System	75.6%	81.2%	5.6%	Y	.
Mankato Clinic	76.4%	82.9%	6.5%	Y	.
Mayo Clinic	72.3%	75.3%	3.0%	.	<
Mayo Clinic Health System - Fairmont	62.2%	73.8%	11.6%	Y	.
Mayo Clinic Health System - Immanuel St. Joseph	72.3%	77.2%	5.0%	Y	.
Mayo Clinic Health System - New Prague	70.8%	79.4%	8.6%	Y	.
Mayo Clinic Health System- Albert Lea	60.2%	65.6%	5.4%	Y	.
Mayo Clinic Health System- Austin	69.1%	73.9%	4.8%	Y	.
Mayo Clinic Health System- Cannon Falls	54.6%	69.3%	14.7%	.	.
Mayo Clinic Health System- Faribault	78.8%	84.1%	5.3%	.	.
Mayo Clinic Health System- Franciscan Healthcare in LaCrosse	66.0%	77.9%	11.8%	Y	.
Mayo Clinic Health System- Lake City	69.4%	73.2%	3.8%	.	.
Mayo Clinic Health System- Owatonna	71.0%	74.1%	3.1%	.	.
Mid Minnesota Family Medicine Center	68.6%	71.8%	3.2%	.	.
Mille Lacs Clinics	61.6%	79.5%	17.9%	Y	>
Minute Clinic Diagnostic, P.A	65.2%	74.7%	9.4%	Y	.
Multicare Associates of the Twin Cities	66.7%	77.4%	10.8%	Y	.
Murray County Clinic	51.1%	69.3%	18.3%	Y	.
Neighborhood Healthsource	72.1%	78.6%	6.5%	.	.
New Hope Crystal Medical Clinic	64.2%	68.9%	4.7%	.	.
North Clinic	78.2%	82.4%	4.2%	.	.
North Memorial Clinic	69.3%	79.0%	9.8%	Y	.
Northland Ob-Gyn Assoc.	87.0%	90.2%	3.2%	.	.
NorthPoint Health And Wellness Center	68.4%	80.5%	12.2%	Y	.
Northwest Family Physicians	66.7%	79.4%	12.7%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

**Table 45: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Cervical Cancer Screening - *continued***

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	69.1%	75.8%	6.7%	Y	
Obstetrics & Gynecology Associates	93.8%	97.9%	4.1%	Y	.
Olmsted Medical Center	65.3%	75.6%	10.3%	Y	>
Open Cities Health Center	65.2%	69.5%	4.2%	.	.
Ortonville Area Health Services- Northside Medical Clinic	76.4%	83.0%	6.6%	.	.
Park Nicollet Health Services	75.6%	85.4%	9.8%	Y	>
Parkview Medical Clinic	68.3%	81.8%	13.5%	Y	.
Partners OB/GYN	95.5%	97.8%	2.3%	.	.
Paul Larson Ob-Gyn Clinic, PA	93.3%	97.2%	3.9%	.	.
Paynesville Area Health Care System	67.9%	78.6%	10.7%	Y	.
Planned Parenthood Of Minnesota, North Dakota, South Dakota	82.0%	88.7%	6.6%	.	.
Premier OB/GYN of Minnesota	93.2%	96.9%	3.7%	Y	.
Quello Clinic	77.7%	83.0%	5.3%	Y	.
Raiter Clinic, LTD-Integrity	64.4%	72.3%	8.0%	Y	.
Renville County Hospital And Clinics	64.7%	76.8%	12.1%	Y	.
Ridgeview Clinics	60.5%	78.6%	18.1%	Y	>
Riverview Clinics	51.7%	77.5%	25.8%	Y	>
Riverwood Aitkin Clinic	70.7%	73.0%	2.4%	.	.
Sanford Bagley	59.2%	74.6%	15.4%	Y	.
Sanford Clinic	71.1%	83.1%	12.0%	Y	>
Sanford Health Fargo	72.9%	80.6%	7.7%	Y	.
Sawtooth Mountain Clinic	62.0%	77.6%	15.6%	Y	.
Scenic Rivers Health Services	69.6%	73.9%	4.3%	.	.
Sibley Medical Center	65.0%	64.5%	-0.5%	.	.
Smart Clinic	63.2%	70.3%	7.2%	.	.
Southside Community Health Services	60.2%	78.4%	18.2%	Y	.
St. Cloud Medical Group - Integrity	77.0%	81.6%	4.6%	Y	.
St. Luke's Clinics	62.4%	73.3%	11.0%	Y	>
St. Paul Family Medical Center	57.4%	60.0%	2.6%	.	.
Stevens Community Medical Center	58.1%	82.2%	24.1%	Y	>
Stillwater Medical Group	70.2%	76.8%	6.7%	Y	.
Target Clinic	56.9%	80.2%	23.4%	Y	>
United Family Medicine	72.6%	78.0%	5.4%	Y	.
United Hospital District Clinics	54.3%	70.9%	16.6%	Y	.
Unity Family Healthcare - Avon	75.8%	79.2%	3.5%	.	.
University of Minnesota Physicians	73.7%	81.5%	7.8%	Y	.
Virginia Regional Medical Center	69.8%	82.4%	12.6%	.	.
Wadena Medical Center	67.1%	66.4%	-0.7%	.	<
West Side Community Health Services	68.0%	76.7%	8.7%	Y	.
WestHealth Urgent Care	65.4%	77.5%	12.1%	Y	.
Williams Integrecare Clinic	71.2%	79.1%	7.9%	.	.
Winona Health	70.0%	78.0%	8.0%	Y	.
Women's Health Consultants, P.A	97.5%	97.4%	-0.1%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Colorectal Cancer Screening

Two hundred ninety-nine clinics met the minimum reporting requirement of at least 30 patients per purchaser group for this analysis. The purchaser performance rate gap at the statewide level was 20 percentage points and is statistically significant. This means that the Colorectal Cancer Screening statewide rate for MHCP patients (50 percent) was significantly lower than that of Other Purchasers (70 percent).

Two hundred eighty-seven of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, 230 had significant gaps between purchasers (see Column 5). This means that 230 clinics had significantly lower performance rates compared to Other Purchasers. Eleven of the clinics had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4).

We also assessed whether the value of the gap between purchasers at a clinic level was significantly different than the gap at the statewide level. Six clinics had a significantly bigger purchaser gap than the statewide gap; 53 clinics had a significantly smaller purchaser gap than the statewide gap and of the 53, 11 of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

The six clinics listed below in alphabetical order had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (50%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (20%). Table 46 summarizes these findings.

