

2011 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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2011 Health Care Disparities Report for Minnesota Health Care Programs

(For care delivered in 2010)

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2011

Health Care Disparities Report for Minnesota Health Care Programs

Table of Contents

I.	EXECUTIVE SUMMARY.....	6
II.	INTRODUCTION.....	9
III.	RESULTS AT A GLANCE.....	11
IV.	RESULTS BY MEASURE.....	15
	"Living with Illness" measures	
	▪ Optimal Diabetes Care.....	16
	▪ Optimal Vascular Care.....	26
	▪ Depression Remission at Six Months.....	32
	▪ Controlling High Blood Pressure.....	38
	▪ Optimal Asthma Care - Children Ages 5-17.....	44
	▪ Optimal Asthma Care- Adults Ages 18-50.....	44
	Getting Better" measures	
	▪ Appropriate Treatment for Children with Upper Respiratory Infection.....	60
	▪ Appropriate Testing for Children with Pharyngitis.....	66
	"Staying Healthy" measures	
	▪ Breast Cancer Screening.....	72
	▪ Cervical Cancer Screening.....	78
	▪ Colorectal Cancer Screening.....	86
	▪ Chlamydia Screening in Women.....	98
	▪ Childhood Immunization Status (Combo 3).....	104
V.	EXAMINATION OF STATEWIDE MHCP PERFORMANCE RATES BY RACE AND ETHNICITY.....	110
VI.	CONCLUSION.....	123
VII.	FUTURE PLANS.....	124
VIII.	ACKNOWLEDGEMENTS.....	125
IX.	LIST OF MEDICAL GROUPS REPORTED.....	126
X.	APPENDICES.....	128
	a. Appendix 1: Data Sources and Data Collection.....	128
	b. Appendix 2: Methods.....	130
	c. Appendix 3: Medical Group/Clinic Performance Rate Tables.....	135
	d. Appendix 4: Medical Group Performance Over Time (3-years).....	172
	e. Appendix 5: Purchaser Performance Rate Differences.....	180
	f. Appendix 6: Glossary.....	229
	g. Appendix 7: Measure Definitions.....	231

Executive Summary

The 2011 Health Care Disparities Report for Minnesota Health Care Programs reports health care performance rates for patients enrolled in the managed care component of Minnesota Health Care Programs (MHCP). These programs, which are funded by the state and federal governments and administered by health plans, include Medical Assistance, MinnesotaCare and General Assistance Medical Care. 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, and, 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), 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 share 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.

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
- Depression Remission at Six Months
- Controlling High Blood Pressure
- Optimal Asthma Care - Children Ages 5-17
- Optimal Asthma Care - Adults Ages 18-50
- 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

- Five of eight statewide measures that can be compared to previous years have improved since last year and seven of eight measures have improved over multiple years for MHCP patients (See Table 1).
- Three measures were reported for the first time this year – Optimal Asthma Care - Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening. One measure – Depression Remission at Six Months – was reported for the first time this year at the clinic level. For these four measures we were unable to make rate comparisons to previous years.
- This year, ten 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 Upper Respiratory Infection and Childhood Immunization Status – showed no significant difference between purchasers; one measure – 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 for the Colorectal Cancer Screening measure (a 19 percentage point difference), and Optimal Vascular Care and Breast Cancer Screening measures (a 13 percentage point difference). Optimal Diabetes Care followed with a 12 percentage point difference. Chlamydia Screening in Women had an 11 percentage point difference, but in this case MHCP patients had a higher performance rate than patients enrolled with Other Purchasers. (See Table 2)

Executive Summary

- Statewide gaps in performance rates between MHCP and Other Purchasers have narrowed for seven measures over time:
 - Depression Remission at Six Months (over 2 years)
 - Controlling High Blood Pressure (over 5 years)
 - Appropriate Testing for Children with Pharyngitis (over 6 years)
 - Breast Cancer Screening (over 8 years)
 - Cervical Cancer Screening (over 8 years)
 - Chlamydia Screening in Women (over 3 years)
 - Childhood Immunization Status Combo 3 (over 6 years)
- Statewide gaps in performance rates between MHCP and Other Purchasers have widened for one measure over time:
 - Appropriate Treatment for Children with URI (over 6 years)
- For two measures, we were unable to make rate comparisons to previous years because the measure specifications changed to align with emerging evidence-based guidelines (Optimal Diabetes Care and Optimal Vascular Care).
- For all thirteen 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 and ethnic groups within the MHCP patient population for the seven Health Effectiveness Data Information Set (HEDIS) measures. It was not possible to report the Optimal Diabetes Care, Optimal Vascular Care, and Depression Remission at Six Months measures by race and ethnicity because these data elements are not yet submitted by all clinics in a standard form or using best practices to collect this information from patients. As more clinics submit these data elements and the data are validated, MNMCM will be able to report these measures by race and ethnicity.
 - Controlling High Blood Pressure – An improvement from last year, more American Indians/Alaskan Native patients have their blood pressure under control and this racial group has the highest performance rate. As was true last year, the Black/African American racial group has a performance rate significantly below the statewide MHCP rate. The Black/African American group has a significantly lower rate compared to the Asian/Pacific Islander/Native Hawaiian and White racial groups.
 - Appropriate Treatment for Children with Upper Respiratory Infection – Black/African American patients have the highest rate of receiving appropriate treatment for children with URI and this group, along with the American Indian/Alaskan Native group, has a significantly higher rate than the statewide MHCP rate. White patients have the lowest rate compared to the other known racial groups and are the only known racial group with a performance rate significantly below the statewide MHCP rate.
 - Appropriate Testing for Children with Pharyngitis - As was true last year, Black/African American patients have the highest rate of receiving appropriate testing for children with pharyngitis. This group, along with the Multi-racial group, has a rate significantly above the statewide MHCP rate. Asian patients have the lowest rate.
 - Breast Cancer Screening – Multi-racial patients have the highest rate of breast cancer screening; American Indians/Alaskan Natives have the lowest rate, and, along with Blacks/African Americans, have a significantly lower rate than the statewide MHCP rate.

Executive Summary

- Cervical Cancer Screening – Black/African American and Multi-racial patients have the highest rates of cervical cancer screening; both groups have a performance rate significantly above the statewide MHCP rate. The American Indian/Alaskan Native racial group has the lowest rate of cervical cancer screening compared to the other known racial groups and is the only racial group with a rate significantly lower than the statewide MHCP rate.
- Chlamydia Screening in Women - Black/African American patients have the highest rate of chlamydia screening and this racial group, along with Multi-racial patients and American Indian/Alaskan Natives has a performance rate significantly above the statewide MHCP rate. The Asian and White patients have the lowest rates for known racial groups. Whites have a significantly lower rate than the statewide MHCP rate.
- Childhood Immunization Status (Combo 3) – As was true last year, of the known racial groups, White patients have the highest childhood immunization rate. American Indian/Alaskan Native patients have the lowest rate, and this group, along with Asian and Black/African American patients, have a childhood immunization rate significantly lower than the statewide MHCP rate.
- Differences exist between Hispanic and Non-Hispanic patients within the MHCP patient population for the seven HEDIS measures.
 - For three measures - Breast Cancer Screening, Cervical Cancer Screening and Childhood Immunization Status - Hispanic patients have a significantly higher rate than the MHCP statewide and Non-Hispanic rates.
 - Hispanic patients have higher performance rates compared to Non-Hispanic patients for five measures - Controlling High Blood Pressure, Breast Cancer Screening, Cervical Cancer Screening,, Chlamydia Screening, and Childhood Immunization Status.
 - Non-Hispanic patients have a higher performance rate compared to Hispanic patients for one measure- Appropriate Treatment for Children with URI

The Minnesota Department of Human Services and MN Community Measurement are committed to continuing our partnership to publicly report this information. Public reporting can 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. To make improvements, medical groups and clinics must thoroughly examine their performance data, continually seek to understand the unique needs of their patients, and implement targeted interventions to meet those needs.

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Introduction

Major gaps exist between the health care that people should receive and the care they actually receive. This is supported by a large body of literature documenting that disparities exist in the delivery of health care in the United States. Yet, despite this proof and many efforts by stakeholders, gaps in care continue to persist. Research also 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.

The literature highlights the need to directly and indirectly address disparities in health status and in health care. Increasing accountability for these health and health care disparities is warranted since the evidence showing that low-income patients face barriers to obtaining high-quality health care continues to grow. For some quality indicators, the gaps between groups defined by socioeconomic status and by race or ethnicity have actually grown⁸. 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}

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.

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 system. 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 The motivation to improve is driven in part 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 managed care patients. 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 when compared to the overall population in Minnesota.

The 2011 Health Care Disparities Report for Minnesota Health Care Programs (reporting on health care delivered in 2010) is the fifth such report produced by MN Community Measurement (MNCM) in collaboration with the Minnesota Department of Human Services to report health care performance rates for patients enrolled in MHCP. In addition, differences in health care performance rates between patients enrolled in state/federally funded public programs and those in Other Purchasers (private, employer-sponsored health care insurance or Medicare programs) are presented at a statewide, medical group and, for some measures, a clinic level. 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 clinic practices that have common ownership, where patients receive health care services. MHCP are state /federal funded programs for Medical Assistance, MinnesotaCare and General Assistance Medical Care, for both managed care and fee for service patients. In this report, only MHCP managed care patient results are included.

Introduction

The first Health Care Disparities Report (published in 2007 and reporting on care delivered in 2006), was a “first in the nation” effort that highlighted differences (both statewide and at a medical group level) in health care performance rates between MHCP managed care patients and patients enrolled with Other Purchasers. Medicare Fee-For-Service patients were not included in the Other Purchaser category. It heightened awareness and made transparent that performance rate differences exist for patients enrolled in MHCP versus Other Purchasers even within the same medical group.

This 2011 Health Care Disparities Report represents the fifth release of this report. This report includes 10 measures selected by DHS based on their relevance to patients enrolled in MHCP. Most of the performance measures in this report were developed by the National Committee for Quality Assurance (NCQA) and are known as Health Effectiveness Data 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 are supplemented by medical record review if measures require clinical data. For more information on methods see Appendix 2.

We include performance measures developed by Minnesota Community Measurement – 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. Another category includes measures that reflect how well providers care for patients with common acute illnesses and are referred to as “Getting Better” measures. A third category includes measures that reflect how well providers keep individuals healthy or identify disease at an early stage, when it can be treated most effectively. These measures are referred to as “Staying Healthy” measures.

Additionally, we report MHCP performance rates by race and ethnicity at the statewide level using patient-reported data collected by the Minnesota Department of Human Services when individuals enroll in Minnesota Health Care Programs. Results show differences in performance rates among 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 - 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 system.

Results at a Glance

MHCP Statewide Rate Comparisons to Previous Years

Table 1 displays the MHCP statewide results for report year 2011 and compares these results to previous years. The measures with the highest MHCP rates were Appropriate Treatment for Children with URI (89.3%) and Appropriate Testing for Children with Pharyngitis. The measure with the lowest MHCP rate was Depression Remission at Six Months (3.5%).

Three of the thirteen statewide measures showed statistically significant improvements from report year 2010. Controlling High Blood Pressure had the largest gain, followed by the two “Getting Better” measures- Appropriate Treatment for Children with URI and Appropriate Testing for Children with Pharyngitis. Three of the four “Staying Healthy” measures showed significant declines from report year 2010 - Breast Cancer Screening, Cervical Cancer Screening and Childhood Immunization Status. Two measures – Optimal Diabetes Care and Optimal Vascular Care– could not be compared to previous years because measure specifications changed in 2011. Three measures – Optimal Asthma Care- Children Ages 5-17, Optimal Asthma Care - Adults Ages 18-50, and Colorectal Cancer Screening – could not be compared to previous years because this was the first year these measures were reported.

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 (30 percentage points) followed by Breast Cancer Screening (27 percentage points). Childhood Immunization Status has been reported for five years and also improved by a large gain (26 percentage points). The changes in Appropriate Testing for Children with Pharyngitis, Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization Status 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 2010 Report Year Compared with Previous Years

Quality Measure	2011 MHCP Statewide Average	MHCP Percentage Point Change Statewide (Report Year 2011-2010)	MHCP Percentage Point Change Over Time (Report Year 2011-First Year Reported)
“Living with Illness” measures			
Optimal Diabetes Care*	27.2%	N/A	N/A
Optimal Vascular Care*	28.2%	N/A	N/A
Depression Remission at Six Months	3.5%	0.4 ↑	N/A
Controlling High Blood Pressure*	71.8%	4.9** ↑	10.5** ↑ (5 years)
Optimal Asthma Care - Children Ages 5-17*	17.9%	N/A	N/A
Optimal Asthma Care - Adult Ages 18-50*	10.6%	N/A	N/A
“Getting Better” measures			
Appropriate Treatment for Children with URI	89.3%	1.4** ↑	2.9 ↑ ↑ (6 years)
Appropriate Testing for Children with Pharyngitis	85.2%	1.5** ↑	13.6** ↑ (6 years)
“Staying Healthy” measures			
Breast Cancer Screening (Mammograms)	60.6%	1.9** ↓	27.1** ↑ (8 Years)
Cervical Cancer Screening (Pap test)	70.6%	0.9** ↓	29.9** ↑ (8 Years)
Colorectal Cancer Screening*	47.4%	N/A	N/A
Chlamydia Screening in Women (Ages 16-24)	57.5%	0.9 ↑	1.4 ↑ (3 years)
Childhood Immunization Status (Combo 3) *	71.1%	4.3** ↓	21.9** ↑ (6 Years)

* These statewide averages are calculated from 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

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, 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 eleven of the thirteen 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 (19 percentage points), followed by Breast Cancer Screening and Optimal Vascular Care (13 percentage points), and Optimal Diabetes Care (12 percentage points). Chlamydia Screening has the fourth widest gap (11 percentage points), but the MHCP rate was higher than the rate for Other Purchasers.

For seven of the thirteen measures, the statewide gap (Other Purchasers - MHCP) has narrowed over time, and the narrowing was statistically significant for Appropriate Treatment for Children with Pharyngitis, Breast Cancer Screening, and Cervical Cancer Screening. For one measure— Appropriate Treatment for Children with URI – the statewide gap (Other Purchasers - MHCP) widened over time but the change was not statistically significant.

Table 2: Summary of Statewide Rate Gaps

Quality Measure	2011 MHCP Statewide Average	2011 Other Purchasers Statewide Average	Rate Difference (2011) (Other purchasers - MHCP)	Rate Difference (Current Year vs. First Year) Over time (Other Purchasers- MHCP)
“Living with Illness” measures				
Optimal Diabetes Care*	27.2%	39.2%	12.0%**	N/A
Optimal Vascular Care*	28.2%	41.4%	13.2%**	N/A
Depression Remission at Six Months	3.5%	6.1%	2.6%**	Gap Narrowed (2009-2010)
Controlling High Blood Pressure*	71.8%	75.9%	4.1%**	Gap Narrowed (2007-2011)
Optimal Asthma Care - Children Ages 5-17*	17.9%	27.9%	10.0%**	N/A
Optimal Asthma Care - Adults Ages 18-50*	10.6%	18.1%	7.5%**	N/A
“Getting Better” measures				
Appropriate Treatment for Children with URI	89.3%	88.6%	-0.7%	Gap Widened (2006-2011)
Appropriate Testing for Children with Pharyngitis	85.2%	90.2%	5.0%**	Gap Narrowed** (2006-2011)
“Staying Healthy” measures				
Breast Cancer Screening	60.6%	73.9%	13.3%**	Gap Narrowed** (2004-2011)
Cervical Cancer Screening	70.6%	77.1%	6.5%**	Gap Narrowed ** (2004-2011)
Colorectal Cancer Screening*	47.4%	66.6%	19.2%**	N/A
Chlamydia Screening in Women (Ages 16-24)	57.5%	46.5%	-11.0%**	Gap Narrowed (2009-2011)
Childhood Immunization Status (Combo 3) *	71.1%	71.6%	0.5%	Gap Narrowed** (2006-2011)

* 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 or the measure is reported for the first time in 2011.

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.

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Results by Measure

2011 Report (2010 Dates of Service)

This section presents rates for each of the ten 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, 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) 18- 75 who reached all of the following five 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 27 percent and the rate for Other Purchasers was 39 percent. This means that statewide, only 27 percent of patients enrolled in MHCP reached all five treatment goals while 39 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	27.2%	26.5% - 27.9%	14,943
Other Purchasers	39.2%	38.9% - 39.5%	97,933

*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.

No Figure 3.1 for this measure: Optimal Diabetes Care Statewide Rates over Time

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

No Figure 3.2 for this measure: Optimal Diabetes Care: Statewide Gaps between Purchasers by Year

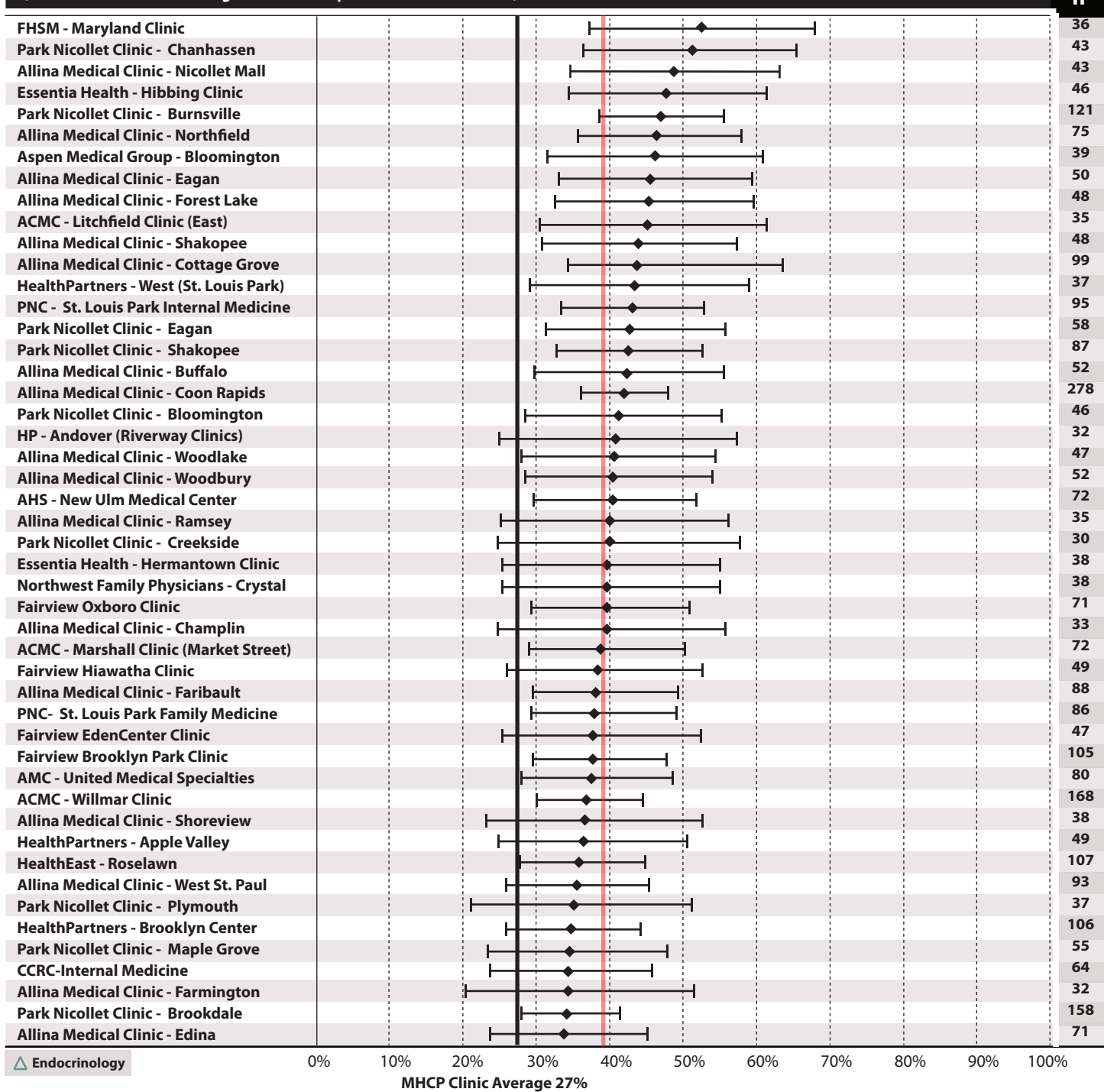
The measurement specifications changed since last year so a comparison over time is not possible.