- HealthEast Roseville Clinic
- North Memorial - Silver Lake Clinic Blaine
- Olmsted Medical Center - Byron Clinic
- Olmsted Medical Center - Stewartville Clinic
- Paynesville Richmond Medical Clinic
- Sanford Wahpeton Clinic

Table 46: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Colorectal Cancer Screening

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	49.7%	70.1%	19.9%	Y	
Affiliated Community Medical Centers - Benson Clinic	53.7%	68.9%	15.2%	Y	.
Affiliated Community Medical Centers - Granite Falls Clinic	38.7%	63.5%	24.8%	Y	.
Affiliated Community Medical Centers - Litchfield Clinic (East)	56.1%	70.7%	14.6%	Y	.
Affiliated Community Medical Centers - Litchfield Clinic (West)	40.7%	66.1%	25.4%	Y	.
Affiliated Community Medical Centers - Marshall Clinic	55.5%	70.5%	15.0%	Y	.
Affiliated Community Medical Centers - New London Clinic	71.4%	78.7%	7.3%	.	.
Affiliated Community Medical Centers - Redwood Falls Clinic	48.0%	68.8%	20.9%	Y	.
Affiliated Community Medical Centers - Willmar Clinic	61.5%	84.3%	22.8%	Y	.
Allina Health System - Abbott NW General Medicine Assoc.- Edina	75.0%	82.0%	7.0%	.	<
Allina Health System - New Ulm Medical Center	51.7%	66.0%	14.2%	Y	.
Allina Medical Clinic - Annandale	37.8%	64.3%	26.5%	Y	.
Allina Medical Clinic - Blaine	50.0%	74.7%	24.7%	Y	.
Allina Medical Clinic - Brooklyn Park	45.0%	64.5%	19.5%	Y	.
Allina Medical Clinic - Buffalo	64.4%	78.0%	13.5%	Y	.
Allina Medical Clinic - Cambridge Medical Center	49.1%	67.0%	17.9%	Y	.
Allina Medical Clinic - Champlin	50.4%	67.3%	16.9%	Y	.
Allina Medical Clinic - Cokato	41.9%	62.6%	20.8%	Y	.
Allina Medical Clinic - Coon Rapids	52.6%	68.2%	15.6%	Y	<
Allina Medical Clinic - Cottage Grove	52.9%	63.8%	10.9%	Y	<
Allina Medical Clinic - Crossroads Chaska	66.7%	72.6%	5.9%	.	<
Allina Medical Clinic - Crossroads Shakopee Dean Lakes	54.4%	67.2%	12.9%	.	.
Allina Medical Clinic - Eagan	52.6%	72.4%	19.8%	Y	.
Allina Medical Clinic - Edina	40.7%	79.9%	39.1%	Y	>
Allina Medical Clinic - Elk River	64.0%	71.5%	7.5%	.	<
Allina Medical Clinic - Faribault	53.9%	73.4%	19.5%	Y	.
Allina Medical Clinic - Farmington	48.5%	66.1%	17.6%	Y	.
Allina Medical Clinic - Forest Lake	46.6%	63.1%	16.6%	Y	.
Allina Medical Clinic - Hastings (Nininger)	53.9%	70.3%	16.4%	Y	.
Allina Medical Clinic - Hastings (W First St)	44.5%	62.4%	17.9%	Y	.
Allina Medical Clinic - Isles	60.4%	75.6%	15.2%	Y	.
Allina Medical Clinic - Maple Grove	55.2%	70.1%	14.9%	Y	.
Allina Medical Clinic - Nicollet Mall	52.2%	75.0%	22.8%	Y	.
Allina Medical Clinic - Northfield	43.3%	68.7%	25.4%	Y	.
Allina Medical Clinic - Ramsey	56.7%	67.7%	10.9%	Y	.
Allina Medical Clinic - Shakopee	48.1%	68.0%	19.9%	Y	.
Allina Medical Clinic - Shoreview	60.6%	73.7%	13.1%	Y	.
Allina Medical Clinic - St. Michael	55.3%	60.6%	5.3%	.	.
Allina Medical Clinic - The Doctors Uptown	62.8%	77.7%	14.9%	Y	.
Allina Medical Clinic - United Medical Specialties	62.1%	73.7%	11.6%	Y	.
Allina Medical Clinic - West Health Campus	52.3%	69.3%	17.0%	Y	.
Allina Medical Clinic - West St. Paul	51.2%	68.5%	17.2%	Y	.
Allina Medical Clinic - Woodbury	56.6%	66.7%	10.1%	Y	<
Allina Medical Clinic - Woodlake	57.1%	72.3%	15.2%	Y	.
Altru Health System - Crookston	44.9%	63.0%	18.1%	Y	.
Altru Health System - Family Medicine Center	37.7%	59.8%	22.2%	Y	.
Altru Health System - Grand Forks Family Medicine Residency	32.6%	59.6%	27.0%	Y	.
Altru Health System - Main	36.5%	57.9%	21.4%	Y	.
Aspen Medical Group - Bandana Square	54.4%	68.8%	14.4%	Y	.
Aspen Medical Group - Bloomington	44.4%	67.0%	22.6%	Y	.
Aspen Medical Group - East Lake Street	52.0%	68.4%	16.5%	Y	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
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Table 46: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Colorectal Cancer Screening - *continued*