Clinic Level Performance Highlights

Chart 3.1 provides the MHCP Optimal Diabetes Care rate by clinic from highest to lowest. It also includes the average clinic rates for MHCP and Other Purchasers. For the 2011 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 10,907 of the 14,943 MHCP patients (73 percent) who were eligible for this measure statewide. The 143 reportable clinics account for 27 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 most successful clinic, **Family HealthServices Minnesota- Maryland Clinic**, achieved optimal diabetes care with 53 percent of their MHCP patients, while the least successful, **Broadway Medical Center-Alexandria**, only achieved optimal diabetes care for 5 percent of their MHCP patients. Performance variation is not unique to MHCP and provides evidence that there is room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

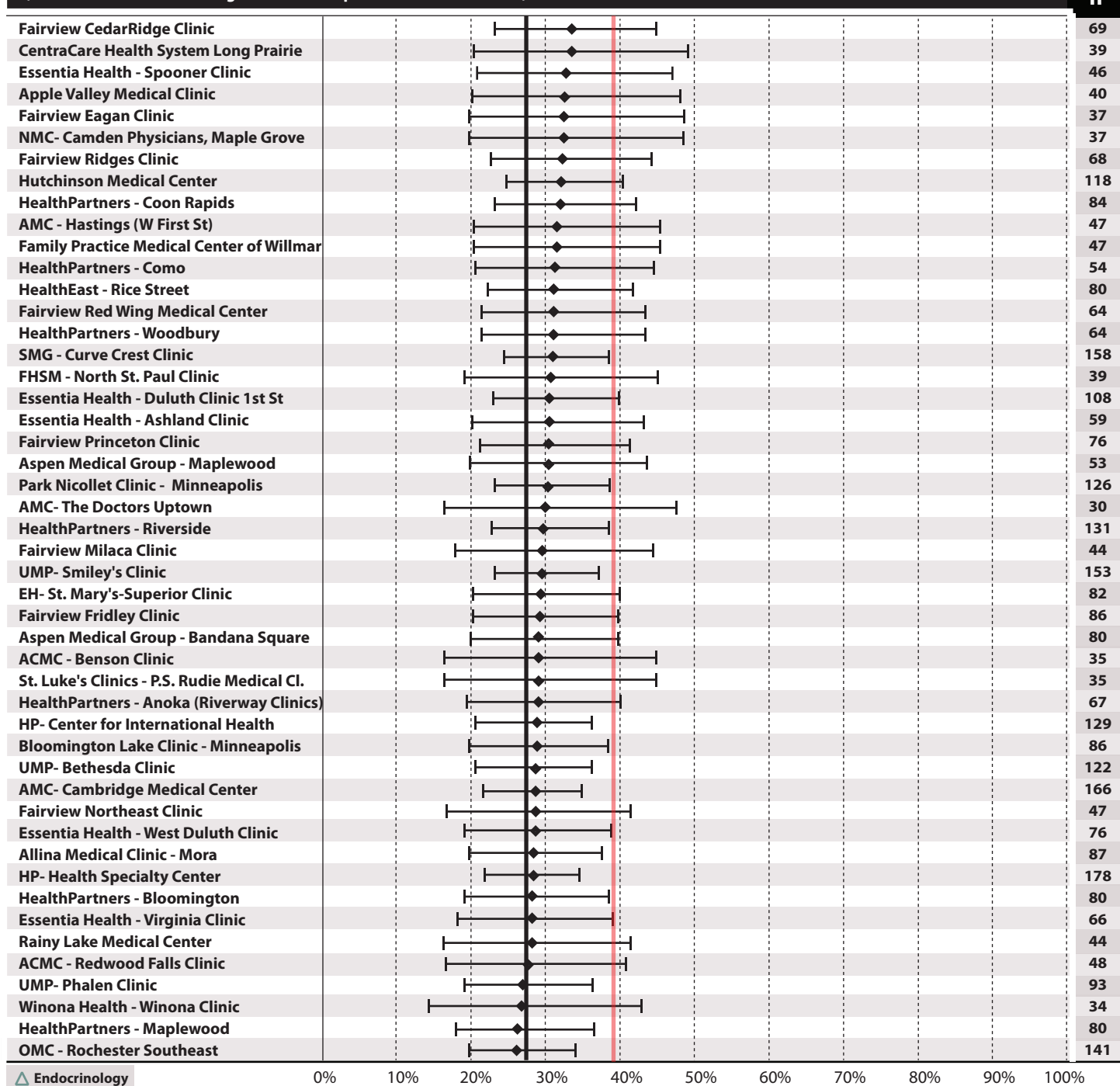
Chart 3.1: Optimal Diabetes Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 CCRC - CentraCare River Campus
 FHSM - Family HealthServices Minnesota
 HFA - Hennepin Faculty Associates
 HP - HealthPartners
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic

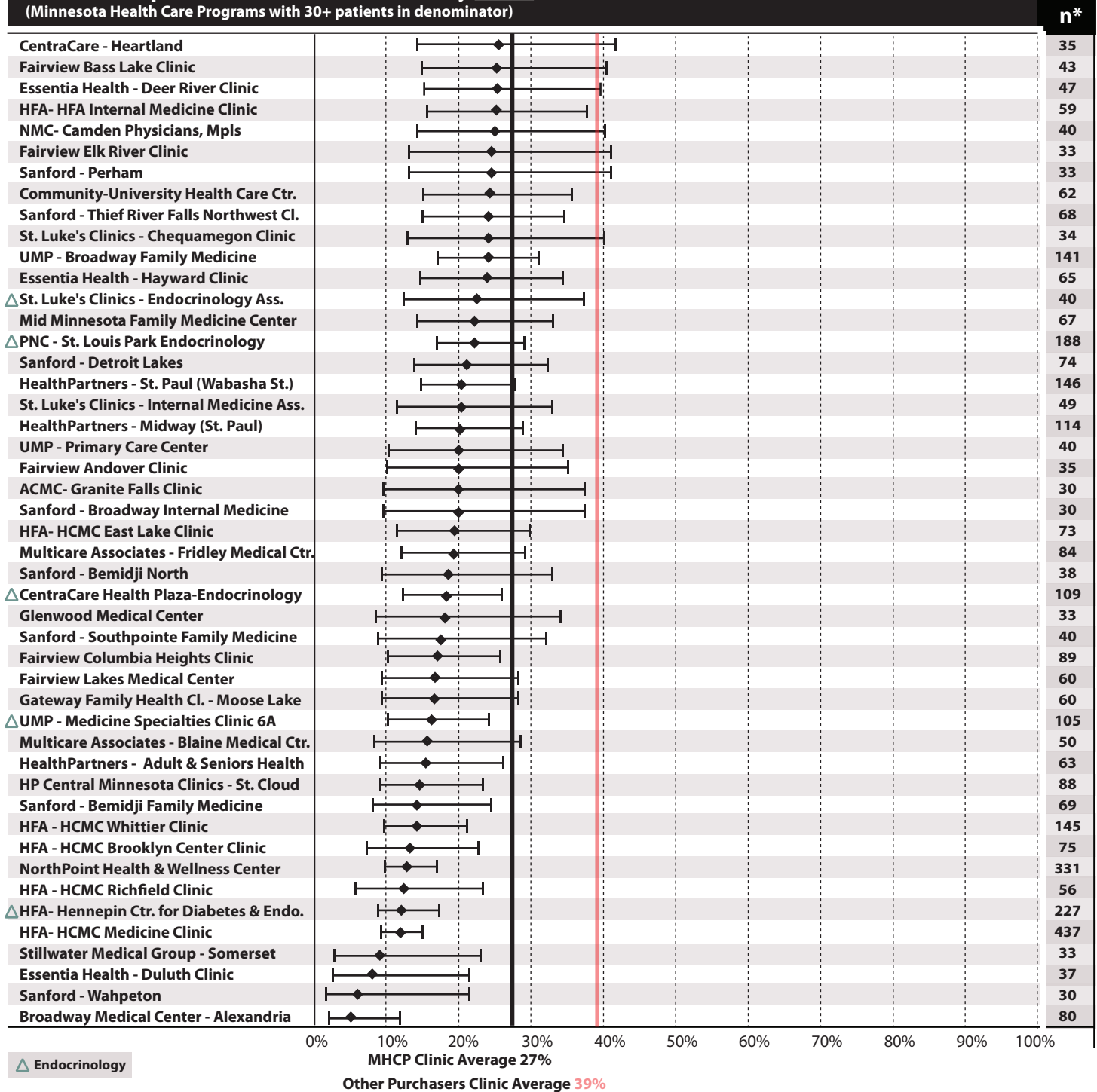
Chart 3.1: Optimal Diabetes Care Rates by Clinic

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



ACMC - Affiliated Community Medical Centers
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HFA - Hennepin Faculty Associates
 HP - HealthPartners
 NMC - North Memorial Clinic
 OMC - Olmsted Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 SMG - Stillwater Medical Group
 UMP - University of Minnesota Physicians

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



ACMC - Affiliated Community Medical Centers
 FHSM - Family HealthServices Minnesota
 HFA - Hennepin Faculty Associates
 HP - HealthPartners
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Performance Highlights - Clinic Level Results

Clinics with Above Average MHCP Rates in Report Year 2011

Family HealthServices - Maryland Clinic had the highest rate of **Optimal Diabetes Care** for their MHCP patients, at 53 percent. Thirty clinics had rates and confidence intervals that were fully above the clinic average of 27 percent for patients enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Family HealthServices Minnesota - Maryland Clinic
- Park Nicollet Clinic - Chanhassen
- Allina Medical Clinic - Nicollet Mall
- Essentia Health- Hibbing Clinic
- Park Nicollet Clinic - Burnsville
- Allina Medical Clinic - Northfield
- Aspen Medical Group - Bloomington
- Allina Medical Clinic - Eagan
- Allina Medical Clinic - Forest Lake
- Affiliated Community Medical Centers - Litchfield Clinic (East)
- Allina Medical Clinic - Shakopee
- Allina Medical Clinic - Cottage Grove
- HealthPartners - West (St. Louis Park)
- Park Nicollet Clinic - St. Louis Park Internal Medicine
- Park Nicollet Clinic - Eagan
- Park Nicollet Clinic - Shakopee
- Allina Medical Clinic - Buffalo
- Allina Medical Clinic - Coon Rapids
- Park Nicollet Clinic - Bloomington
- Allina Medical Clinic - Woodlake
- Allina Medical Clinic - Woodbury
- Allina Health System - New Ulm Medical Center
- Fairview Oxboro Clinic
- Affiliated Community Medical Centers - Marshall Clinic (Market Street)
- Allina Medical Clinic - Faribault
- Park Nicollet Clinic - St. Louis Park Family Medicine
- Fairview Brooklyn Park Clinic
- Allina Medical Clinic - United Medical Specialists
- Affiliated Community Medical Centers - Willmar Clinic
- Park Nicollet Clinic - Brookdale

Biggest Improvement from 2010-2011

Not applicable due to changes in the measurement specifications.

Clinic Level Performance Over Time (2009-2011)

Not applicable due to changes in the measurement specifications.

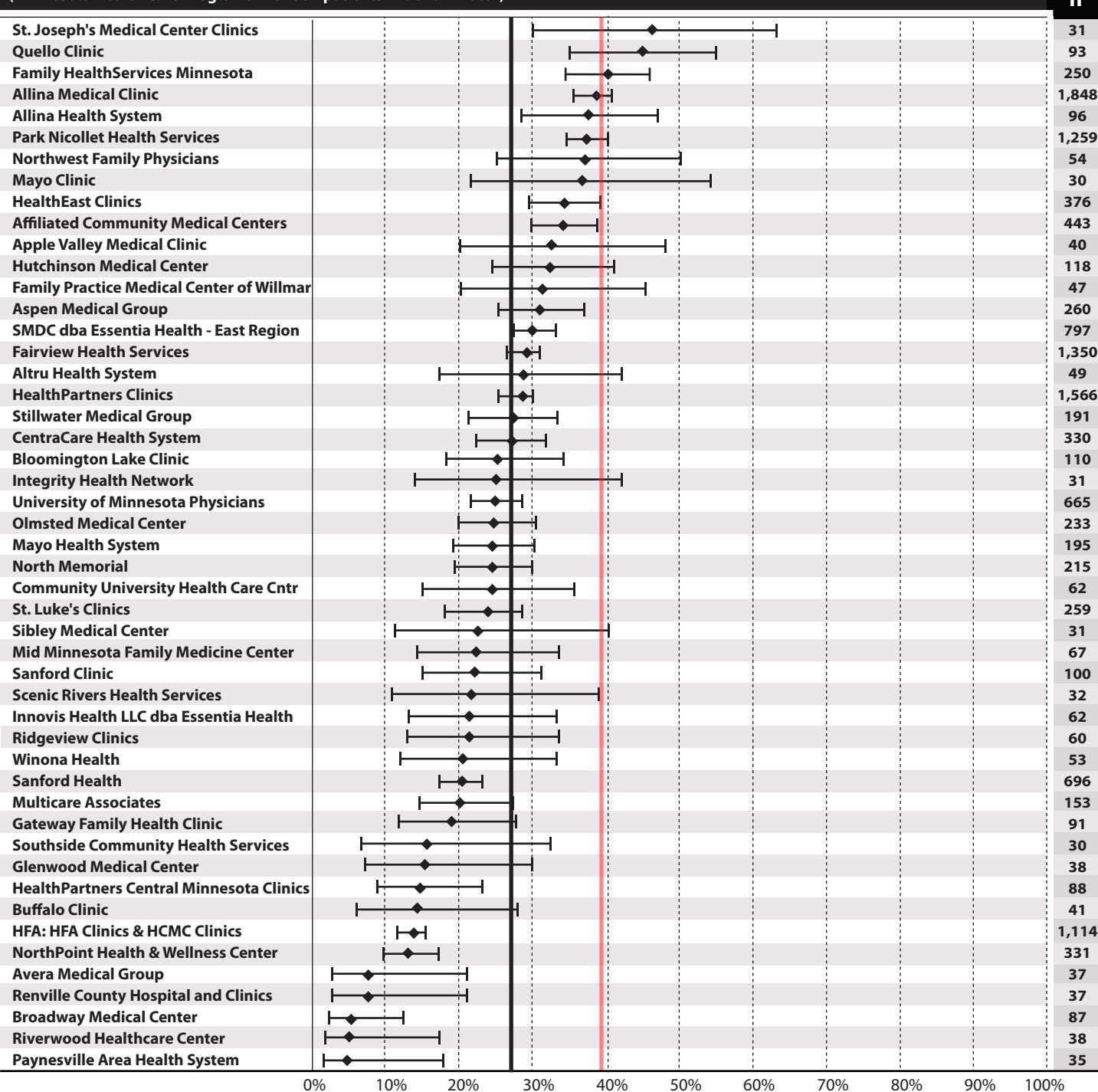
Medical Group Performance Highlights

Chart 3.2 provides the MHCP Optimal Diabetes Care rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2011 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 49 medical groups account for 14,291 of the 14,943 MHCP patients (96 percent) who were eligible for this measure statewide. The 49 reportable medical groups account for 41 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 most successful medical group, **St. Joseph's Medical Center Clinics**, achieved optimal diabetes care with 47 percent of their MHCP patients, while **Riverwood Healthcare Center and Paynesville Area Health System** were only able to achieve optimal diabetes care for 5 percent of their MHCP patients. Performance variation is not unique to MHCP and provides evidence that there is 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 27%
 Other Purchasers Medical Group Average 39%

HFA - Hennepin Faculty Associates
 SMDC - St. Mary's Duluth Clinic

— 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

St. Joseph's Medical Center Clinics had the highest rate of **Optimal Diabetes Care** with their MHCP patients, at 47 percent. Eight medical groups had rates and confidence intervals that were fully above 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.

- St. Joseph's Medical Center Clinics
- Quello Clinic
- Family HealthServices Minnesota
- Allina Medical Clinic
- Allina Health System
- Park Nicollet Health Services
- HealthEast Clinics
- Affiliated Community Medical Centers

Biggest Improvement from 2010-2011

Not applicable due to changes in the measurement specifications.

Medical Group Performance Over Time (2009-2011)

Not applicable due to changes in the measurement specifications.

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“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 of the following four treatment goals to reduce the risk of cardiovascular disease:

- Blood pressure less than 130/80 mmHg, or less than 140/90 if patients have a co-morbidity of diabetes.
- 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 28 percent and the rate for Other Purchasers was 41 percent. This means that, statewide, only 28 percent of patients enrolled in MHCP reached all four treatment goals while 41 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	28.2%	26.9% - 29.6%	4,148
Other Purchasers	41.4%	40.9% - 41.8%	30,280

*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.

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

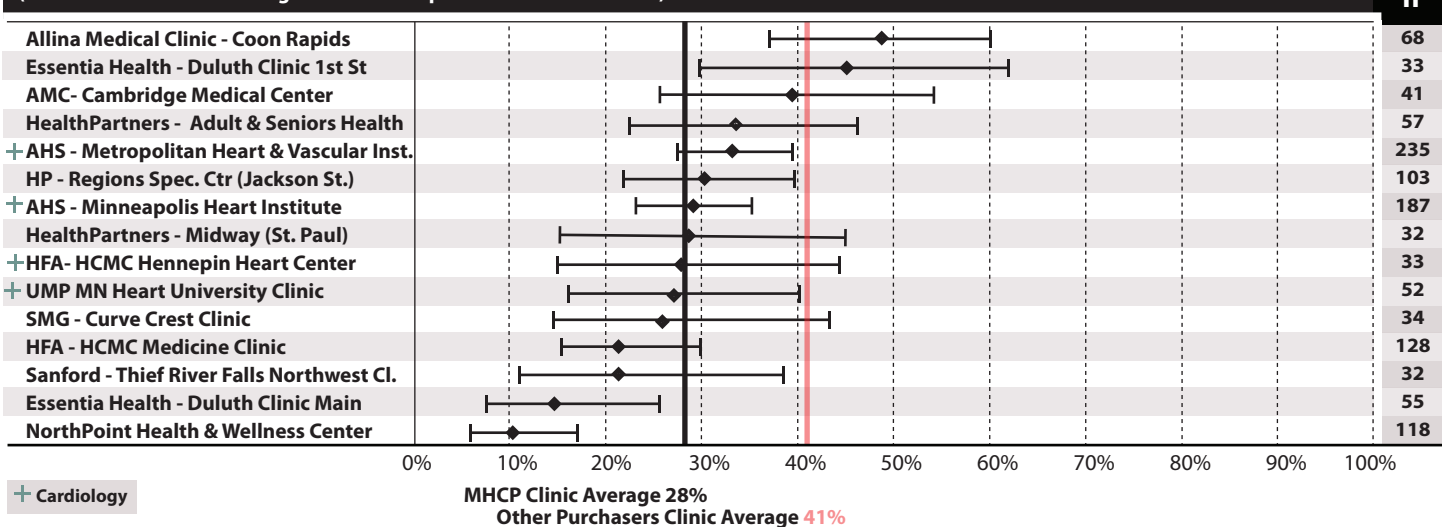
The measurement specifications changed since last year so a comparison over time is not possible.

Clinic Level Performance Highlights

Chart 4.1 provides the MHCP Optimal Vascular Care rate by clinic from highest to lowest. It also includes the average clinic rates for MHCP and Other Purchasers. For the 2011 report year, 15 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 15 clinics account for 1,208 of the 4,148 MHCP patients (29 percent) who were eligible for this measure statewide. The 15 reportable clinics account for 4 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 most successful clinic, **Allina Medical Clinic - Coon Rapids**, achieved optimal vascular care with 49 percent of their MHCP patients, while **NorthPoint Health and Wellness Center**, the least successful, achieved it with only 10 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)



— 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

AHS - Allina Health System
AMC - Allina Medical Clinic
HFA - Hennepin Faculty Associates
HP - HealthPartners
SMG - Stillwater Medical Group
UMP - University of Minnesota Physicians

Performance Highlights - Clinic Level Results

Clinics with Above Average MHCP Rates in Report Year 2011

Allina Medical Clinic- Coon Rapids had the highest rate of **Optimal Vascular Care** with their MHCP patients, at 49 percent. Three clinics had rates and confidence intervals that were fully above the clinic average of 28 percent for patients enrolled in MHCP. These clinics are listed below in order of high to low performance.

- Allina Medical Clinic- Coon Rapids
- Essentia Health- Duluth Clinic 1st Street

Biggest Improvement from 2010-2011

Not applicable due to changes in the measurement specifications.

Clinic Level Performance Over Time (2009-2011)

Not applicable due to changes in the measurement specifications.

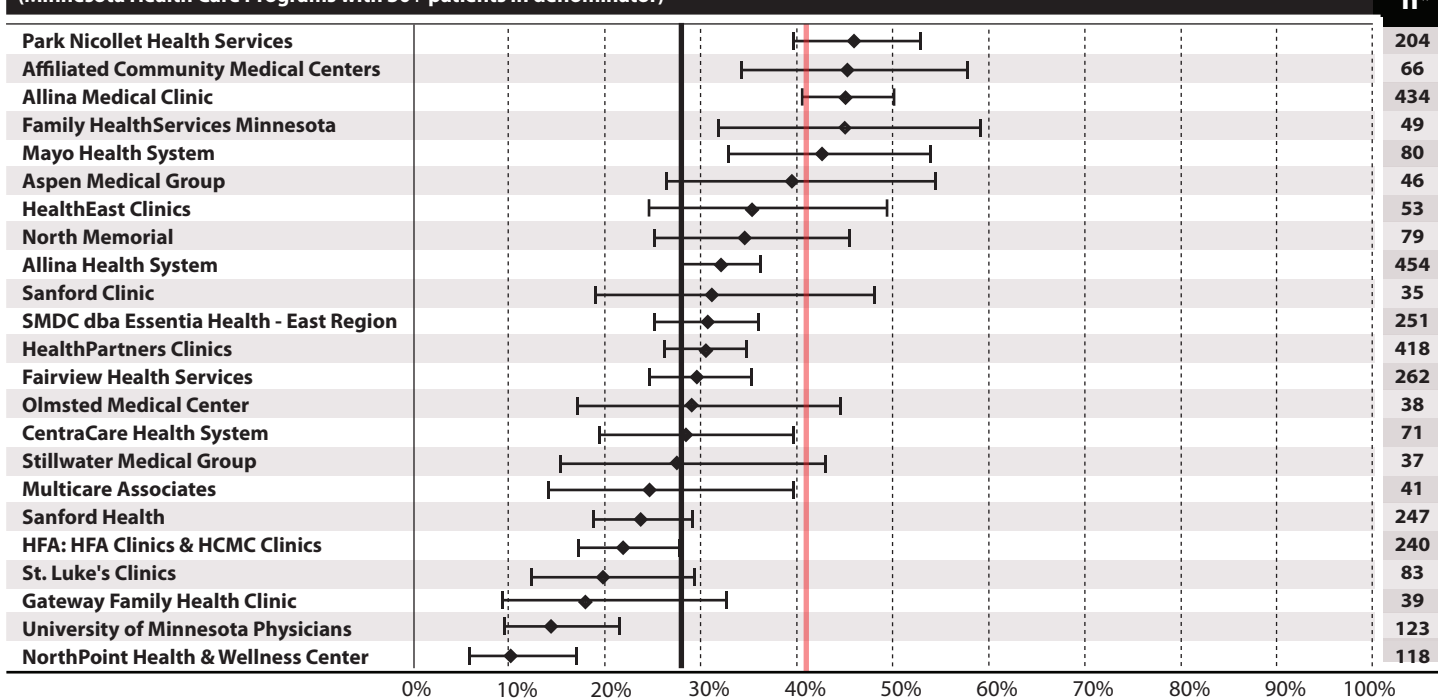
Medical Group Performance Highlights

Chart 4.2 provides the MHCP Optimal Vascular Care rate by medical group from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2011 report year, 23 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 23 medical groups account for 3,468 of the 4,148 MHCP patients (84 percent) who were eligible for this measure statewide. The 23 reportable medical groups account for 22 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 most successful medical group, **Park Nicollet Health Services**, achieved optimal vascular care with 46 percent of their MHCP patients, while **NorthPoint Health and Wellness Center**, the least successful, achieved it with only 10 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)



HFA - Hennepin Faculty Associates
SMDC - St. Mary's Duluth Clinic

MHCP Medical Group Average 28%

Other Purchasers Medical Group Average 41%

—| 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Park Nicollet Health Services had the highest rate of **Optimal Vascular Care** with their MHCP patients, at 46 percent. Five medical groups had rates and confidence intervals that were fully above the medical group average of 28 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Park Nicollet Health Services
- Affiliated Community Medical Centers
- Allina Medical Clinic
- Family HealthServices Minnesota
- Mayo Health System

Biggest Improvement from 2010-2011

Not applicable due to changes in the measurement specifications.

Medical Group Level Performance Over Time (2009-2011)

Not applicable due to changes in the measurement specifications.

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“Living with Illness” 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 6 percent. This means that, statewide, only 4 percent of patients enrolled in MHCP are being appropriately managed for depression while 6 percent of patients enrolled with Other Purchasers are appropriately managed. Table 5.1 displays these statewide rates.

Table 5.1: Statewide Weighted Rates* for Depression Remission at Six Months

Purchasers	Statewide Weighted Rate*	95% CI	Denominator (Patients Sampled)
MHCP	3.5%	3.1% - 3.9%	9,108
Other Purchasers	6.1%	5.9% - 6.4%	32,178

*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.

No Figure 5.1 for this measure:

Depression Remission at Six Months Statewide Rates over Time

This is the first year of reporting for this measure.

No Figure 5.2 for this measure:

Depression Remission at Six Months: Statewide Gaps between Purchasers by Year

This is the first year of reporting for this measure.

Clinic Level Performance Highlights

Chart 5.2 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 2011 report year, 100 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 100 clinics account for 6,250 of the 9,108 MHCP patients (69 percent) who were eligible for this measure statewide. The 100 reportable clinics account for 39 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 most successful clinic, **Mankato Clinic- Wickersham Campus**, achieved depression remission at six months with 12 percent of their MHCP patients, while twenty-two clinics were unable to achieve best practices with any of their MHCP patients. A detailed table of clinic rates can be found in Appendix 3.

Chart 5.1: Depression Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 EH - Essentia Health
 FHSM - Family HealthServices Minnesota
 HFA - Hennepin Faculty Associates
 HP - HealthPartners
 MHS - Mayo Health System
 NMC - North Memorial Clinic
 OMC - Olmsted Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Chart 5.1: Depression Care Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers
ACP - Associated Clinic of Psychology
FHSM - Family Health Services Minnesota
HFA - Hennepin Faculty Associates
HP - HealthPartners
MC - Mayo Clinic
NMC - North Memorial Clinic
PNC - Park Nicollet Clinic
SMDC - St. Mary's Duluth Clinic

Performance Highlights - Clinic Level Results

Clinics with Above Average MHCP Rates in Report Year 2011

Mankato Clinic- Wickersham Campus had the highest rate of **Depression Remission at Six Months** for their MHCP patients, at 12 percent. Seven clinics had rates and confidence intervals that were fully above the clinic average of 4 percent for patients enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Mankato Clinic - Wickersham Campus
- Allina Medical Clinic- Edina
- HealthPartners Behavioral Health- Inver Grove Heights
- Allina Medical Clinic- Forest Lake
- St. Joseph's- Brainerd Clinic
- Allina Medical Clinic- Hastings (W First St)
- Aspen Medical Group- Bandana Square

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

Clinic Level Performance Over Time (2009-2011)

Not applicable because this is the first year of reporting for this measure.

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"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 72 percent; the rate for patients enrolled with Other Purchasers was 76 percent. Table 6 displays these statewide rates.

Table 6: Statewide Weighted Rates* for Controlling High Blood Pressure

Purchasers	Statewide Weighted Rate*	95% CI	Denominator (Patients Sampled)
MHCP	71.8%	70.8% - 72.8%	7,694
Other Purchasers	75.9%	74.7% - 77.0%	5,312

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

Figure 6.1 displays the statewide rates over time. The rates at which this health care best practice was successfully achieved with patients of both purchasers have continuously improved since 2007. However, gaps between purchasers have been present every year since 2007 and persist.

Figure 6.1: Controlling High Blood Pressure Statewide Rates over Time

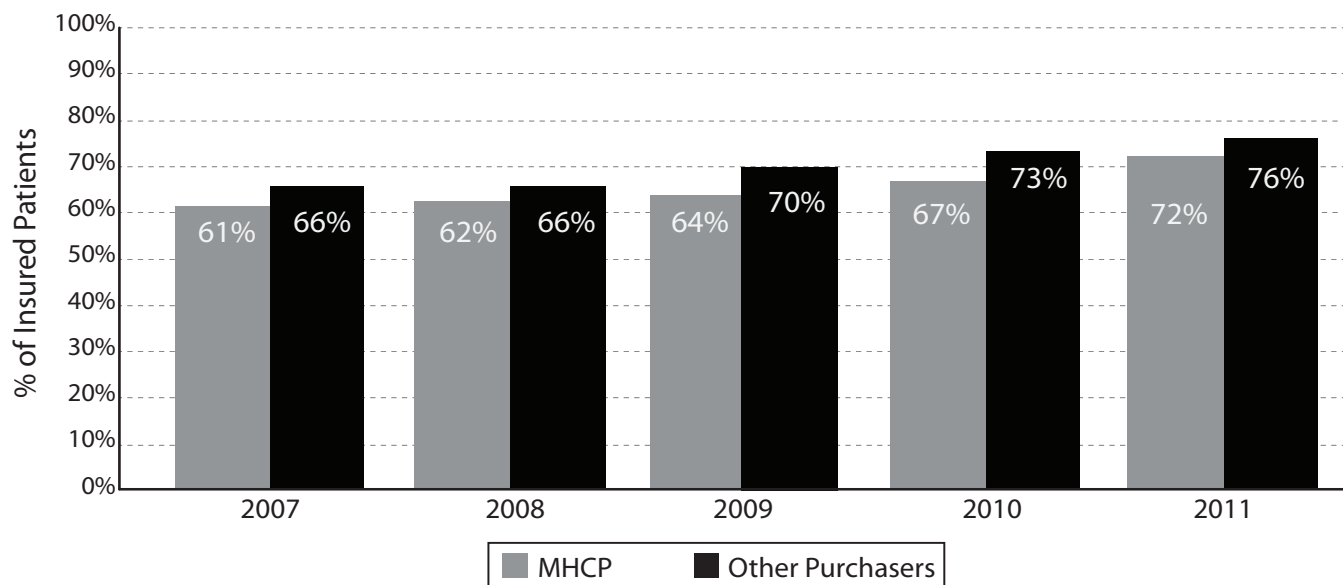
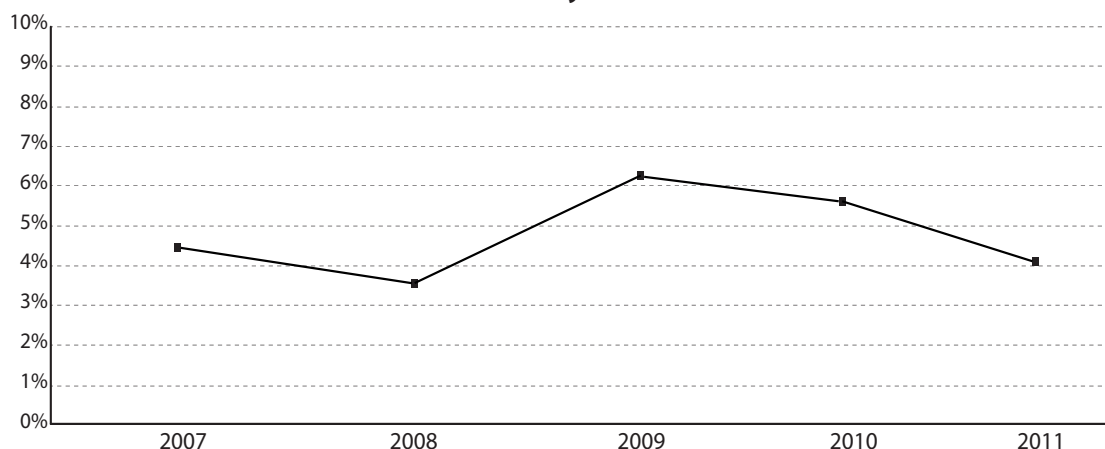


Figure 6.2 focuses on the gaps between purchasers over time. For the Controlling High Blood Pressure measure, the gap between purchasers widened between 2008 and 2009 but this is not a statistically significant difference. Since 2009 the gap has continued to decline.

Figure 6.2: Controlling High Blood Pressure: Statewide Gaps between MHCP Patients and Patients Enrolled with Other Purchasers by Year (Other Purchasers - MHCP)



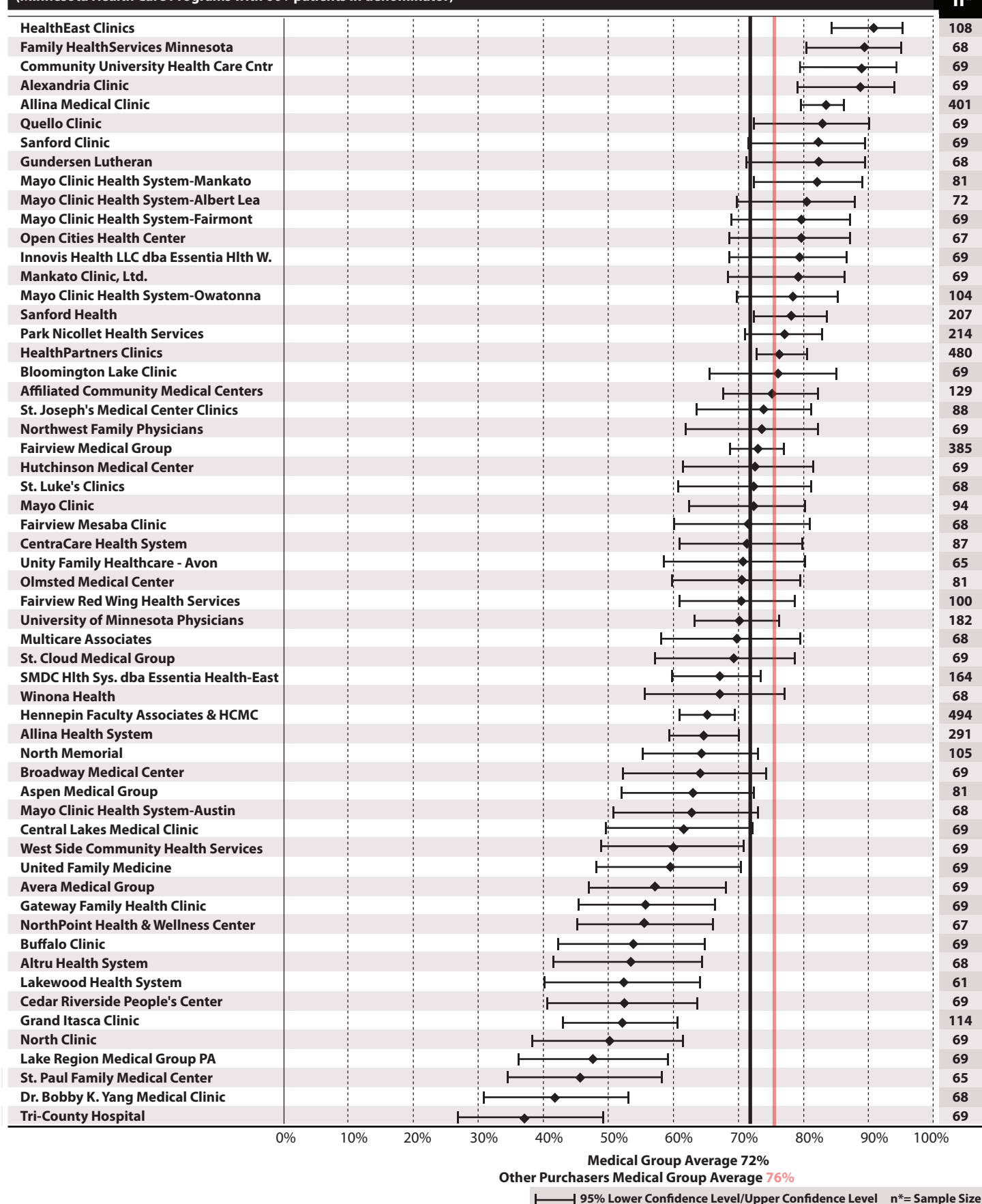
Medical Group Performance Highlights

Chart 6 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 2011 report year, 58 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 58 medical groups account for 6,517 of the 7,694 MHCP patients (85 percent) who are eligible for this measure statewide. The 58 reportable medical groups account for 22 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 most successful medical group, **HealthEast Clinics**, achieved best practice for 91 percent of their MHCP patients, while **Tri-County Hospital**, the least successful, achieved it with only 37 percent. A detailed table of medical group rates can be found in Appendix 3.