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	49.7%	70.1%	19.9%	Y	
Aspen Medical Group - Highland	67.4%	75.9%	8.4%	.	.
Aspen Medical Group - Hopkins	54.0%	72.0%	18.0%	Y	.
Aspen Medical Group - Inver Grove Heights	37.0%	57.0%	19.9%	Y	.
Aspen Medical Group - Maplewood	40.0%	57.6%	17.6%	Y	.
Aspen Medical Group - White Bear Lake	65.6%	76.5%	10.9%	.	.
Buffalo Clinic P.A. - Monticello Clinic	44.2%	60.2%	16.0%	Y	.
Buffalo Clinic P.A.- Buffalo Clinic	43.0%	63.9%	20.9%	Y	.
Burnsville Family Physicians	57.8%	65.8%	8.0%	.	.
CentraCare - Becker	65.6%	76.3%	10.7%	.	.
CentraCare - Heartland	69.7%	82.0%	12.4%	Y	.
CentraCare - St. Joseph	65.8%	83.4%	17.6%	Y	.
CentraCare Clinic-Sauk Centre	66.2%	72.5%	6.3%	.	<
CentraCare Health Plaza-Family Medicine	59.7%	82.3%	22.6%	Y	.
CentraCare Health Plaza-Internal Medicine	68.0%	90.2%	22.2%	Y	.
CentraCare Health Plaza-Women & Children OB/GYN	69.4%	78.7%	9.2%	.	.
CentraCare Health System Long Prairie	58.7%	74.5%	15.8%	Y	.
CentraCare Health System Melrose	58.0%	81.1%	23.1%	Y	.
CentraCare River Campus-Internal Medicine	75.9%	88.3%	12.4%	Y	.
Chippewa County Montevideo Hospital & Medical Clinic	34.1%	53.2%	19.1%	Y	.
Edina Sports Health & Wellness	59.5%	73.2%	13.7%	.	.
Entira Family Clinics - Como/Roseville	57.5%	71.2%	13.7%	Y	.
Entira Family Clinics - East Side	30.7%	63.0%	32.3%	Y	>
Entira Family Clinics - Highland (	59.5%	77.9%	18.4%	Y	.
Entira Family Clinics - Inver Grove Heights	54.3%	69.2%	14.9%	Y	.
Entira Family Clinics - Maplewood/Battle Creek	50.6%	78.9%	28.3%	Y	.
Entira Family Clinics - North St. Paul	46.1%	64.6%	18.5%	Y	.
Entira Family Clinics - Shoreview	48.2%	70.3%	22.0%	Y	.
Entira Family Clinics - Vadnais Heights	45.3%	71.1%	25.8%	Y	.
Entira Family Clinics - West St. Paul	46.0%	67.3%	21.2%	Y	.
Entira Family Clinics - White Bear Lake/Banning Ave	58.2%	71.8%	13.6%	Y	.
Entira Family Clinics - White Bear Lake-Bellaire Avenue	55.6%	75.0%	19.4%	Y	.
Entira Family Clinics - Woodbury	62.7%	71.1%	8.4%	.	.
Essentia Health - Ashland Clinic	50.6%	60.6%	10.0%	Y	<
Essentia Health - Aurora Clinic	38.3%	58.8%	20.6%	Y	.
Essentia Health - Deer River Clinic	54.5%	72.0%	17.6%	Y	.
Essentia Health - Duluth Clinic 1st St	62.1%	80.3%	18.2%	Y	.
Essentia Health - Ely Clinic	54.6%	66.9%	12.3%	Y	.
Essentia Health - Hayward Clinic	55.3%	70.7%	15.5%	Y	.
Essentia Health - Hermantown Clinic	48.3%	76.0%	27.7%	Y	.
Essentia Health - Hibbing Clinic	43.9%	54.9%	11.0%	Y	<
Essentia Health - Lakeside Clinic	49.5%	72.6%	23.1%	Y	.
Essentia Health - Lakewalk Clinic	51.0%	64.0%	12.9%	.	.
Essentia Health - Proctor Clinic	44.4%	59.7%	15.3%	.	.
Essentia Health - Spooner Clinic	43.6%	70.4%	26.8%	Y	.
Essentia Health - St. Mary's-Superior Clinic	55.8%	71.0%	15.2%	Y	.
Essentia Health - Virginia Clinic	44.2%	55.2%	11.0%	Y	<
Essentia Health - West Duluth Clinic	57.0%	75.5%	18.5%	Y	.
Fairview Andover Clinic	56.1%	74.0%	17.9%	Y	.
Fairview Bass Lake Clinic	76.7%	78.1%	1.5%	.	<
Fairview Blaine Clinic	45.6%	64.4%	18.8%	Y	.

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Table 46: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Colorectal Cancer Screening - *continued*

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	49.7%	70.1%	19.9%	Y	
Fairview Brooklyn Park Clinic	64.6%	77.9%	13.3%	Y	<
Fairview CedarRidge Clinic	64.3%	77.8%	13.5%	Y	.
Fairview Chisago Lakes Clinic	62.2%	76.0%	13.8%	Y	.
Fairview Columbia Heights Clinic	60.9%	74.8%	13.9%	Y	.
Fairview Crosstown Clinic	64.2%	80.3%	16.0%	Y	.
Fairview EdenCenter Clinic	56.8%	81.2%	24.4%	Y	.
Fairview Elk River Clinic	68.3%	75.0%	6.7%	.	<
Fairview Fridley Clinic	64.3%	78.5%	14.2%	Y	.
Fairview Hiawatha Clinic	71.6%	77.4%	5.8%	.	<
Fairview Highland Park Clinic	67.9%	76.8%	9.0%	.	.
Fairview Hugo Clinic	56.7%	69.9%	13.2%	.	.
Fairview Lakes Medical Center	58.8%	75.6%	16.9%	Y	.
Fairview Lino Lakes Clinic	46.9%	70.8%	23.8%	Y	.
Fairview Maple Grove Medical Center	58.6%	79.6%	21.0%	Y	.
Fairview Milaca Clinic	52.5%	74.1%	21.6%	Y	.
Fairview North Branch Clinic	50.8%	71.8%	21.0%	Y	.
Fairview Northeast Clinic	62.5%	76.1%	13.6%	Y	.
Fairview Oxboro Clinic	75.5%	79.2%	3.6%	.	<
Fairview Pine City Clinic	60.6%	69.4%	8.8%	.	.
Fairview Princeton Clinic	58.6%	77.5%	18.9%	Y	.
Fairview Red Wing Medical Center	58.7%	72.3%	13.6%	Y	.
Fairview Ridges Clinic	55.1%	80.8%	25.8%	Y	.
Fairview Riverside	25.6%	61.2%	35.5%	Y	.
Fairview Rush City Clinic	58.6%	68.9%	10.3%	Y	.
Fairview Uptown Clinic	62.3%	77.8%	15.4%	Y	.
Fairview Zimmerman Clinic	58.7%	70.0%	11.3%	.	.
Family Medical Center	49.3%	66.0%	16.7%	Y	.
Family Practice Medical Center of Willmar	47.7%	75.8%	28.1%	Y	.
FamilyHealth Medical Clinic - Northfield	38.9%	68.1%	29.2%	Y	.
FirstLight Health System - Hinckley	36.2%	57.2%	21.0%	Y	.
FirstLight Health System - Mora	51.5%	58.2%	6.7%	.	<
FirstLight Health System - Pine City	37.1%	50.5%	13.4%	.	.
France Avenue Family Physicians	50.0%	55.5%	5.5%	.	<
Gateway Family Health Clinic - Moose Lake	49.7%	71.2%	21.5%	Y	.
Gateway Family Health Clinic - Sandstone	44.3%	57.9%	13.6%	Y	.
Glencoe Regional Health Services - Glencoe	46.8%	67.5%	20.7%	Y	.
HealthEast - Cottage Grove	64.4%	77.4%	13.0%	Y	.
HealthEast - Downtown St. Paul	64.6%	83.8%	19.2%	Y	.
HealthEast - Grand Avenue	61.4%	77.9%	16.5%	Y	.
HealthEast - Maplewood	66.0%	81.1%	15.1%	Y	.
HealthEast - Midway	60.5%	87.2%	26.7%	Y	.
HealthEast - Oakdale	64.6%	80.4%	15.8%	Y	.
HealthEast - Rice Street	63.7%	74.8%	11.1%	Y	<
HealthEast - Roselawn	53.3%	70.7%	17.4%	Y	.
HealthEast - Woodbury	63.8%	83.1%	19.4%	Y	.
HealthEast Roseville Clinic	88.8%	80.9%	-7.9%	.	<
HealthPartners - Adult & Seniors Health	64.6%	80.8%	16.2%	Y	.
HealthPartners - Andover	53.2%	70.0%	16.8%	Y	.
HealthPartners - Anoka	51.6%	71.1%	19.4%	Y	.
HealthPartners - Apple Valley	55.9%	79.3%	23.3%	Y	.