Chart 6: Blood Pressure Rates by Medical Group

(Minnesota Health Care Programs with 60+ patients in denominator)



Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

HealthEast Clinics had the highest rate of **Controlling High Blood Pressure** with their MHCP patients, at 91 percent. Nine medical groups had rates and confidence intervals that were fully above 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.

- HealthEast Clinics
- Family HealthServices Minnesota
- Community University Health Care Center
- Alexandria Clinic
- Allina Medical Clinic
- Quello Clinic
- Mayo Clinic Health System- Mankato
- Sanford Health
- HealthPartners Clinics

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Controlling High Blood Pressure was made by **Innovis Health LLC DBA Essentia Health West**, which achieved a 26 percentage point increase for their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2009. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following three medical groups achieved consistently high performance and above average rates over the past three years for Controlling High Blood Pressure:

- Allina Medical Clinic
- Family HealthServices Minnesota
- HealthPartners Clinics

Thirty-five medical groups have three years of data- 2009,2010, and 2011.

Five medical groups out of thirty-five groups (14 percent) showed consistent improvement over three years:

- Alexandria Clinic
- Allina Medical Clinic
- Fairview Mesaba Clinic
- Family HealthServices Minnesota
- St. Luke's Clinics

Two medical groups out of thirty-five groups (6 percent) showed consistent decreases over three years:

- Buffalo Clinic
- North Clinic

Zero medical groups had rates that were relatively stable over three years.

Twenty-eight medical groups out of thirty-five groups (80 percent) did not have a discernible pattern over three years.

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“Living with Illness” measures

Optimal Asthma Care

July 1, 2010 - June 30, 2011 Dates of Service

This measures 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 a significantly lower Optimal Asthma Care rate than patients enrolled with Other Purchasers ($p < 0.05$). The statewide MHCP rate for Optimal Asthma Care- Children ages 5-17 was 18 percent and the rate for Other Purchasers was 28 percent. This means that, statewide, only 18 percent of children enrolled in MHCP are being appropriately managed for asthma while 28 percent of patients enrolled with Other Purchasers are appropriately managed. The statewide MHCP rate for Optimal Asthma Care- Adults ages 18-50 was 11 percent and the rate for Other Purchasers was 18 percent. This means that, statewide, only 11 percent of adults enrolled in MHCP are being appropriately managed for asthma while 18 percent of patients enrolled with Other Purchasers are appropriately managed. Table 7 displays these statewide rates.

Table 7: 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	17.9%	17.0% - 18.7%	7,987
	Other Purchasers	27.9%	27.2% - 28.5%	17,884
Adults Ages 18-50	MHCP	10.6%	9.9% - 11.3%	7,715
	Other Purchasers	18.1%	17.7% - 18.6%	31,996

*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.

No Figure 7.1 for this measure:

Optimal Asthma Care Statewide Rates over Time

This is the first year of reporting for this measure.

No Figure 7.2 for this measure:

Optimal Asthma Care: Statewide Gaps between Purchasers by Year

This is the first year of reporting for this measure.

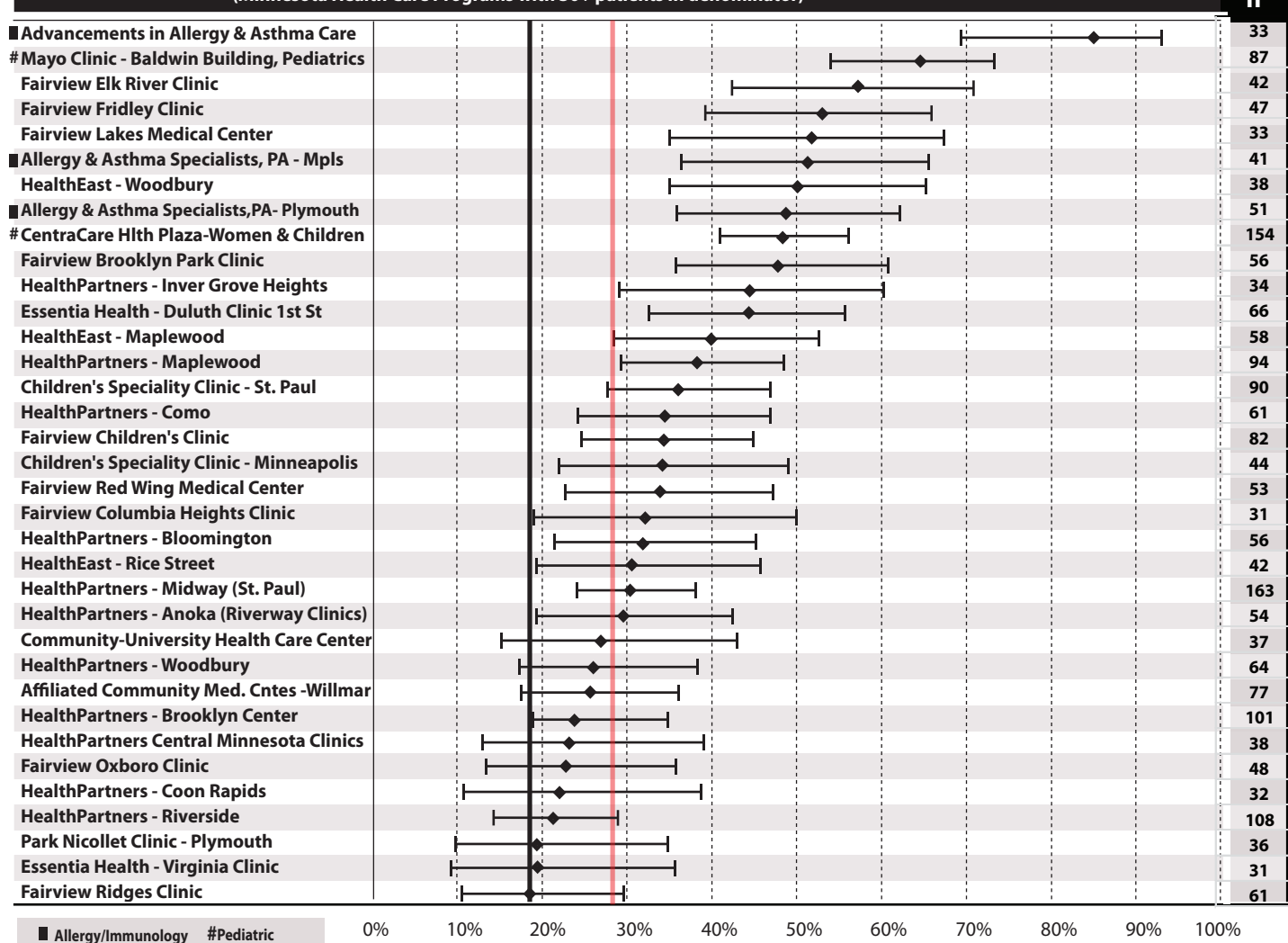
Clinic Level Performance Highlights- Children Ages 5-17

Chart 7.1 provides the MHCP Optimal Asthma Care rate by clinic from highest to lowest for children ages 5-17. It also includes the average clinic rates for MHCP and Other Purchasers. For the 2011 report year, 70 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 70 clinics account for 4,806 of the 7,987 MHCP patients (60 percent) who were eligible for this measure statewide. The 70 reportable clinics account for 17 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 most successful clinic, **Advancements in Allergy Care and Asthma, Ltd.**, achieved optimal asthma care with 85 percent of their MHCP patients ages 5-17, while 15 clinics shown in Chart 7.1 did not have any MHCP patients ages 5-17 who achieved optimal asthma care. Performance variation is not unique to MHCP and provides evidence that there is room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

Chart 7.1: Optimal Asthma Care - Children Ages 5-17 Rates by Clinic

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

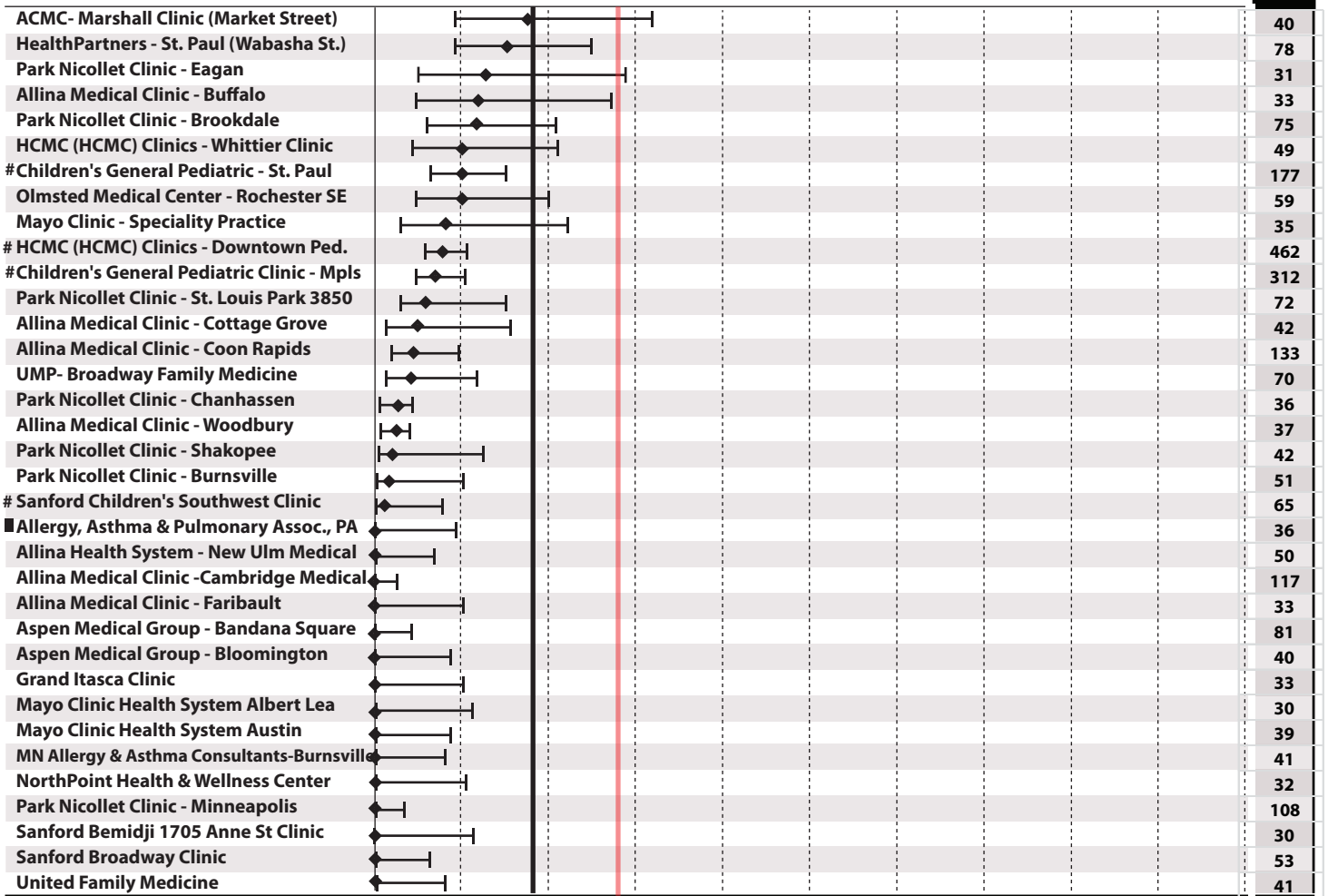


ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family Health Services Minnesota
 HCMC - Hennepin County Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Chart 7.1: Optimal Asthma Care - Childre Ages 5-17 Rates by Clinic

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

n*



■ Allergy/Immunology ■ Pediatric

MHCP Clinic Average 18%

Other Purchasers Clinic Average 28%

| 95% Lower Confidence Level/Upper Confidence Level n*= Sample Size

ACMC - Affiliated Community Medical Centers
AHS - Allina Health System
AMC - Allina Medical Clinic
FHSM - Family HealthServices Minnesota
HCMC - Hennepin County Medical Center
PNC - Park Nicollet Clinic
SMDC - St. Mary's Duluth Clinic
UMP - University of Minnesota Physicians

Performance Highlights - Clinic Level Results

Clinics with Above Average MHCP Rates in Report Year 2011

Advancements in Allergy and Asthma Care, Ltd. had the highest rate of **Optimal Asthma Care** for their MHCP patients ages 5-17, at 85 percent. Twenty-five clinics had rates and confidence intervals that were fully above the clinic average of 18 percent for patients ages 5-17 enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Advancements in Allergy and Asthma Care, Ltd.
- Mayo Clinic - Baldwin Building, Pediatrics
- Fairview Elk River Clinic
- Fairview Fridley Clinic
- Fairview Lakes Medical Center
- Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg
- HealthEast - Woodbury
- Allergy & Asthma Specialists, PA - Plymouth West
- CentraCare Health Plaza-Women & Children Pediatrics
- Fairview Brooklyn Park Clinic
- HealthPartners - Inver Grove Heights
- Essentia Health - Duluth Clinic 1st St
- HealthEast - Maplewood
- HealthPartners - Maplewood
- Children's Speciality Clinic - St. Paul
- HealthPartners - Como
- Fairview Children's Clinic
- Children's Speciality Clinic - Minneapolis
- Fairview Red Wing Medical Center
- Fairview Columbia Heights Clinic
- HealthPartners - Bloomington
- HealthEast - Rice Street
- HealthPartners - Midway (St. Paul)
- HealthPartners - Anoka (Riverway Clinics)
- HealthPartners - Brooklyn Center

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

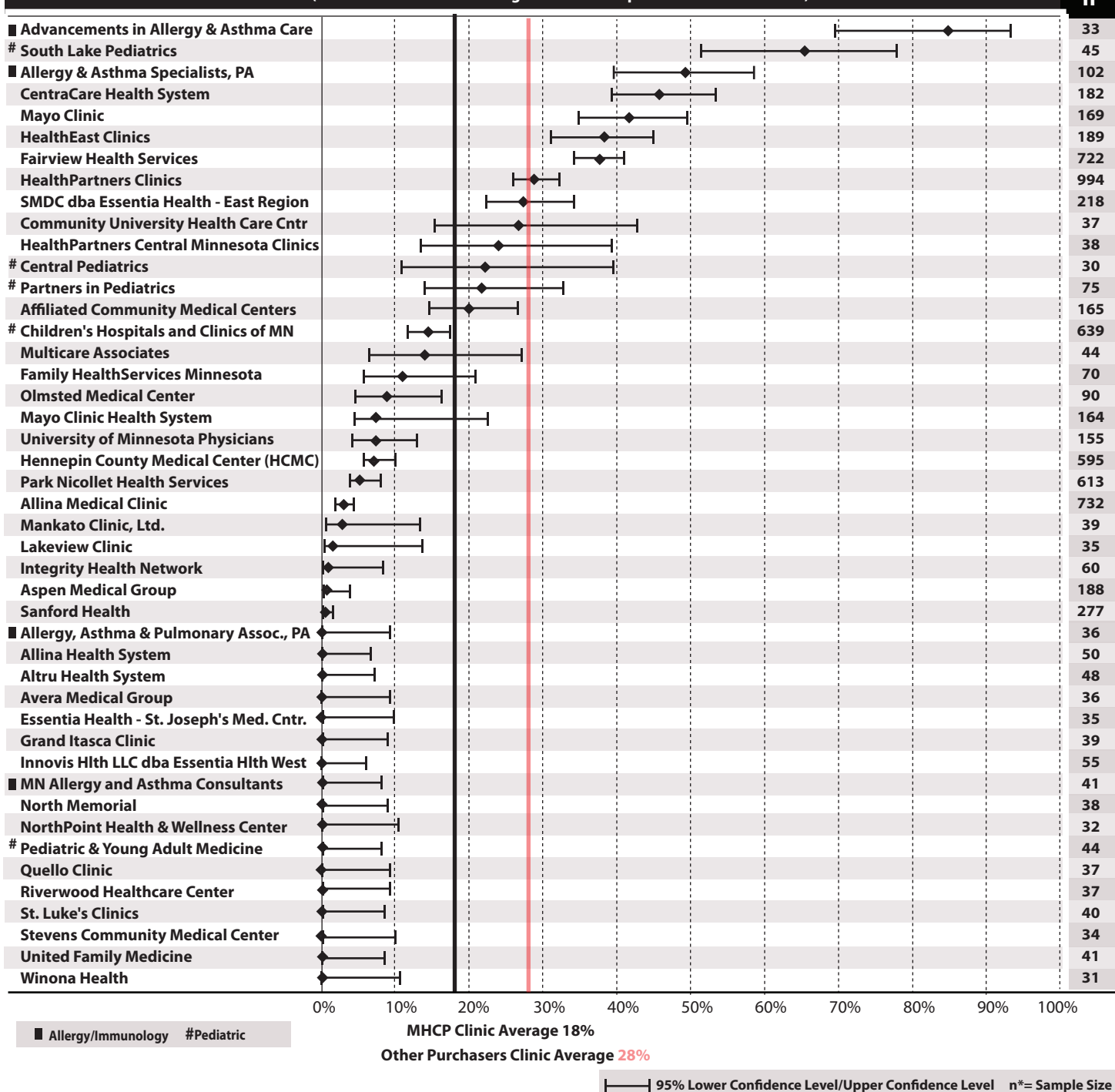
Clinic Level Performance Over Time (2009-2011)

Not applicable because this is the first year of reporting for this measure.