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**Table 46: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Colorectal Cancer Screening - *continued***

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	49.7%	70.1%	19.9%	Y	
HealthPartners - Arden Hills	63.5%	80.0%	16.4%	Y	.
HealthPartners - Bloomington	51.5%	75.9%	24.4%	Y	.
HealthPartners - Brooklyn Center	59.9%	76.3%	16.4%	Y	.
HealthPartners - Como	50.9%	79.1%	28.2%	Y	>
HealthPartners - Coon Rapids	63.1%	77.6%	14.4%	Y	.
HealthPartners - Ctr for Internatl Hlth	64.1%	71.4%	7.3%	.	<
HealthPartners - Elk River	57.9%	70.7%	12.8%	Y	.
HealthPartners - Hlth Ctr for Women	69.0%	81.9%	12.9%	Y	.
HealthPartners - Inver Grove Heights	56.5%	73.5%	17.0%	Y	.
HealthPartners - Lino Lakes	51.4%	73.4%	22.0%	Y	.
HealthPartners - Maplewood	63.3%	80.0%	16.7%	Y	.
HealthPartners - Midway	53.8%	75.9%	22.1%	Y	.
HealthPartners - Riverside	52.3%	72.8%	20.5%	Y	.
HealthPartners - Roseville	54.4%	75.1%	20.7%	Y	.
HealthPartners - St Paul	51.5%	74.3%	22.8%	Y	.
HealthPartners - West	60.7%	77.1%	16.4%	Y	.
HealthPartners - White Bear Lake	70.1%	81.9%	11.8%	Y	.
HealthPartners - Woodbury	60.0%	77.3%	17.3%	Y	.
HealthPartners Central Minnesota Clinics	61.9%	81.4%	19.4%	Y	.
Hendricks Clinic	40.0%	55.0%	15.0%	.	.
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Center	33.6%	35.4%	1.8%	.	<
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	18.5%	16.1%	-2.4%	.	<
Hennepin County Medical Center (HCMC) Clinics - Downtown	39.9%	42.9%	3.0%	.	<
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	33.5%	13.9%	-19.7%	Y	<
HCMC Clinics - Hennepin Center for Senior Care	51.6%	56.3%	4.6%	.	.
HCMC Clinics - Internal Medicine Clinic at Parkside	49.7%	60.8%	11.1%	Y	<
Hennepin County Medical Center (HCMC) Clinics - Positive Care	41.5%	54.4%	12.9%	.	.
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	38.1%	35.7%	-2.5%	.	<
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	30.1%	24.2%	-5.9%	.	<
Hutchinson Medical Center	46.3%	68.8%	22.5%	Y	.
Integracare Ltd dba Williams Clinic	47.1%	56.3%	9.2%	.	.
Johnson Street Medical Clinic	23.5%	29.4%	5.9%	.	<
LakeWood Health Center Clinic	39.4%	60.8%	21.4%	Y	.
Lakewood Health System - Staples Clinic	62.0%	62.0%	0.0%	.	<
Mankato Clinic - Main Street	59.7%	77.9%	18.2%	Y	.
Mankato Clinic - North Mankato	66.7%	80.4%	13.7%	Y	.
Mankato Clinic - Wickersham Campus	54.0%	79.3%	25.4%	Y	.
Mayo Clinic - Baldwin Building, Family Medicine	73.4%	84.8%	11.4%	Y	.
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	58.9%	81.9%	23.1%	Y	.
Mayo Clinic - Kasson	60.9%	80.0%	19.2%	Y	.
Mayo Clinic - Northeast	65.4%	86.7%	21.3%	Y	.
Mayo Clinic - Northwest	79.0%	85.5%	6.6%	.	.
Mayo Clinic - Speciality Practice	45.8%	61.2%	15.5%	Y	.
Mayo Clinic Health System Albert Lea	48.4%	65.0%	16.6%	Y	.
Mayo Clinic Health System Austin	53.7%	72.2%	18.5%	Y	.
Mayo Clinic Health System Cannon Falls	55.6%	70.6%	15.1%	Y	.
Mayo Clinic Health System Fairmont	42.7%	59.8%	17.1%	Y	.
Mayo Clinic Health System Faribault Hwy 60	82.9%	85.9%	3.1%	.	<
Mayo Clinic Health System- Franciscan Healthcare in Caledonia	52.4%	72.9%	20.5%	Y	.
Mayo Clinic Health System Lake City	43.2%	58.1%	15.0%	Y	.

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**Table 46: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Colorectal Cancer Screening - *continued***

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	49.7%	70.1%	19.9%	Y	
Mayo Clinic Health System Le Sueur	58.0%	68.7%	10.7%	.	.
Mayo Clinic Health System Mankato Eastridge	67.2%	79.9%	12.7%	Y	.
Mayo Clinic Health System Mankato Northridge	48.0%	79.1%	31.2%	Y	.
Mayo Clinic Health System Mankato Specialty Clinic	62.5%	77.7%	15.2%	Y	.
Mayo Clinic Health System Owatonna	58.2%	72.8%	14.7%	Y	<
Mayo Clinic Health System Springfield	53.9%	73.3%	19.5%	Y	.
Mayo Clinic Health System St. James	52.2%	59.6%	7.3%	.	<
Mayo Clinic Health System St. Peter	56.2%	79.5%	23.3%	Y	.
Mayo Clinic Health System Wabasha	59.3%	66.9%	7.7%	.	<
Mayo Clinic Health System Waseca	46.5%	66.0%	19.6%	Y	.
Mid Minnesota Family Medicine Center	48.6%	65.7%	17.1%	Y	.
Multicare Associates - Blaine Medical Center	39.2%	54.1%	14.8%	Y	.
Multicare Associates - Fridley Medical Center	36.4%	54.0%	17.6%	Y	.
Multicare Associates - Roseville Medical Center	44.8%	42.3%	-2.5%	.	<
North Memorial - Silver Lake Clinic Blaine	63.9%	63.1%	-0.8%	.	<
North Memorial - Silver Lake Clinic St. Anthony	47.9%	66.5%	18.6%	Y	.
North Memorial Clinic - Brooklyn Center Physicians	64.4%	73.2%	8.8%	.	<
North Memorial Clinic - Brooklyn Park Physicians	45.2%	62.6%	17.4%	Y	.
North Memorial Clinic - Camden Physicians, Maple Grove	49.0%	69.6%	20.6%	Y	.
North Memorial Clinic - Camden Physicians, Mpls	58.2%	71.7%	13.5%	Y	.
North Memorial Clinic - Camden Physicians, Plymouth	55.1%	73.4%	18.4%	Y	.
North Memorial Clinic - Elk River Physicians	47.2%	55.5%	8.3%	.	.
North Memorial Clinic - Golden Valley Physicians	51.8%	63.2%	11.4%	Y	.
North Memorial Clinic - Maple Grove	67.9%	79.9%	12.0%	Y	.
North Memorial Clinic - Minnetonka Physicians	60.0%	73.2%	13.2%	Y	.
North Memorial Clinic - Northeast Family Physicians	35.8%	49.2%	13.4%	Y	.
NorthPoint Health & Wellness Center	44.1%	51.1%	7.0%	Y	<
Northwest Family Physicians - Crystal	50.3%	64.9%	14.5%	Y	.
Northwest Family Physicians - Plymouth	57.7%	69.8%	12.1%	.	.
Northwest Family Physicians - Rogers	62.5%	70.1%	7.6%	.	.
Olmsted Medical Center - Byron Clinic	72.2%	62.5%	-9.7%	.	<
Olmsted Medical Center - Preston Clinic	47.4%	61.9%	14.6%	.	.
Olmsted Medical Center - Rochester Northwest	56.4%	64.7%	8.3%	.	.
Olmsted Medical Center - Rochester Southeast	48.4%	69.1%	20.7%	Y	.
Olmsted Medical Center - Stewartville Clinic	58.8%	58.7%	-0.1%	.	<
Park Nicollet Clinic - Bloomington	59.2%	71.9%	12.7%	Y	.
Park Nicollet Clinic - Brookdale	52.5%	75.4%	22.9%	Y	.
Park Nicollet Clinic - Burnsville	51.8%	75.4%	23.5%	Y	.
Park Nicollet Clinic - Carlson	57.7%	81.7%	24.0%	Y	.
Park Nicollet Clinic - Chanhausen	51.1%	75.3%	24.3%	Y	.
Park Nicollet Clinic - Creekside	45.5%	63.5%	18.0%	Y	.
Park Nicollet Clinic - Eagan	51.4%	76.6%	25.2%	Y	.
Park Nicollet Clinic - Golden Valley	60.5%	78.5%	18.0%	Y	.
Park Nicollet Clinic - Maple Grove	58.1%	74.6%	16.4%	Y	.
Park Nicollet Clinic - Minneapolis	39.6%	69.6%	30.0%	Y	>
Park Nicollet Clinic - Plymouth	58.4%	79.2%	20.8%	Y	.
Park Nicollet Clinic - Prairie Center	55.0%	75.2%	20.2%	Y	.
Park Nicollet Clinic - Prior Lake	37.0%	57.2%	20.2%	Y	.
Park Nicollet Clinic - Shakopee	44.8%	57.7%	12.9%	Y	<
Park Nicollet Clinic - Shorewood	57.4%	77.4%	20.0%	Y	.

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**Table 46: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Colorectal Cancer Screening - *continued***

Clinic Level	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the clinic between purchasers.	There are significant differences between the statewide gap and the clinic gap
Statewide	49.7%	70.1%	19.9%	Y	
Park Nicollet Clinic - St. Louis Park Family Medicine	59.8%	73.7%	14.0%	Y	<
Park Nicollet Clinic - St. Louis Park Internal Medicine	64.2%	83.3%	19.1%	Y	.
Park Nicollet Clinic - Wayzata	58.7%	63.8%	5.1%	.	<
Paynesville Medical Clinic	55.1%	55.8%	0.7%	.	<
Paynesville Richmond Medical Clinic	54.1%	51.5%	-2.6%	.	<
Quello Clinic - Burnsville	55.3%	72.5%	17.2%	Y	.
Quello Clinic - Chanhassen	47.1%	79.4%	32.3%	Y	>
Quello Clinic - Edina	65.9%	80.5%	14.6%	Y	.
Quello Clinic - Lakeville	65.5%	78.1%	12.6%	Y	.
Quello Clinic - Savage	59.1%	71.9%	12.8%	.	.
Rainy Lake Medical Center	39.4%	54.7%	15.3%	Y	.
Renville County Hospital and Clinics - Olivia	43.3%	60.3%	17.0%	Y	.
Ridgeview Chanhassen Clinic	46.8%	62.1%	15.3%	Y	.
Ridgeview Delano Clinic	39.6%	55.8%	16.3%	Y	.
Ridgeview Westonka Clinic	43.2%	60.0%	16.7%	Y	.
Sanford Bemidji 1611 Anne St Clinic	57.0%	76.1%	19.1%	Y	.
Sanford Bemidji Main Clinic Family Medicine	54.3%	79.9%	25.6%	Y	.
Sanford Bemidji Main Clinic Internal Medicine	61.5%	81.6%	20.1%	Y	.
Sanford Black Duck Clinic	77.3%	89.0%	11.7%	Y	.
Sanford Broadway Internal Medicine Clinic	69.0%	79.3%	10.3%	.	.
Sanford Detroit Lakes Clinic	64.3%	73.4%	9.1%	Y	<
Sanford East Grand Forks Clinic	30.9%	42.2%	11.3%	.	.
Sanford Health Broadway Clinic - Alexandria	61.1%	71.2%	10.1%	Y	<
Sanford Health Parkers Prairie Clinic	46.7%	52.7%	6.0%	.	.
Sanford Luverne Clinic	56.2%	70.9%	14.8%	Y	.
Sanford Mountain Lake Clinic	46.9%	58.7%	11.8%	.	.
Sanford Perham Clinic	59.0%	79.3%	20.3%	Y	.
Sanford South Moorhead Family Medicine	42.9%	74.8%	31.9%	Y	>
Sanford South Moorhead Internal Medicine	66.7%	85.4%	18.8%	Y	.
Sanford Southpointe Family Medicine	44.6%	67.4%	22.8%	Y	.
Sanford Southpointe Internal Medicine	59.0%	80.3%	21.4%	Y	.
Sanford Thief River Falls Clinic	62.8%	72.9%	10.1%	Y	<
Sanford Wahpeton Clinic	57.8%	57.0%	-0.8%	.	<
Sanford Walker Clinic	46.4%	63.5%	17.1%	Y	.
Sanford Worthington Clinic	46.3%	64.5%	18.3%	Y	.
Sawtooth Mountain Clinic, Inc	49.2%	64.1%	14.9%	Y	.
Scenic Rivers Health Services - Bigfork/Big Falls	44.6%	61.1%	16.5%	Y	.
Scenic Rivers Health Services - Cook	23.6%	40.9%	17.3%	Y	.
Southside Medical Clinic	29.6%	37.1%	7.5%	.	.
United Family Medicine	45.8%	51.6%	5.7%	.	.
University of Minnesota Physicians - Bethesda Clinic	24.6%	35.4%	10.7%	Y	<
University of Minnesota Physicians - Broadway Family Medicine	24.8%	33.5%	8.7%	Y	<
University of Minnesota Physicians - Mill City Clinic	46.2%	56.0%	9.9%	.	.
University of Minnesota Physicians - Phalen Clinic	28.2%	43.4%	15.2%	Y	.
University of Minnesota Physicians - Primary Care Center	51.2%	67.2%	16.0%	Y	.
University of Minnesota Physicians - Smiley's Clinic	42.5%	52.7%	10.2%	Y	<
University of Minnesota Physicians - Women's Health Specialists	43.3%	45.4%	2.1%	.	<
Winona Health - Family Medicine	29.1%	44.0%	14.9%	Y	.
Winona Health - Winona Clinic	53.9%	62.8%	9.0%	Y	<