Medical Group Performance Highlights - Children Ages 5-17

Chart 7.2 provides the MHCP Optimal Asthma Care rate by medical group for patients ages 5-17 from highest to lowest. It also includes the average medical group rates for MHCP and Other Purchasers. For the 2011 report year, 45 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 45 medical groups account for 7,374 of the 7,987 MHCP patients (92 percent) who were eligible for this measure statewide. The 45 reportable medical groups account for 45 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 most successful medical group, **Advancements in Allergy and Asthma Care**, achieved optimal asthma care with 85 percent of their MHCP patients, while 17 medical groups shown in Chart 7.2 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 7.2: Optimal Asthma Care - Children Ages 5-17 Rates by Medical Group
 (Minnesota Health Care Programs with 30+ patients in denominator)


ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Advancements in Allergy and Asthma Care had the highest rate of **Optimal Asthma Care** with their MHCP patients ages 5-17, at 85 percent. Nine medical groups had rates and confidence intervals that were fully above the medical group average of 18 percent for patients ages 5-17 enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Advancements in Allergy and Asthma Care
- South Lake Pediatrics
- Allergy & Asthma Specialists, PA
- CentraCare Health System
- Mayo Clinic
- HealthEast Clinics
- Fairview Health Services
- HealthPartners Clinics
- St. Mary's Duluth Clinic Health System dba Essentia Health - East Region

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

Medical Group Level Performance Over Time (2009-2011)

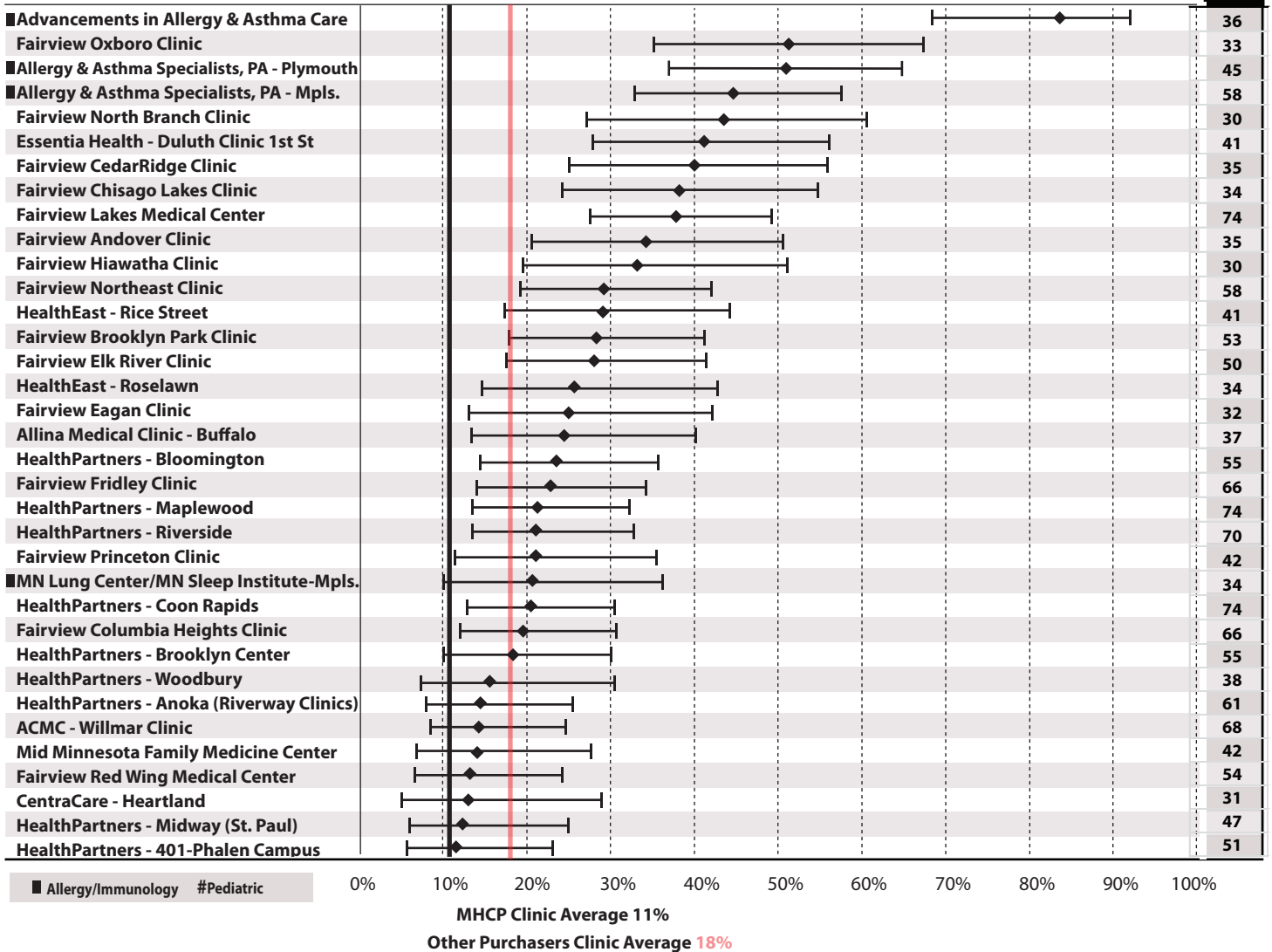
Not applicable because this is the first year of reporting for this measure.

Clinic Level Performance Highlights- Adults Ages 18-50

Chart 7.3 provides the MHCP Optimal Asthma Care rate by clinic for adults ages 18-50 from highest to lowest. It also includes the average clinic rates for MHCP and Other Purchasers. For the 2011 report year, 70 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 70 clinics account for 3,780 of the 7,715 MHCP patients (49 percent) who were eligible for this measure statewide. The 70 reportable clinics account for 15 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 most successful clinic, **Advancements in Allergy and Asthma Care**, achieved optimal asthma care with 83 percent of their MHCP patients, while 18 clinics did not have any MHCP patients ages 18-50 who achieved optimal asthma care shown in Chart 7.3. Performance variation is not unique to MHCP and provides evidence that there is room for improvement. A detailed table of clinic level rates can be found in Appendix 3.

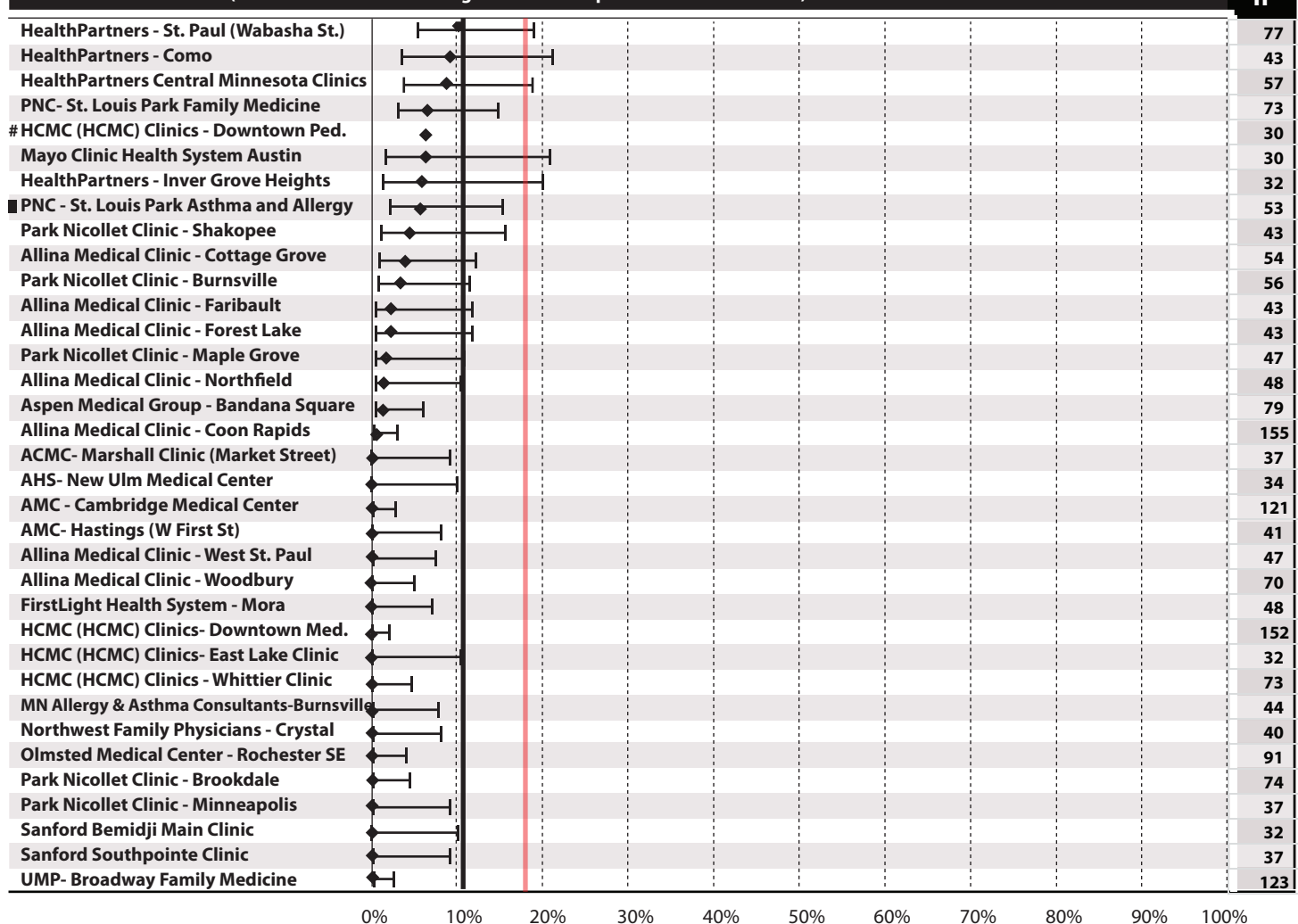
Chart 7.3: Optimal Asthma Care - Adults Ages 18-50 Rates by Clinic
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Chart 7.3: Optimal Asthma Care - Adults Ages 18-50 Rates by Clinic

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



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

— 95% Lower Confidence Level/Upper Confidence Level n*= Sample Size

Performance Highlights - Clinic Level Results

Clinics with Above Average MHCP Rates in Report Year 2011

Advancements in Allergy and Asthma Care had the highest rate of **Optimal Asthma Care** for their MHCP patients ages 18-50, at 83 percent. Twenty-five clinics had rates and confidence intervals that were fully above the clinic average of 11 percent for patients ages 18-50 enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Advancements in Allergy and Asthma Care, Ltd.
- Fairview Oxboro Clinic
- Allergy & Asthma Specialists, PA - Plymouth West
- Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg
- Fairview North Branch Clinic
- Essentia Health - Duluth Clinic 1st St
- Fairview CedarRidge Clinic
- Fairview Chisago Lakes Clinic
- Fairview Lakes Medical Center
- Fairview Andover Clinic
- Fairview Hiawatha Clinic
- Fairview Northeast Clinic
- HealthEast - Rice Street
- Fairview Brooklyn Park Clinic
- Fairview Elk River Clinic
- HealthEast - Roselawn
- Fairview Eagan Clinic
- Allina Medical Clinic - Buffalo
- HealthPartners - Bloomington
- Fairview Fridley Clinic
- HealthPartners - Maplewood
- HealthPartners - Riverside
- Fairview Princeton Clinic
- HealthPartners - Coon Rapids
- Fairview Columbia Heights Clinic

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

Clinic Level Performance Over Time (2009-2011)

Not applicable because this is the first year of reporting for this measure.

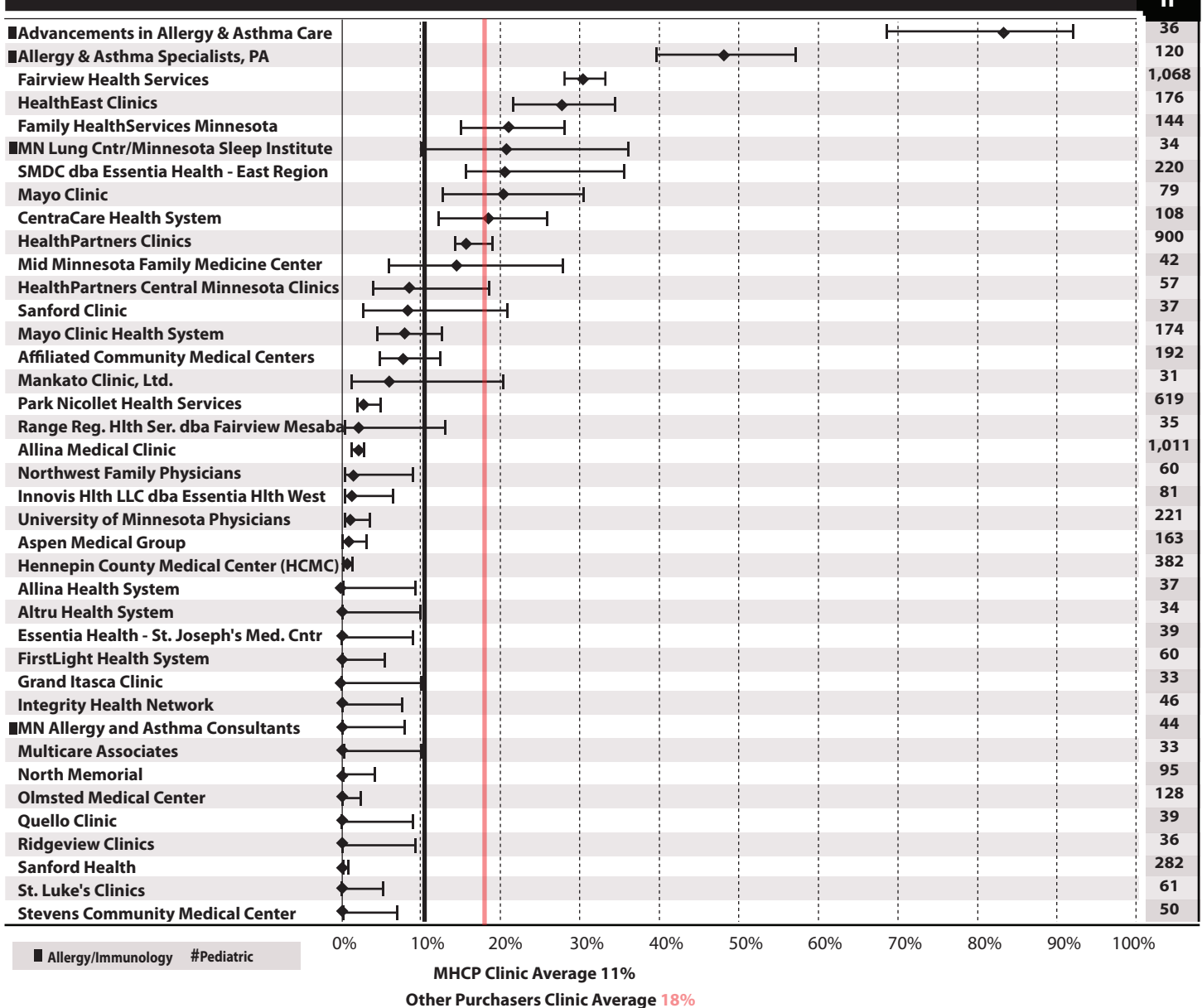
Medical Group Performance Highlights - Adults Ages 18-50

Chart 7.4 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 2011 report year, 39 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 7,007 of the 7,715 MHCP patients (91 percent) who were eligible for this measure statewide. The 39 reportable medical groups account for 33 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 most successful medical group, **Advancements in Allergy and Asthma Care**, achieved optimal asthma care with 84 percent of their MHCP patients, while 15 medical groups shown in Chart 7.4 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 7.4: Optimal Asthma Care - Adults Ages 18-50 by Medical Group

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



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Advancements in Allergy and Asthma Care had the highest rate of **Optimal Asthma Care** with their MHCP patients, ages 18-50 at 83 percent. Nine medical groups had rates and confidence intervals that were fully above the medical group average of 11 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
- Allergy & Asthma Specialists, PA
- Fairview Health Services
- HealthEast Clinics
- Family HealthServices Minnesota
- St. Mary's Duluth Clinic Health System dba Essentia Health - East Region
- Mayo Clinic
- CentraCare Health System
- HealthPartners Clinics

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

Medical Group Level Performance Over Time (2009-2011)

Not applicable because this is the first year of reporting for this measure.

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"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. The statewide MHCP rate for this measure was 89 percent; the rate for Other Purchasers was 89 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	89.3%	88.8% - 89.7%	20,722
Other Purchasers	88.6%	86.9% - 87.8%	17,214

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

Figure 8.1 displays the statewide rates over time. The rates for both purchasers have slightly increased since 2006 when data were first collected for this measure. The gaps between purchasers have been small every year since 2006.

The figure also displays the 2011 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 8.1: Appropriate Treatment for Children with URI Statewide Rates over Time

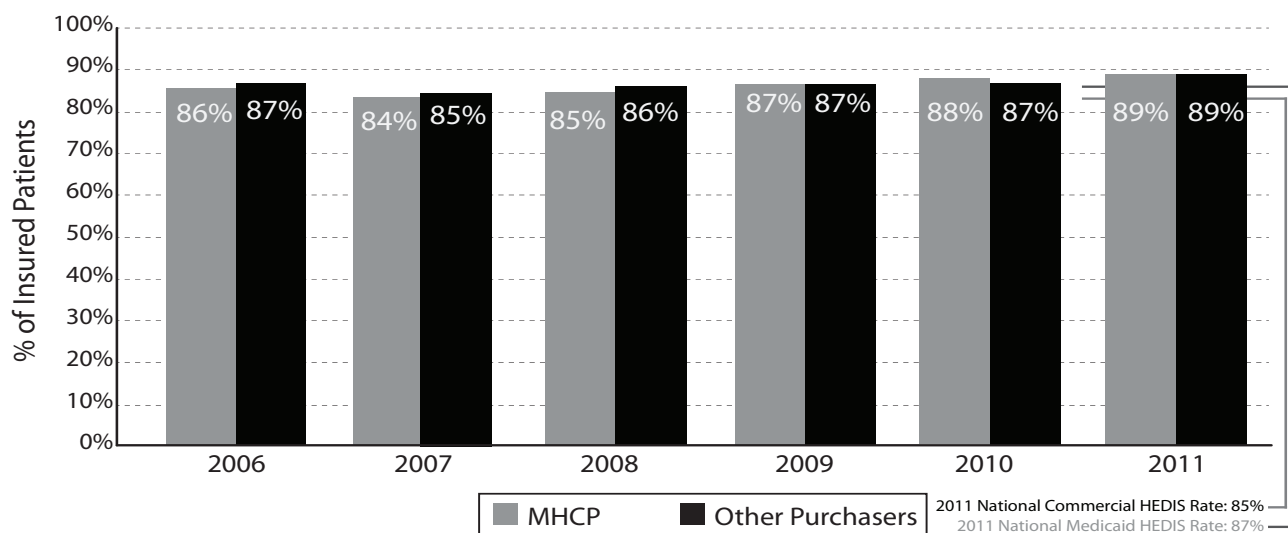
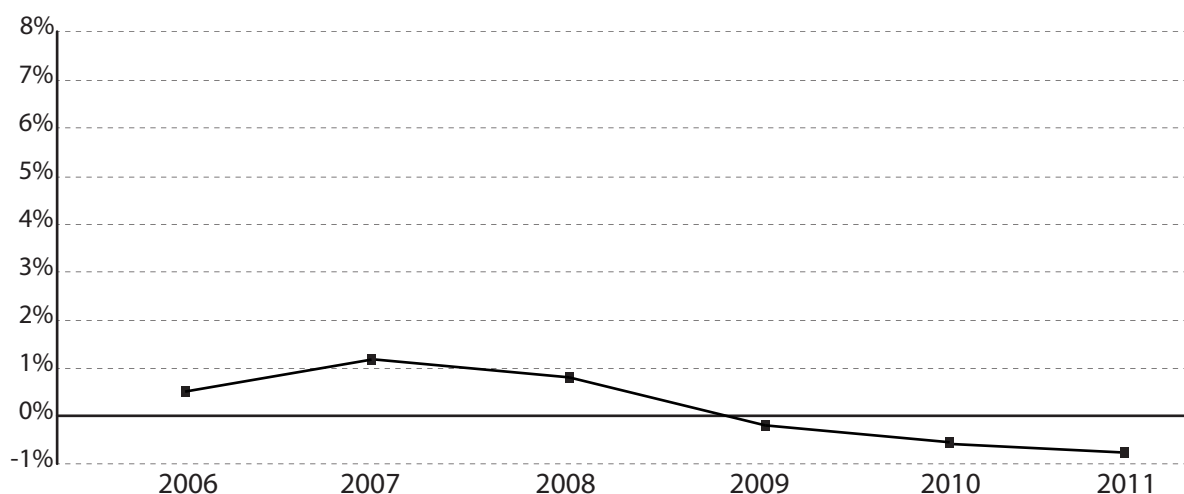


Figure 8.2 focuses on the gaps between purchasers over time. For the URI measure, the gap between purchasers has remained stable and small since 2006.