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Chlamydia Screening

Seventy-three medical groups met the minimum reporting requirement of at least 30 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level was 12 percentage points and is statistically significant. The sign is negative, however, which means that the Chlamydia Screening rate for MHCP patients (58 percent) was significantly higher than that of Other Purchasers (46 percent).

Six of the medical groups had rates for MHCP patients that were lower than Other Purchasers; 67 of the medical groups had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4); 32 of the 73 medical groups had a statistically significant gap between purchasers (see Column 5).

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap found at the statewide level. For the Chlamydia Testing measure, 15 medical groups had purchaser gaps that were significantly different than the statewide gap. One medical group had a gap significantly bigger than the statewide gap; 14 medical groups had gaps significantly smaller than the statewide gap and 11 of these groups had a higher MHCP performance rate than Other Purchasers (see Column 6).

The four medical groups listed below in alphabetical order had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (58%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (12%). Table 47 summarizes these findings.

- North Clinic
- Northland Ob-Gyn Assoc.
- United Family Medicine
- University of Minnesota Physicians

Table 47: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Chlamydia Screening

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	57.7%	46.2%	-11.5%	Y	
Affiliated Community Medical Centers	51.4%	46.4%	-5.1%	.	>
Alexandria Clinic	28.2%	18.6%	-9.6%	.	.
Allina Health System	63.7%	55.9%	-7.9%	Y	>
Altru Health System	35.2%	27.2%	-8.0%	.	.
Apple Valley Medical Clinic	44.1%	46.2%	2.1%	.	.
Avera Medical Group	46.1%	28.7%	-17.4%	Y	.
Broadway Medical Center	42.1%	23.3%	-18.8%	Y	.
Buffalo Clinic	61.1%	43.3%	-17.8%	Y	.
CCMH-Montevideo Clinic	56.3%	38.8%	-17.5%	.	.
CentraCare Health System	59.9%	47.7%	-12.3%	Y	.
Children's Health Care	61.1%	40.7%	-20.4%	Y	.
Community University Health Care Center	64.7%	48.9%	-15.8%	Y	.
Cuyuna Regional Medical Center- Clinic Services	44.4%	38.7%	-5.7%	.	.
Entira Family Clinics	66.3%	62.1%	-4.2%	.	>
Essentia Health - Central Region	29.0%	24.4%	-4.6%	.	.
Essentia Health - East Region	54.8%	43.1%	-11.7%	Y	.
Essentia Health - West Region	36.1%	28.9%	-7.2%	.	.
Essentia Health St. Mary's	28.4%	24.7%	-3.7%	.	.
Face To Face Health & Counseling	86.5%	80.6%	-5.9%	.	.
Fairview Medical Group	65.8%	61.2%	-4.6%	Y	>
Fairview Mesaba Clinics	62.9%	47.9%	-15.0%	Y	.
Fairview Red Wing Health Services	49.2%	64.4%	15.3%	Y	>
Family Practice Medical Center Of Willmar	54.2%	45.4%	-8.8%	.	.
First Care Medical Services dba Essentia Health Fosston	12.5%	0.0%	-12.5%	Y	.
Gateway Family Health Clinic	47.1%	44.8%	-2.3%	.	.
Glencoe Regional Health Services	56.8%	32.7%	-24.1%	Y	.
Grand Itasca Clinic	52.4%	36.3%	-16.2%	Y	.
Gundersen Clinic	59.5%	42.7%	-16.8%	.	.
HealthEast	73.8%	74.8%	1.0%	.	>
HealthPartners Central Minnesota Clinics	71.1%	65.9%	-5.2%	.	.
HealthPartners Clinics	79.6%	70.9%	-8.8%	Y	>
Hennepin Faculty Associates & HCMC Clinics	79.5%	63.5%	-16.0%	Y	.
Hutchinson Medical Center	41.3%	32.3%	-9.1%	.	.
Lake Region Medical Group PA	50.0%	31.8%	-18.2%	Y	.
Lakeview Clinic, Ltd.	50.8%	49.8%	-1.0%	.	.
Lakewood Health System	21.4%	26.2%	4.7%	.	>