Figure 8.2 Appropriate Treatment for Children with URI: Statewide Gaps between MHCP patients and patients Enrolled with Other Purchasers by Year (Other Purchasers - MHCP)



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 2011 report year, 98 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 98 medical groups account for 18,783 of the 20,722 MHCP patients (91 percent) who are eligible for this measure statewide. The 98 reportable medical groups account for 32 percent of medical groups providing care to MHCP patients in Minnesota who have been identified through health plan claims data for this measure.

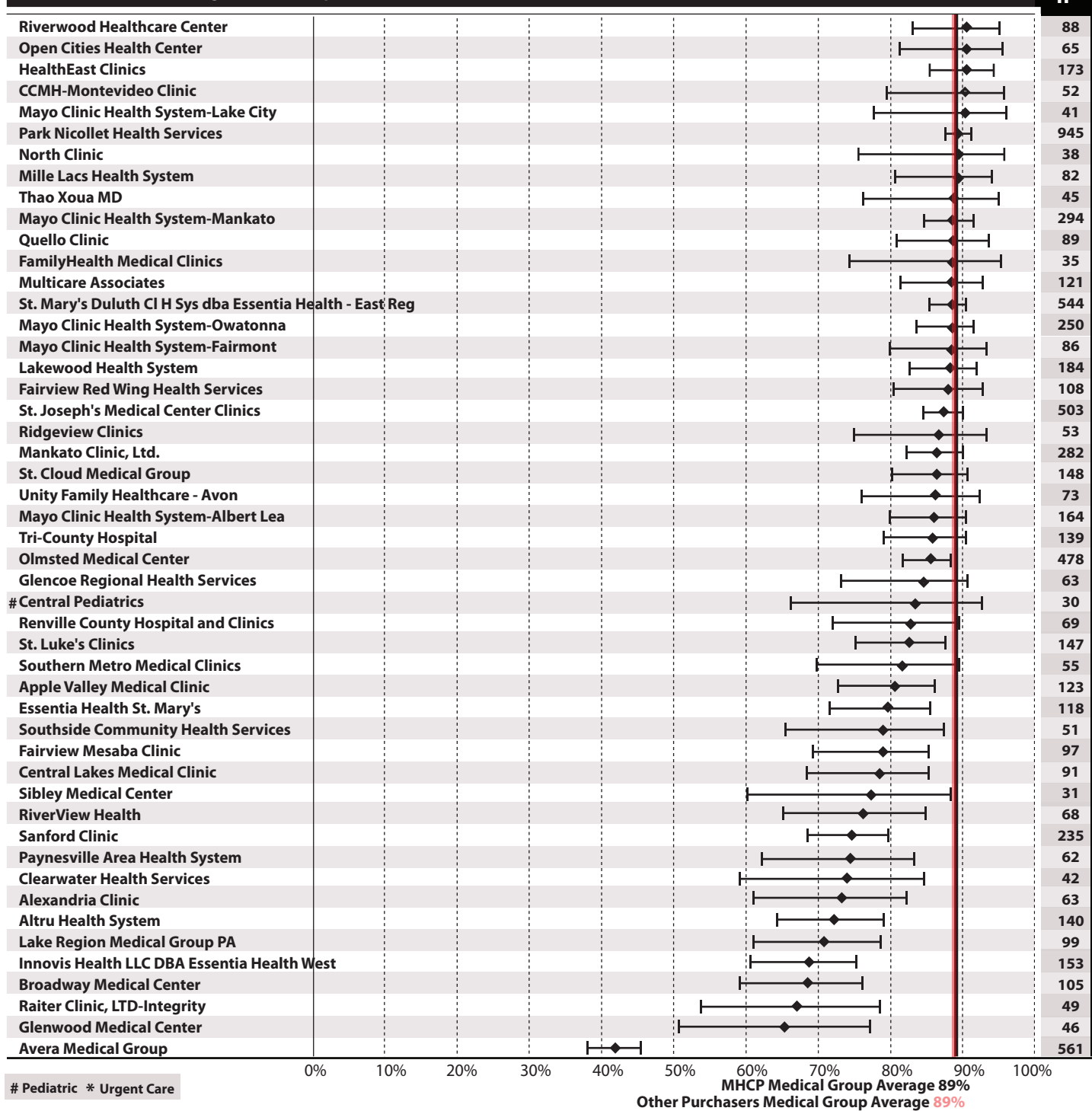
There was wide variation in the degree to which medical groups were successful in achieving this health care best practice with their patients enrolled in MHCP. The most successful medical group, **NorthPoint Health and Wellness**, achieved best practice with 99 percent of their MHCP patients, while the least successful, **Avera Medical Group**, achieved it with only 42 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

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



Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

NorthPoint Health and Wellness had the highest rate of **Appropriate Treatment for Children with URI** with their MHCP patients, at 99 percent. Twenty-nine medical groups had rates and confidence intervals that were fully above 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.

- NorthPoint Health and Wellness Center
- Southdale Pediatric Associates, Ltd.
- Mayo Clinic Health System-Faribault
- University of Minnesota Physicians
- Metropolitan Pediatric Specialists
- Lakeview Clinic
- United Family Medicine
- Express Healthcare
- University of Minnesota Physicians
- CentraCare Health System
- Aspen Medical Group
- Fridley Children's & Teenagers' Medical Center-Children's Physician Network
- Allina Medical Clinic
- Westside Community Health Services
- Aspen Medical Group
- HealthPartners Clinics
- HealthPartners Central MN Clinics
- Hennepin Faculty Associates: HFA Clinics & HCMC Clinics
- Children's Hospital Clinics of Minnesota
- MinuteClinic
- Pediatric & Young Adult Medicine
- Neighborhood Healthsource
- Allina Health System
- Affiliated Community Medical Centers
- North Memorial
- Partners in Pediatrics
- Fairview Medical Group
- Winona Health
- Buffalo Clinic
- Mayo Clinic
- Sanford Health

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Appropriate Treatment for Children with URI was made by **Southern Metro Medical Clinics**, which achieved greater than a 20 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2009. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following eight medical groups achieved consistently high performance and above average rates over the past three years for Treatment for Children with Upper Respiratory Infection:

- Allina Medical Clinic
- Aspen Medical Group
- HealthPartners Clinics
- Hennepin Faculty Associates and HCMC Clinics
- Mayo Clinic
- North Memorial Clinic
- NorthPoint Health and Wellness Center
- University of Minnesota Physicians

Fifty-seven medical groups have three years of data- 2009,2010, and 2011.

Three medical groups out of fifty-seven groups (5 percent) showed consistent improvement over three years:

- Ridgeview Clinics
- St. Luke's Clinics
- Tri-County Hospital

Five medical groups out of fifty-seven groups (9 percent) showed consistent decreases over three years:

- Fairview Mesaba Clinic
- Family Practice Medical Center of Willmar
- Innovis Health LLC dba Essentia Health West
- Mille Lacs Health System
- Sanford Clinic

Ten medical groups out of fifty-seven groups (18 percent) had rates that were relatively stable over three years:

- Express Healthcare
- HealthEast Clinics
- HealthPartners Clinics
- Hennepin Faculty Associates: HFA Clinics & HCMC Clinics
- Hutchinson Medical Center
- MinuteClinic
- North Memorial
- NorthPoint Health & Wellness Center
- University of Minnesota Physicians
- WestHealth Urgent Care

Thirty-nine medical groups out of fifty-seven groups (68 percent) did not have a discernible pattern.

"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 an antibiotic and a group A streptococcus (strep) test 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 85 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	85.2%	84.5% - 85.9%	10,557
Other Purchasers	90.2%	89.7% - 90.6%	17,056

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

Figure 9.1 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. Gaps exist between purchasers and these gaps have been present every year since 2006.

The figure also displays the 2011 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 9.1: Appropriate Testing for Children with Pharyngitis Statewide Rates over Time

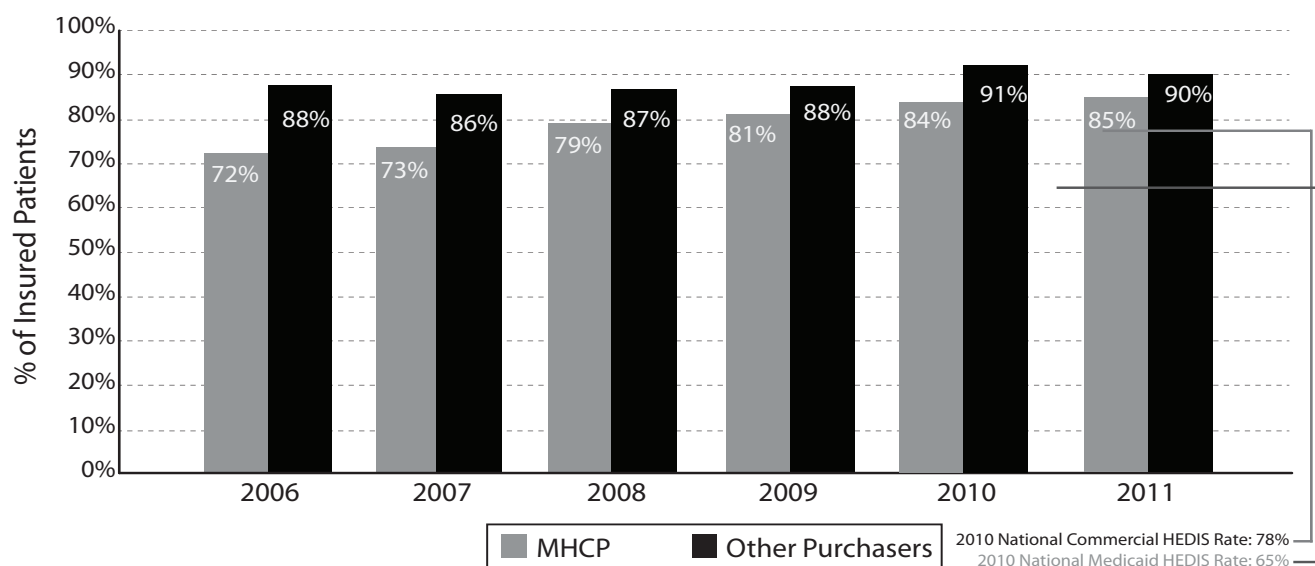
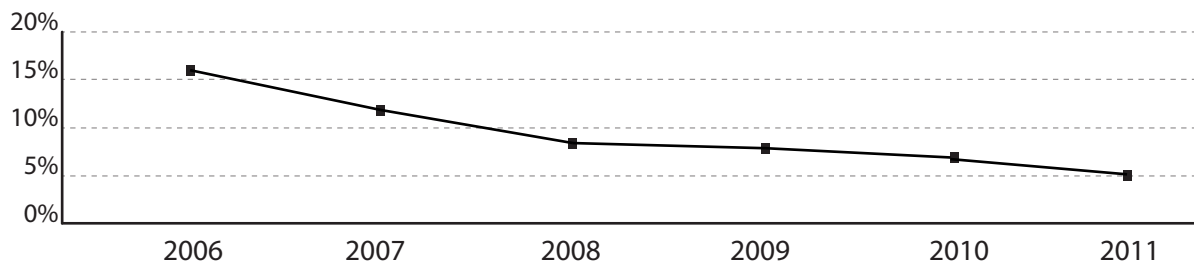


Figure 9.2 focuses on the gaps between purchasers over time. For the Appropriate Testing for Children with Pharyngitis measure, the gaps between purchasers have narrowed every year since 2006 and the change from 2006 to 2011 is statistically significant ($p_{\text{trend}} = 0.039$).

Figure 9.2 Appropriate Testing for Children with Pharyngitis: Statewide Gaps between MHCP patients and patients Enrolled with Other Purchasers by Year (Other Purchasers - MHCP)



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 2011 report year, 76 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 76 medical groups account for 8,996 of the 10,557 MHCP patients (85 percent) who are eligible for this measure statewide. The 76 reportable medical groups account for 30 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 most successful medical groups, **Express Healthcare, Fridley Children's and Teenagers' Medical Centers- Children's Physician Network, Urgent Care Doctor's Office,** and **Suburban Emergency Associates**, achieved best practice with 100 percent of their MHCP patients, while the least successful, **Thao Xoua MD**, had zero percent of their MHCP patients achieving best practice. 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)

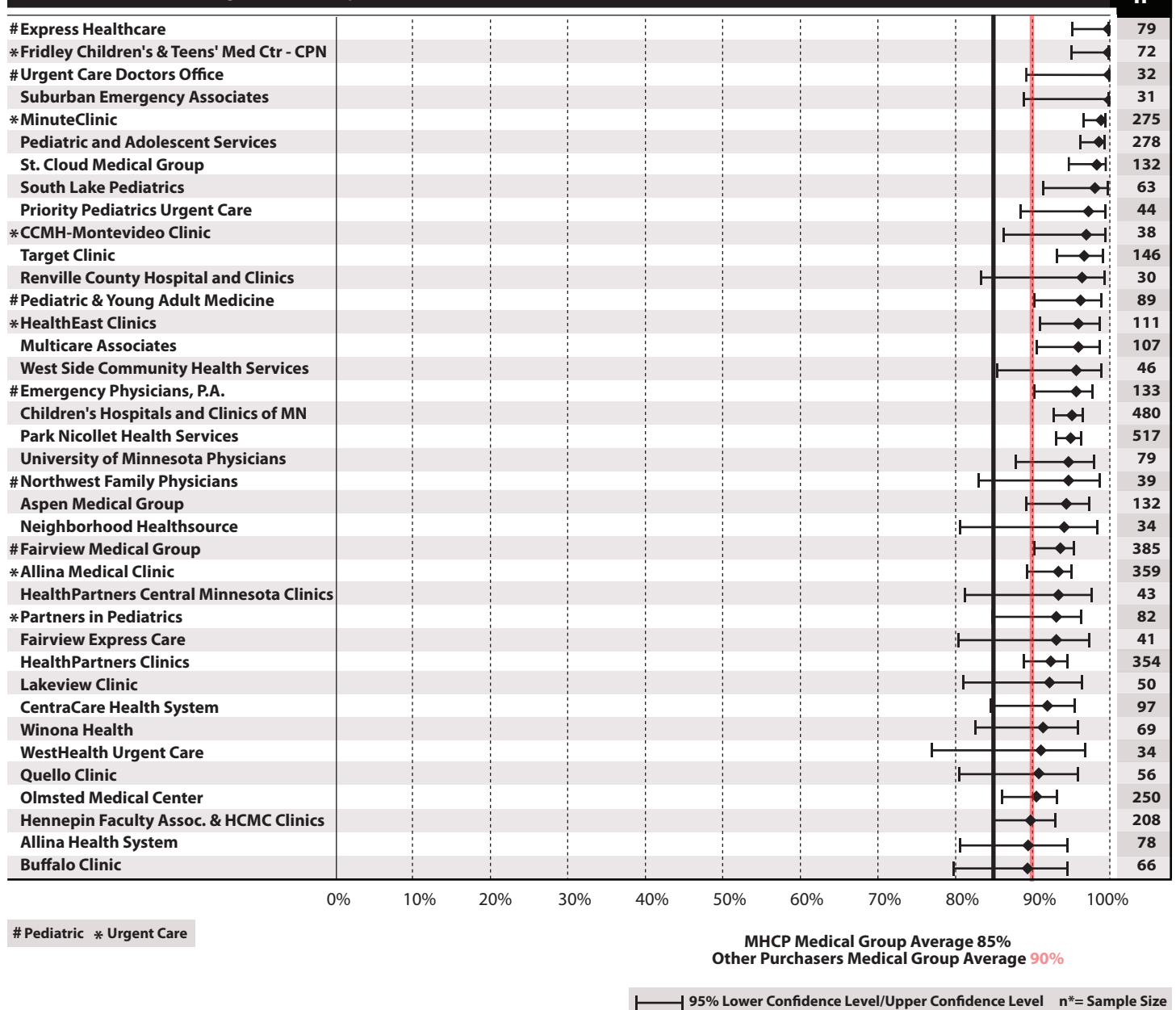
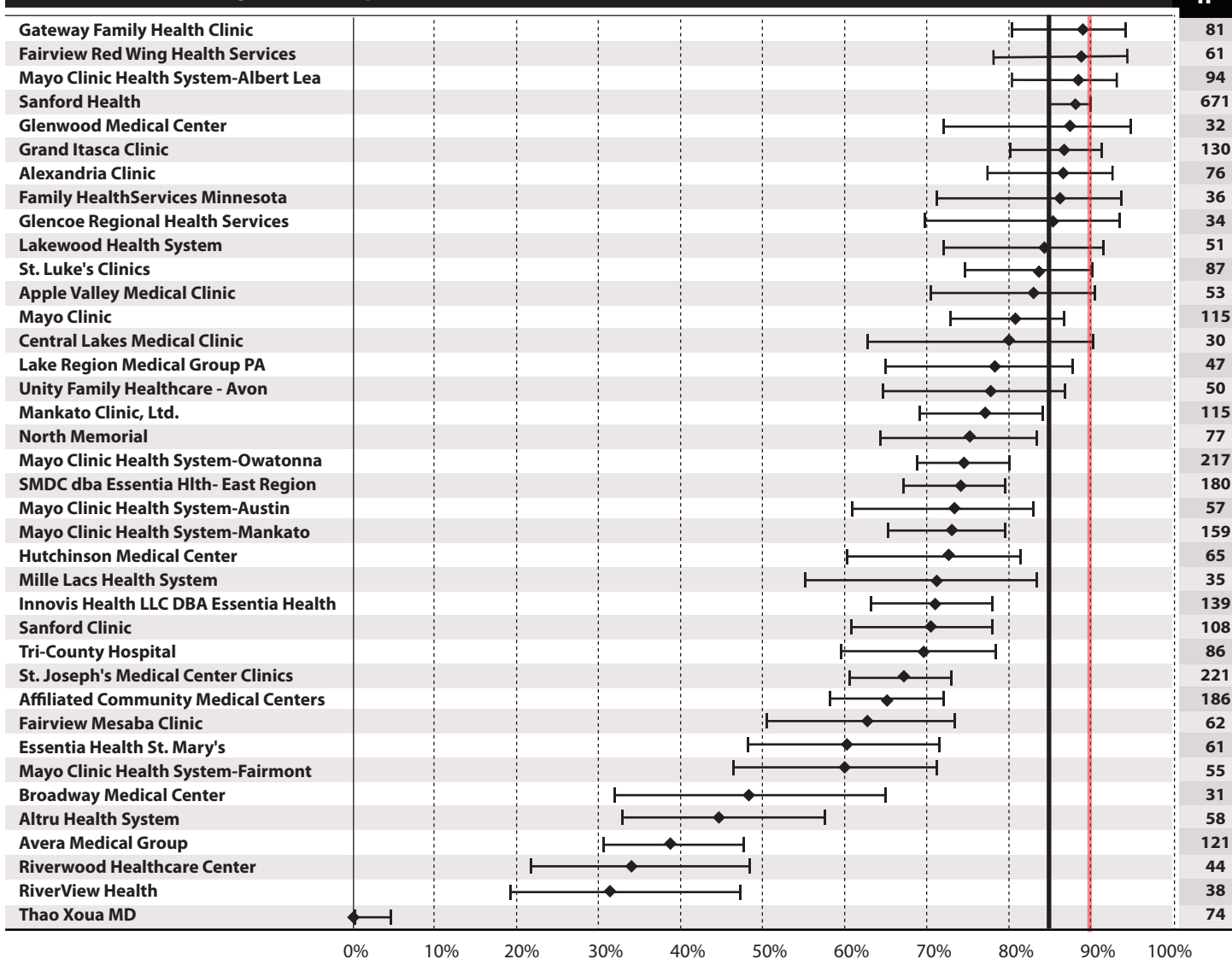