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

**Table 47: Statistical Analysis Summary of Purchaser Performance Rate Gaps -
Chlamydia Screening - *continued***

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	57.7%	46.2%	-11.5%	Y	
Mankato Clinic	50.6%	42.5%	-8.0%	Y	.
Mayo Clinic	50.3%	35.7%	-14.7%	Y	.
Mayo Clinic Health System - Fairmont	56.7%	42.7%	-14.0%	.	.
Mayo Clinic Health System - Immanuel St. Joseph	47.6%	45.1%	-2.4%	.	.
Mayo Clinic Health System- Albert Lea	54.3%	50.0%	-4.3%	.	.
Mayo Clinic Health System- Austin	53.0%	42.6%	-10.4%	.	.
Mayo Clinic Health System- Faribault	65.6%	64.5%	-1.1%	.	.
Mayo Clinic Health System- Owatonna	52.8%	49.1%	-3.7%	.	.
Minute Clinic Diagnostic, P.A	51.3%	44.7%	-6.6%	.	.
Multicare Associates of the Twin Cities	53.3%	43.8%	-9.4%	.	.
North Clinic	68.5%	42.7%	-25.8%	Y	<
North Memorial Clinic	65.9%	46.4%	-19.5%	Y	.
Northland Ob-Gyn Assoc.	89.5%	60.3%	-29.2%	Y	<
NorthPoint Health And Wellness Center	81.4%	91.3%	9.9%	.	>
Northwest Family Physicians	60.0%	44.8%	-15.2%	.	.
Obstetrics & Gynecology Associates	71.1%	48.9%	-22.2%	Y	.
Olmsted Medical Center	47.3%	41.2%	-6.1%	.	.
Park Nicollet Health Services	66.6%	53.8%	-12.7%	Y	.
Partners in Pediatrics	58.7%	40.9%	-17.8%	Y	.
Paynesville Area Health Care System	54.9%	36.0%	-18.9%	Y	.
Planned Parenthood Of Minnesota, North Dakota, South Dakota	55.2%	48.6%	-6.6%	.	.
Premier OB/GYN of Minnesota	60.9%	45.6%	-15.4%	Y	.
Quello Clinic	54.7%	58.2%	3.5%	.	>
Raiter Clinic, LTD-Integrity	50.0%	39.8%	-10.2%	.	.
Riverview Clinics	33.3%	25.6%	-7.7%	.	.
Riverwood Aitkin Clinic	52.7%	23.5%	-29.2%	Y	.
Sanford Clinic	47.9%	32.0%	-15.9%	Y	.
Sanford Health Fargo	28.3%	18.5%	-9.8%	Y	.
St. Cloud Medical Group - Integrity	50.3%	49.0%	-1.3%	.	>
St. Luke's Clinics	53.4%	46.0%	-7.3%	.	.
Stillwater Medical Group	45.1%	44.2%	-0.9%	.	.
United Family Medicine	65.8%	36.4%	-29.4%	Y	<
Unity Family Healthcare - Avon	41.1%	32.7%	-8.4%	.	.
University of Minnesota Physicians	69.1%	45.6%	-23.5%	Y	<
Wadena Medical Center	32.3%	26.7%	-5.5%	.	.
West Side Community Health Services	66.4%	48.3%	-18.1%	Y	.
Winona Health	38.8%	28.8%	-10.1%	.	.

Y = Yes, statistical significance
 < = Significantly smaller purchaser gap within Medical Group than the statewide gap
 > = Significantly larger purchaser gap within Medical Group than the statewide gap

Please see next page.

Childhood Immunization Status

Seven medical groups met the minimum reporting requirement of at least 60 patients per purchaser for this analysis. The purchaser performance rate gap at the statewide level was five percentage points and is statistically significant. This means that the Childhood Immunization statewide rate for MHCP patients (74 percent) was significantly lower than that of Other Purchasers (80 percent).

All seven medical groups had rates for MHCP patients that were lower than Other Purchasers; two of these groups had a statistically significant gap between purchasers.

We also assessed whether the gap between purchasers at a medical group level was significantly different than the gap found at the statewide level. For the Childhood Immunization measure, all seven medical groups had a purchaser gap that was not significantly different than the statewide gap (see Column 6).

No medical groups had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (74%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (5%). Table 48 summarizes these findings.

Table 48: Statistical Analysis Summary of Purchaser Performance Rate Gaps - Childhood Immunization Status

Medical Group	MHCP Rate	Other Purchasers Rate	Percentage Point Rate Differences (Other-MHCP)	There is a significant gap within the medical group between purchasers.	There are significant differences between the statewide gap and the medical group gap
Statewide	74.2%	79.6%	5.4%	Y	
Allina Health System	71.3%	77.3%	6.0%	.	.
Fairview Medical Group	80.0%	82.6%	2.7%	.	.
HealthPartners Clinics	83.6%	86.8%	3.2%	.	.
Park Nicollet Health Services	77.6%	86.7%	9.2%	.	.
Partners in Pediatrics	76.3%	94.0%	17.7%	Y	.
Sanford Clinic	80.4%	83.2%	2.8%	.	.
Southdale Pediatric Associates Ltd	60.5%	77.1%	16.6%	Y	.

Y = Yes, statistical significance

Appendix 6: Glossary

Attributed patient for measures collected by health plans (administrative and hybrid) – A patient assigned, or attributed, to a medical group for measurement purposes when the patient had one or more visits to that medical group during the measurement year. If a patient visited more than one medical group during the measurement year, the patient was attributed to the clinic at which he or she was seen the greatest number of times. If the number of visits to two different medical groups was the same, the patient was attributed to the medical group he or she visited most recently. An example of an unattributed patient could be someone a health plan identified using pharmacy data. Since this patient did not visit a medical group during the measurement year, he or she could not be assigned to a medical group during the attribution process. The federal Tax Identification Number (TIN) is used as the common identifier for aggregating files across all health plans.

Attributed patient for measures collected by Direct Data Submission – Medical groups must attribute each patient to a single clinic within their medical group. Each medical group's patient attribution method is defined by the medical group and is then reviewed by MNMCM as part of the denominator certification process.

Benchmarks – The benchmarks (standards used for comparisons) include the 2012 national commercial HEDIS rate and the 2012 national Medicaid HEDIS rate. The benchmark HEDIS rate is a national average of more than 90 percent of managed health care plans and some PPO health plans that submit data to NCQA to measure performance against a detailed set of measure criteria. Benchmarks were included in this report for measures with a comparable national Medicaid HEDIS rate (Appropriate Treatment for Children with Upper Respiratory Infection, Appropriate Testing for Children with Pharyngitis, Cervical Cancer Screening, Chlamydia Screening, and Childhood Immunization Status).

Clinic – Any location where primary or specialty care ambulatory services are provided for a fee by one or more physicians.

DDS measures – Direct Data Submission process. Optimal Diabetes Care, Optimal Vascular Care, Depression Remission at Six Months, Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening results are calculated using data submitted by medical groups/clinics. These data come from electronic health records or paper-based medical charts.

Dual eligibles – Patients who were enrolled in both Medicare and Minnesota State Public programs.

HEDIS measures – Healthcare Effectiveness Data and Information Set. HEDIS measures, produced by the National Committee for Quality Assurance, are a set of standardized, quantifiable measures designed to allow reliable comparisons of the performance of insurers and care providers across a broad range of important health issues. The following are HEDIS measures: Controlling High Blood Pressure, Appropriate Medications for People with Asthma, Appropriate Treatment for Children with URI, Appropriate Testing for Children with Pharyngitis, Breast Cancer Screening, Cervical Cancer Screening, Colorectal Cancer Screening, Chlamydia Screening, and Childhood Immunization Status. The data for these measures come from health plan claims and/or medical record review. Health plan files are aggregated and then results are reported at the medical group level.