Chart 9: Appropriate Testing for Children with Pharyngitis
(Minnesota Health Care Programs with 30+ patients in denominator)



Pediatric * Urgent Care

MHCP Medical Group Average 85%
Other Purchasers Medical Group Average 90%

— 95% Lower Confidence Level/Upper Confidence Level n*= Sample Size

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Express Healthcare, Fridley Children's and Teenagers' Medical Centers- Children's Physician Network, Urgent Care Doctor's Office, and Suburban Emergency Associates, had the highest rate of **Appropriate Testing of Children with Pharyngitis** with their MHCP patients, at 100 percent. Twenty-four medical groups had rates and confidence intervals that were fully above the medical group average of 85 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Express Healthcare
- Fridley Children's & Teenagers' Medical Centers - Children's Physician Network
- Urgent Care Doctor's Office
- Suburban Emergency Associates
- MinuteClinic
- Pediatric and Adolescent Services
- St. Cloud Medical Group
- South Lake Pediatrics
- Priority Pediatrics Urgent Care
- CCMH- Montevideo Clinic
- Target Clinic
- Pediatric & Young Adult Medicine
- HealthEast Clinics
- Multicare Associates
- West Side Community Health Services
- Emergency Physicians, P.A.
- Children's Hospitals and Clinics of Minnesota
- Park Nicollet Health Services
- University of Minnesota Physicians
- Aspen Medical Group
- Fairview Medical Group
- Allina Medical Clinic
- HealthPartners Clinics
- Olmsted Medical Center

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Appropriate Testing for Children with Pharyngitis was made by **Lakewood Health System**, which achieved greater than a 28 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2009. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following ten medical groups achieved consistently high performance and above average rates over the past three years for Testing for Children with Pharyngitis:

- Allina Medical Clinic
- Aspen Medical Group
- Express Healthcare
- HealthEast Clinics
- HealthPartners Clinics
- MinuteClinic
- Multicare Associates of the Twin Cities
- Park Nicollet Health Services
- St. Cloud Medical Group
- University of Minnesota Physicians

Forty-three medical groups have three years of data- 2009,2010, and 2011.

Four medical groups out of forty-three groups (9 percent) showed consistent improvement over three years:

- Alexandria Clinic
- Lakewood Health System
- St. Cloud Medical Group
- Unity Family Healthcare- Avon

One medical group out of forty-three groups (2 percent) showed consistent decreases over three years:

- Hutchinson Medical Center

One medical group out of forty-three groups (2 percent) had rates that were relatively stable over three years:

- Mankato Clinic, Ltd.

Thirty-seven medical groups out of forty-three groups (86 percent) did not have a discernible pattern.

"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 74 percent. This means that statewide, 61 percent of women enrolled in MHCP had Breast Cancer Screening according to guidelines while 74 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	60.6%	59.9% - 61.4%	14,845
Other Purchasers	73.9%	73.8% - 74.1%	242,369

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

Figure 10.1 displays the statewide rates over time. Until this year, the rates for both purchasers had improved since 2004. In 2011, the rates for MHCP patients and patients enrolled with Other Purchasers slightly decreased from last year. Gaps between purchasers have been present every year since 2004.

Figure 10.1: Breast Cancer Screening Rates over Time

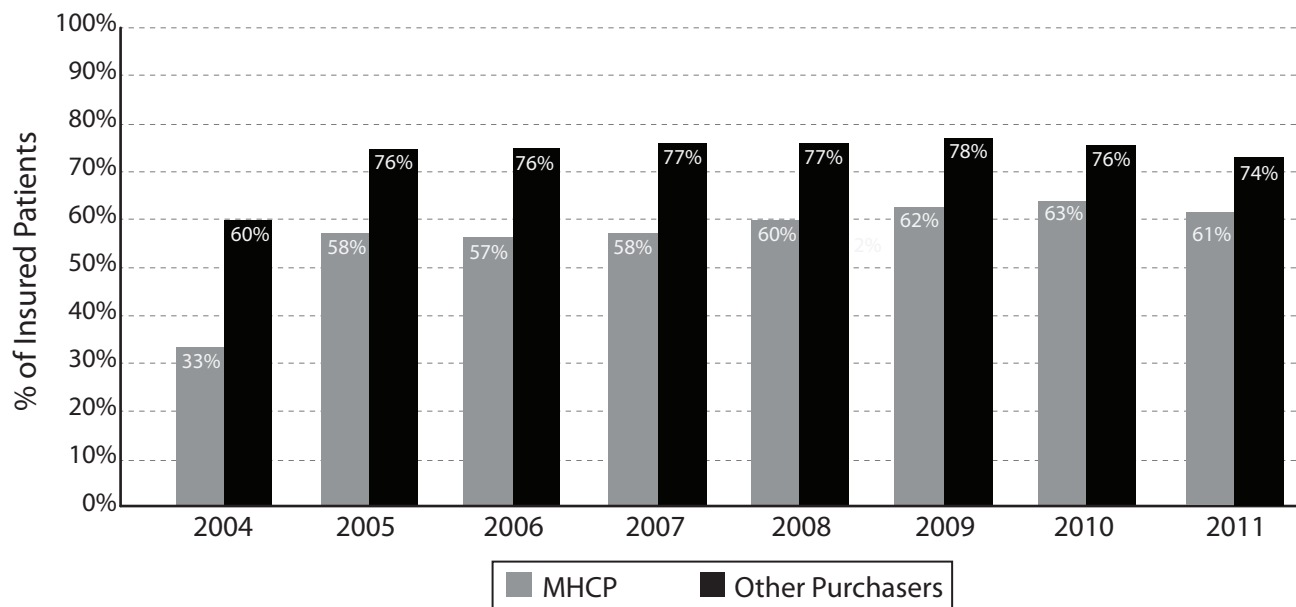
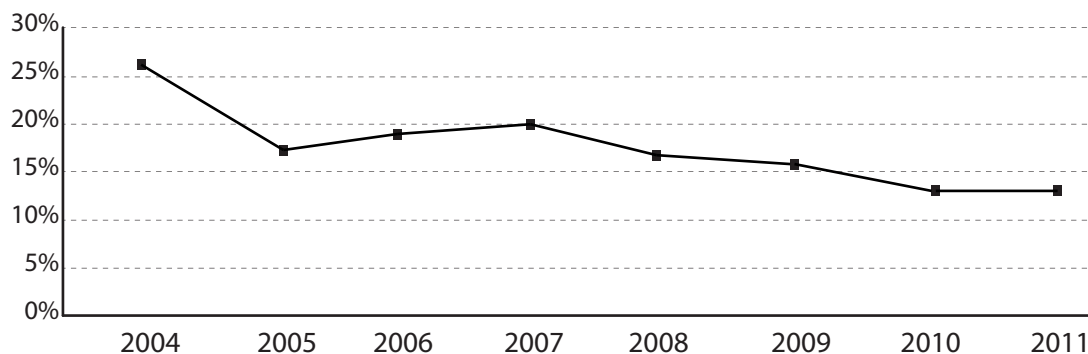


Figure 10.2 focuses on the gaps between purchasers over time. For the Breast Cancer Screening measure, the gap declined substantially between 2004 and 2005, and since 2007 has continued to decline. Compared to last year, the gap has remained stable. From 2004 to 2011 the gap has significantly declined ($p_{\text{trend}} = 0.005$).

Figure 10.2 Breast Cancer Screening: Statewide Gaps between Purchasers by Year (Other Purchasers - MHCP)



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 2011 report year, 79 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 79 medical groups account for 12,309 of the 14,845 MHCP patients (83 percent) who are eligible for this measure statewide. The 79 reportable medical groups account for 26 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 most successful medical group, **Mayo Clinic**, achieved best practice with 81 percent of their MHCP patients, while the least successful, **Cedar Riverside People's Center**, achieved it with only 16 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)

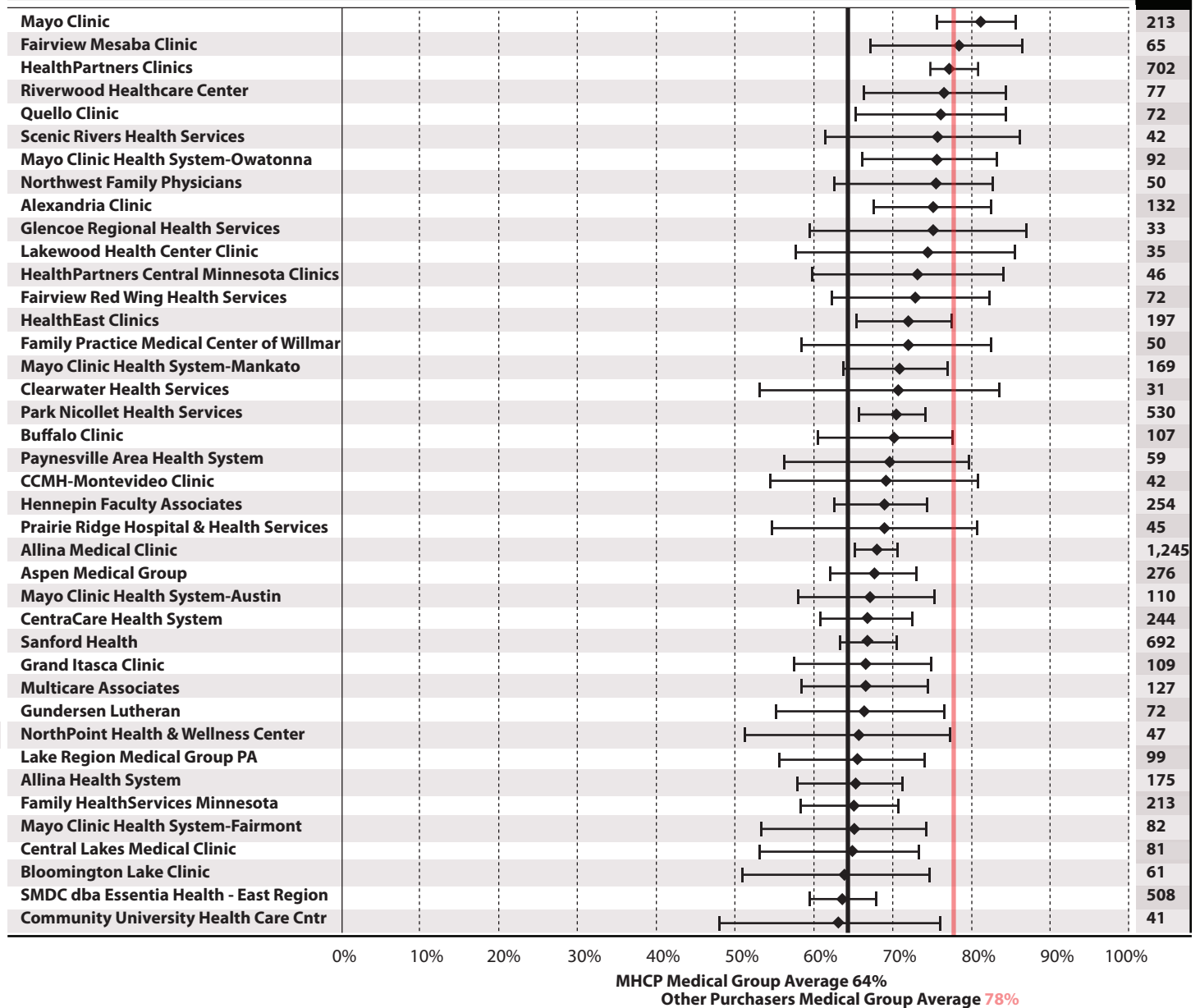
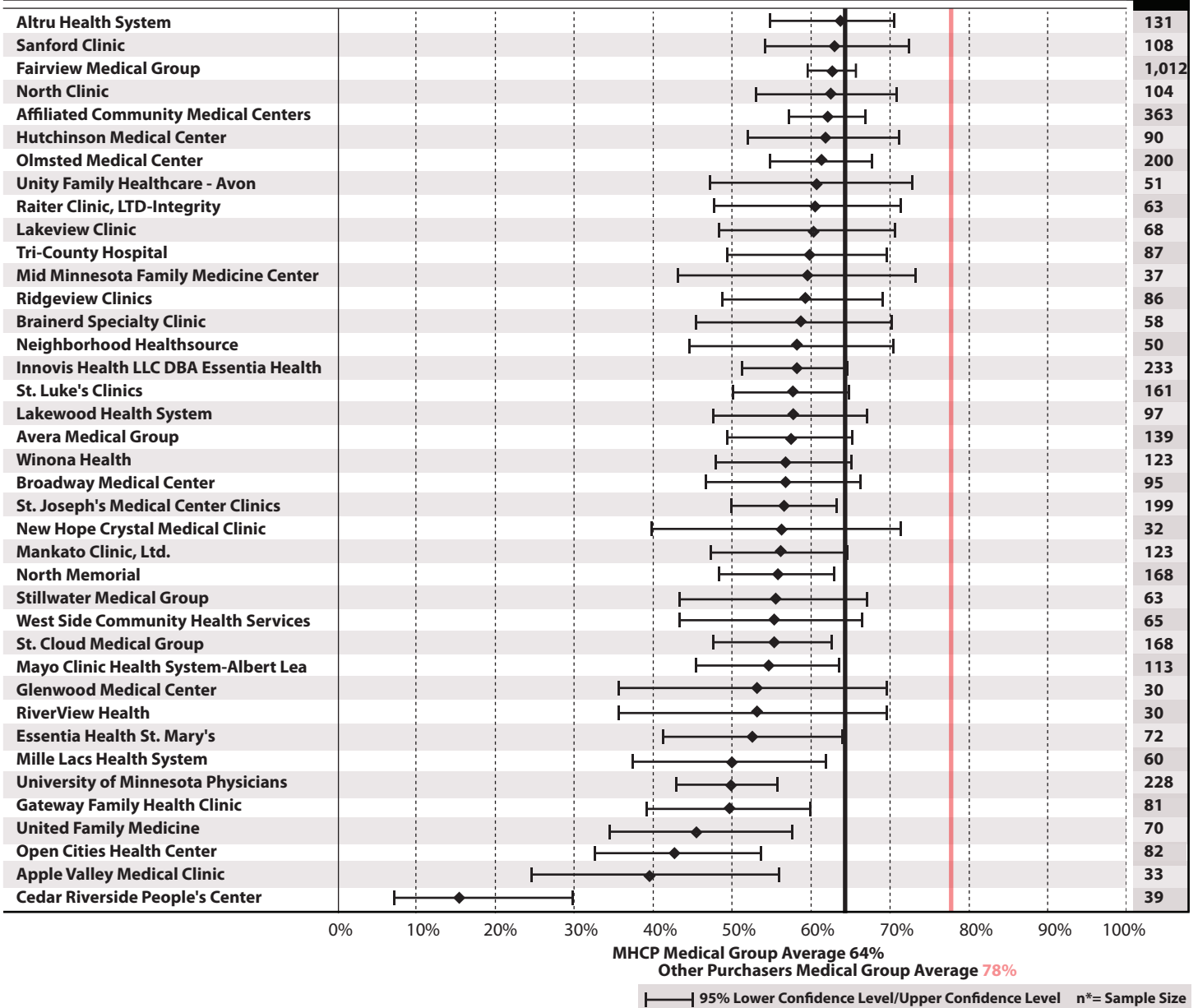


Chart 10: Breast Cancer Rates by Medical Group

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

n*

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Mayo Clinic had the highest **Breast Cancer Screening** rate for MHCP patients, at 81 percent. Ten medical groups had rates and confidence intervals that were fully above the medical group average of 64 percent for patients enrolled in MHCP. Medical groups are listed below in performance order from high to low.

- Mayo Clinic
- Fairview Mesaba Clinics
- HealthPartners Clinics
- Riverwood Healthcare Center
- Quello Clinic
- Mayo Clinic Health System- Owatonna
- Alexandria Clinic
- HealthEast Clinics
- Park Nicollet Health Services
- Allina Medical Clinic

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Breast Cancer Screening was made by **HealthEast Clinics**, which achieved greater than a 10 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2009. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following three medical groups achieved consistently high performance and above average rates over the past three years for Breast Cancer Screening:

- HealthPartners Clinics
- Mayo Clinic
- Park Nicollet Health Services

Forty-one medical groups have three years of data- 2009,2010, and 2011.

One medical group out of forty-one groups (2 percent) showed consistent improvement over three years:

- Hutchinson Medical Center

Six medical groups out of forty-one groups (15 percent) showed consistent decreases over three years:

- Avera Medical Group
- Innovis Health LLC DBA Essentia Health West
- Lakewood Health System
- Multicare Associates
- North Memorial
- Ridgeview Clinics

Two medical groups out of forty-one groups (5 percent) had rates that were relatively stable over three years:

- Affiliated Community Medical Centers
- Tri-County Hospital

Thirty-two medical groups out of forty-one groups (78 percent) did not have a discernible pattern.

"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 72 percent; the rate for Other Purchasers is 78 percent. Table 11 displays these statewide rates.