Institute for Clinical Systems Improvement (ICSI) – ICSI is an independent collaborative that helps its members provide evidence-based health care services to patients. Comprised of 62 medical groups and sponsored by five Minnesota and Wisconsin health plans, ICSI unites diverse stakeholders to deliver patient-centered and value-driven care in Minnesota and surrounding areas.

Appendix 6: Glossary

Measure categories – MN Community Measurement groups measures into the following categories to summarize medical group/clinic performance:

- **Living with Illness measures** – This category includes measures that assess how well medical groups care for patients with chronic conditions such as asthma or diabetes.
- **Getting Better measures** – This category includes measures that assess how well medical groups care for patients with common acute illnesses such as colds and sore throats.
- **Staying Healthy measures** – This category includes measures that assess how well medical groups keep individuals healthy and identify disease at an early stage when it can be treated most effectively such as cancer screenings and childhood immunizations.

Medical group – One or more clinic sites operated by a single organization, made up of many providers, at multiple clinics.

Minnesota Health Care Programs (MHCP) – These health care programs (i.e., Medical Assistance including dual eligibles and MinnesotaCare) provide service under both fee-for-service and managed care delivery systems purchased by the Minnesota Department of Human Services. This report only includes performance rates for the managed care programs (i.e., Medical Assistance including dual eligibles and MinnesotaCare).

MHCP medical group average – Represents the average performance of all medical groups for patients covered by MHCP. The MHCP medical group average includes ONLY those MHCP patients who were attributed to medical groups. Some medical groups meet the minimum threshold necessary for MN Community Measurement to report on the medical group's performance and some do not, but all of their data are included in calculating this average. This rate is the most appropriate average to use on the graphs that compare a single medical group with the performance of all medical groups. The medical group average might be slightly higher than the MHCP statewide average because it only includes patients who accessed care within the measurement year. MHCP medical group averages are only used on charts that compare groups.

MHCP statewide average – Represents the average performance rate at the statewide level for all MHCP patients. MHCP statewide averages include patients who were attributed to a medical group AND patients who were not attributed to a medical group.

MN Community Measurement (MNCM) – Minnesota Community Measurement is an independent, community-based, non-profit organization dedicated to accelerating the improvement of health in Minnesota and surrounding communities through measurement and public reporting of health care performance. For more information, visit, www.mcnm.org. MNCM's consumer-friendly website can be found at www.mnhealthscores.org.

Statewide rates – Includes patients meeting measurement criteria enrolled in managed care health plans including commercial, Medicaid managed care and Medicare managed care.

National Committee for Quality Assurance (NCQA) – A national non-profit organization dedicated to improving health care quality. NCQA accredits and certifies a wide range of health care organizations, and produces HEDIS measures.

Other Purchasers – Commercial (employer-based insurance coverage) and Medicare managed care data (excludes dual eligibles insured through MHCP). Other Purchasers includes health plan data from commercial HMO/POS and some PPO products, plus Medicare Cost and Medicare Advantage.

Self-Pay – Patients who pay for their own health care services.

Appendix 7: Measure Definitions

“Living with Illness” Measures

- **Optimal Diabetes Care** – Measures the percentage of patients with diabetes (Types 1 and 2) ages 18-75 who reached all five treatment goals to reduce the risk of cardiovascular disease. The treatment goals include hemoglobin A1c (A1c) less than 8, blood pressure less than 140/90 mmHg, LDL-C less than 100 mg/dl, daily aspirin use if co-morbidity of Ischemic Vascular Disease (IVD) and documented tobacco-free status.
- **Optimal Vascular Care** – Measures the percentage of patients with vascular disease ages 18-75 who reached all four treatment goals to reduce modifiable risk factors. The treatment goals include blood pressure less than 140/90, LDL-C less than 100 mg/dl, daily aspirin use and documented tobacco-free status.
- **Controlling High Blood Pressure** – Measures the percentage of patients ages 18-85 with a diagnosis of hypertension whose blood pressure was adequately controlled at less than 140/90 mmHg during the measurement year. The representative blood pressure is the most recent blood pressure reading during the measurement year (as long as the reading occurred after the diagnosis of hypertension was made).
- **Optimal Asthma Care** – Measures the percentage of patients ages 5-17 and ages 18-50 with persistent asthma who have reached all of the following three targets to control their asthma: evidence of well controlled asthma, not at risk for elevated exacerbation as evidenced by no patient-reported emergency department visits and hospitalizations, and has been educated about his or her asthma and self-management of the condition and has received a written asthma management plan.

“Getting Better” Measures

- **Depression Remission at Six Months** – Based on the denominator of patients with a diagnosis of major depression or dysthymia whose initial PHQ-9 score is greater than nine. Measures the percentage of patients whose PHQ-9 score is less than five at six months after their initial score was documented (the definition of remission).
- **Appropriate Treatment for Children with Upper Respiratory Infection** – Measures the percentage of children ages three months to 18 years with a diagnosis of upper respiratory infection (URI) who were not given an antibiotic prescription within three days of the episode period (July 1 of prior year to June 30 of measurement year). A higher rate represents better performance.
- **Appropriate Testing for Children with Pharyngitis** – Measures the percentage of children ages 2-18 with pharyngitis (sore throats) who were given an antibiotic and a group A streptococcus (strep) test for the episode period (July 1 of prior year to June 30 of measurement year). A higher rate represents better performance.

“Staying Healthy” Measures

- **Breast Cancer Screening** – Measures the percentage of women 52-69 who had a mammogram during the measurement year or prior year.
- **Cervical Cancer Screening** – Measures the percentage of women ages 24-64 who received one or more Pap tests to screen for cervical cancer in the measurement year or the two years prior.
- **Colorectal Cancer Screening** – Measures the percentage of adults ages 51-75 who had appropriate screening for colorectal cancer screenings.
- **Chlamydia Screening** – Measures the percentage of sexually active women aged 16-24 who had at least one test for Chlamydia infection during the measurement year.
- **Childhood Immunization Status (Combo 3)** – Measures the percentage of children two years of age who had four DTaP/DT, three IPV, one MMR, two H influenza type B, three Hepatitis B, one VZV, and four pneumococcal conjugate vaccines within the HEDIS specified time period and by their second birthday.

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MN Community Measurement
Broadway Place East, #455
3433 Broadway Street NE
Minneapolis, MN 55413

Email: info@mncm.org
Telephone: (612) 455-2911