Table 11: Statewide Rates* for Cervical Cancer Screening

Purchasers	Statewide Rate*	95% CI	Denominator
MHCP	70.6%	70.2% - 71.0%	62,234
Other Purchasers	77.1%	76.9% - 77.2%	307,084

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

Figure 11.1 displays the statewide rates over time. The rates for patients of both purchasers increased substantially from 2004 to 2005 and have remained fairly stable since then.

The figure also includes the 2011 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide MHCP rate has exceeded the 2011 national Medicaid HEDIS benchmark; the Other Purchasers rate equals the 2011 national HEDIS Commercial benchmark.

Figure 10.1: Cervical Cancer Screening Statewide Rates over Time

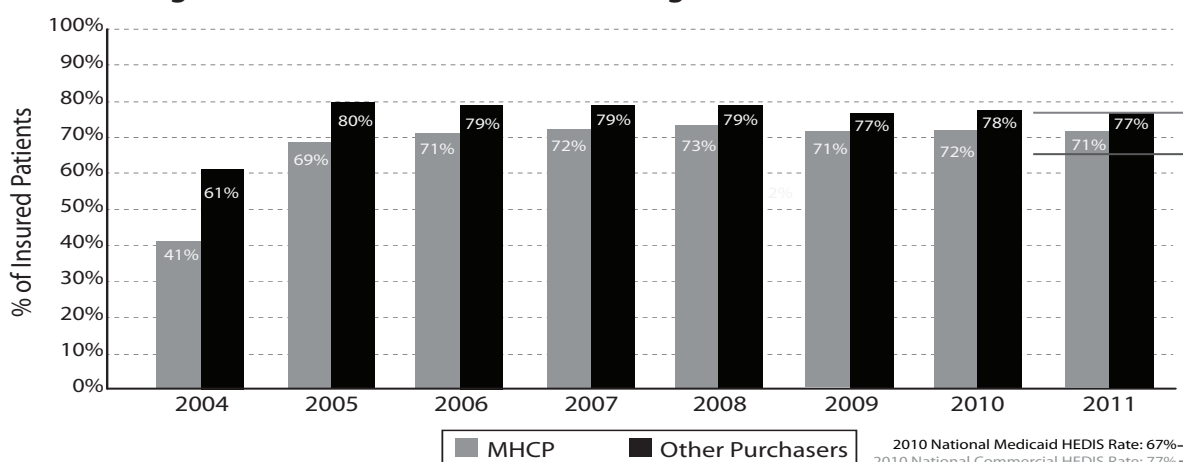
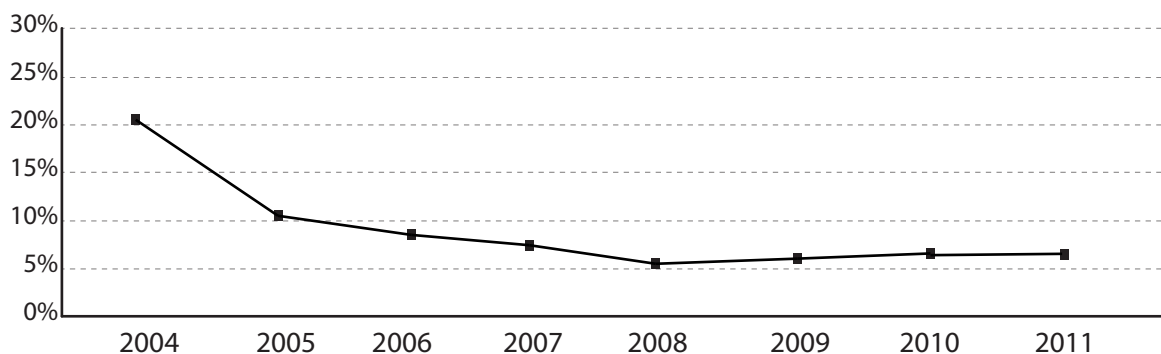


Figure 11.2 focuses on the gaps between purchasers over time. For the Cervical Cancer Screening measure, since 2004 the gap has narrowed and has continued to remain relatively stable between report years 2008 through 2011. The gap has narrowed considerably since 2004 and this change is statistically significant ($p_{\text{trend}} = 0.031$).

Figure 11.2 Cervical Cancer Screening: Statewide Gaps between MHCP patients and patients Enrolled with Other Purchasers by Year (Other Purchasers - MHCP)



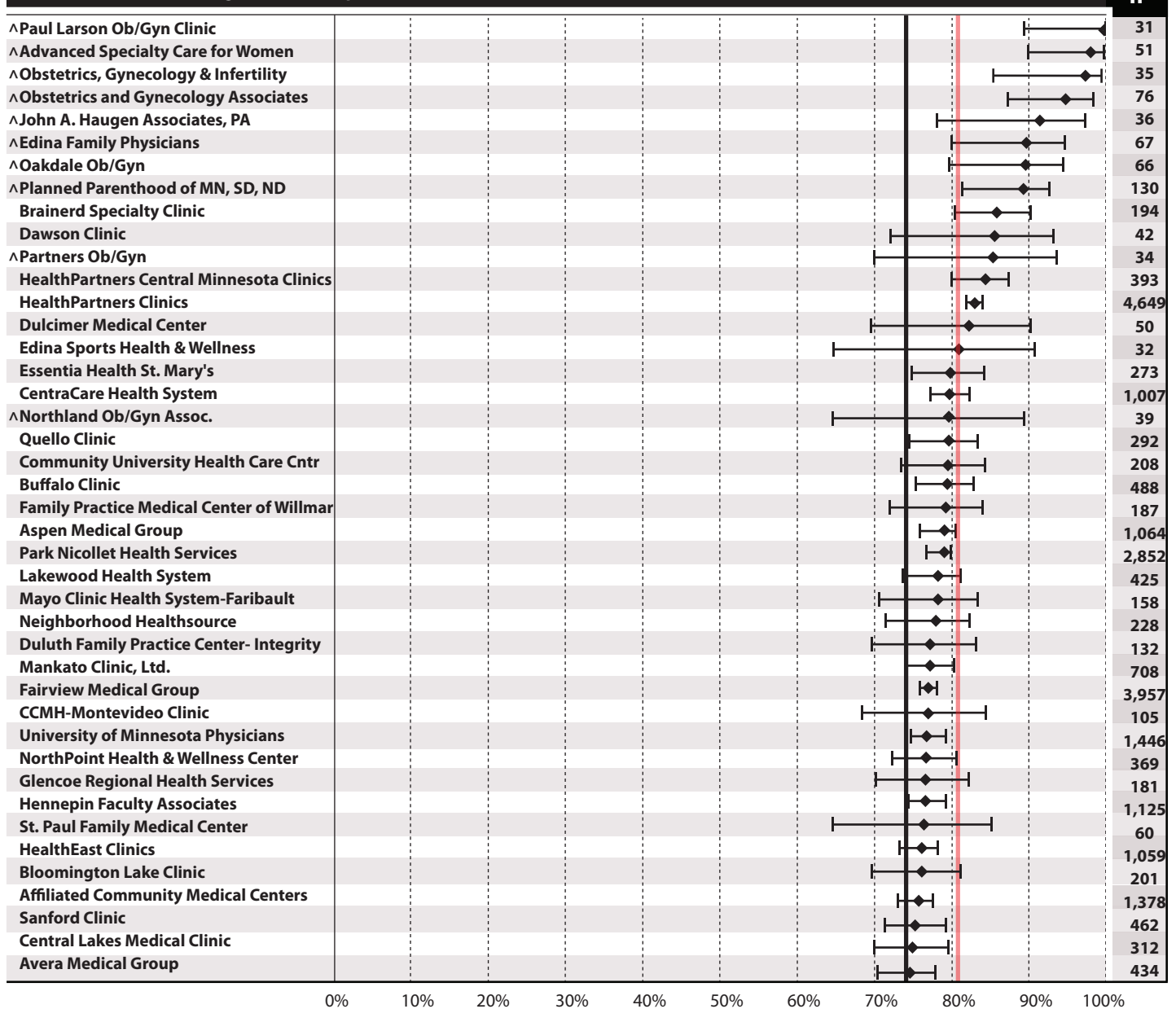
Medical Group Performance Highlights

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 2011 report year, 126 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 54,569 of the 62,234 MHCP patients (88 percent) who are eligible for this measure statewide. The 126 reportable medical groups account for 28 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 most successful medical group, **Paul Larson OB/GYN Clinic** achieved best practice with 100 percent of their MHCP patients, while the least successful, **Target Clinic**, achieved it with only 34 percent of the 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)



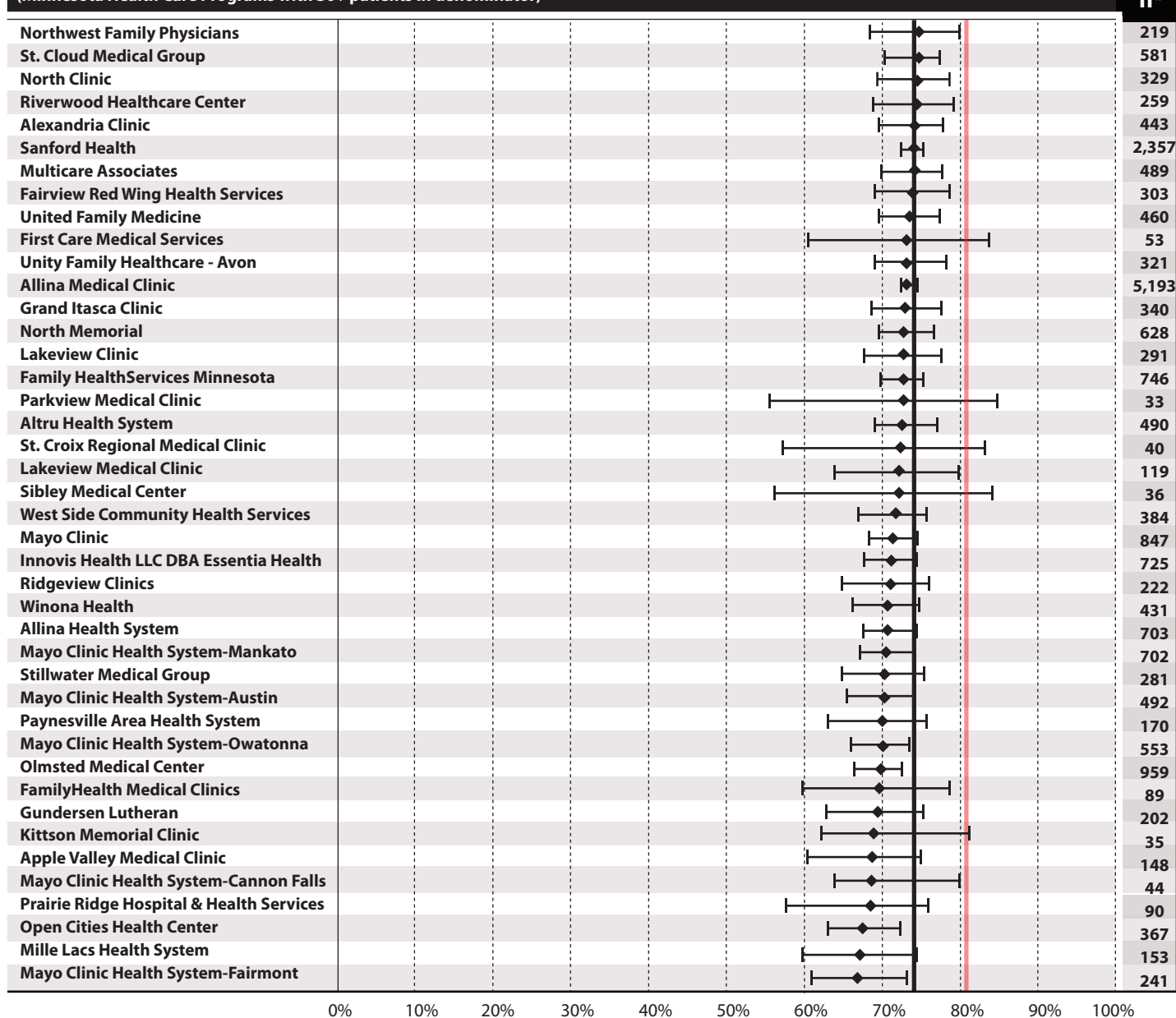
MHCP Medical Group Average 74%
 Other Purchasers Medical Group Average 81%

^ OB/GYN * Urgent Care

| 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Chart 11: Cervical Cancer Rates by Medical Group

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



MHCP Medical Group Average 74%
 Other Purchasers Medical Group Average 81%

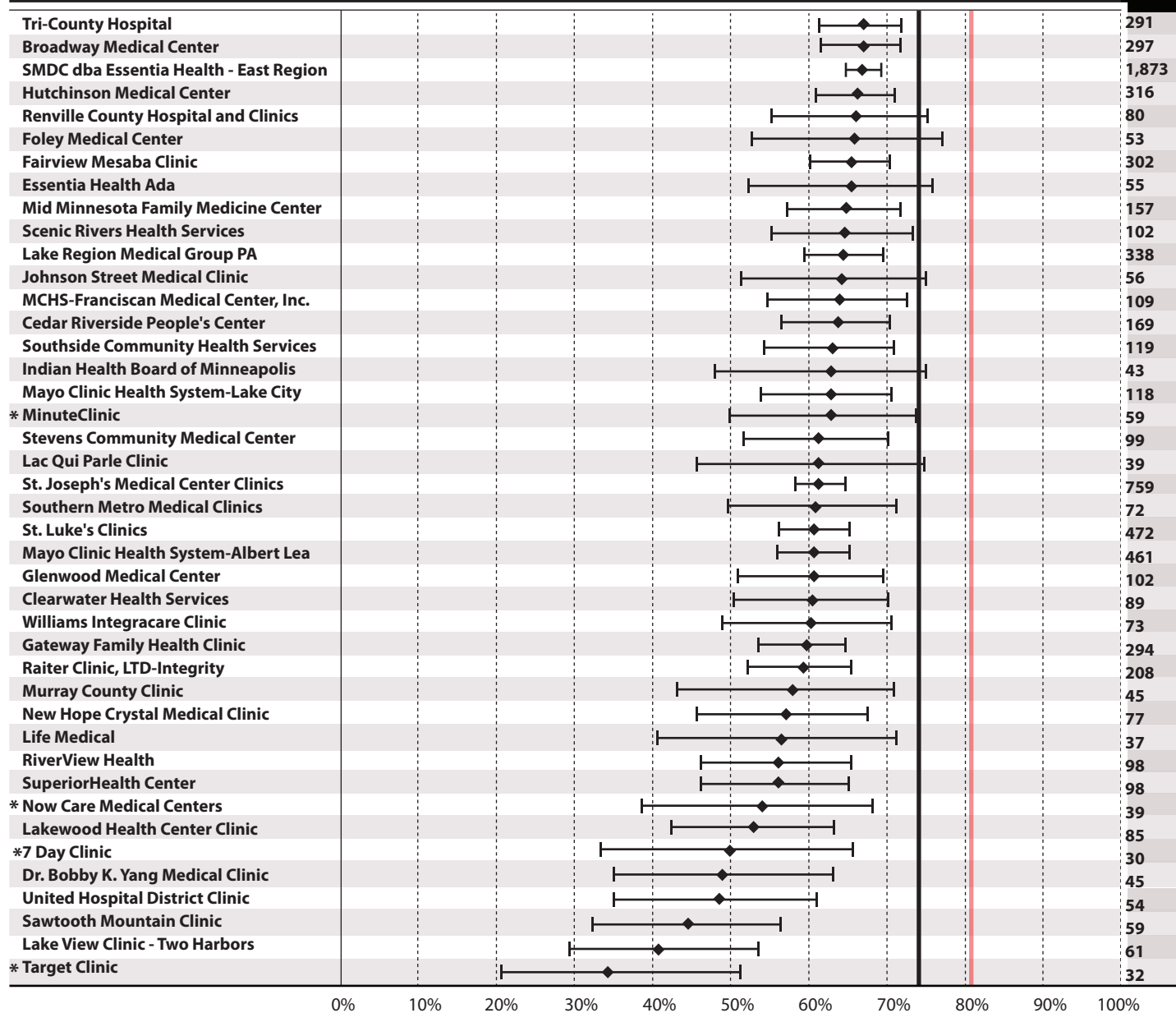
^ OB/GYN * Urgent Care

— 95% Lower Confidence Level/Upper Confidence Level n*= Sample Size

Chart 11: Cervical Cancer Rates by Medical Group

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

n*



MHCP Medical Group Average 74%
 Other Purchasers Medical Group Average 81%

△ OB/GYN * Urgent Care

— 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Paul Larson OB/GYN Clinic had the highest **Cervical Cancer Screening** rate for MHCP patients, at 100 percent. Twenty-three medical groups had rates and confidence intervals that were fully above the medical group average of 74 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Paul Larson OB/GYN Clinic
- Advanced Specialty Care for Women
- Obstetrics, Gynecology & Infertility
- Obstetrics and Gynecology Associates
- John A. Haugen Associates, PA
- Edina Family Physicians
- Oakdale OB/GYN
- Planned Parenthood of MN, ND, SD
- Brainerd Specialty Clinic
- HealthPartners Central Minnesota Clinics
- HealthPartners Clinics
- Essentia Health St. Mary's
- CentraCare Health System
- Quello Clinic
- Buffalo Clinic
- Aspen Medical Group
- Park Nicollet Health Services
- Lakewood Health System
- Mankato Clinic, Ltd.
- Fairview Medical Group
- University of Minnesota Physicians
- Hennepin Faculty Associates: HFA Clinics & HCMC Clinics
- HealthEast Clinics

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Cervical Cancer Screening was made by **Dr. Bobby K. Yang Medical Center**, which achieved greater than a 20 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2009. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following ten medical groups achieved consistently high performance and above average rates over the past three years for Cervical Cancer Screening:

- Aspen Medical Group
- CentraCare Health System
- HealthPartners Clinics
- HealthPartners Central MN Clinics
- John A. Haugen Associates
- Mankato Clinic
- Oakdale OB/GYN
- Obstetrics, Gynecology, & Infertility
- Obstetrics and Gynecology Associates
- Park Nicollet Health Services

Sixty-six medical groups have three years of data- 2009,2010, and 2011.

One medical group out of sixty-six groups (2 percent) showed consistent improvement over three years:

- Johnson Street Medical Clinic

Three medical groups out of sixty-six groups (5 percent) showed consistent decreases over three years:

- Lakeview Clinic
- St. Luke's Clinics
- SuperiorHealth Center

Sixteen medical groups out of sixty-six groups (24 percent) had rates that were relatively stable over three years:

- | | |
|--|---|
| • Allina Health System | • Obstetrics, Gynecology, & Infertility |
| • Aspen Medical Group | • Park Nicollet Health Services |
| • Buffalo Clinic | • Paynesville Area Health System |
| • HealthPartners Central Minnesota Clinics | • Sanford Health |
| • Mankato Clinic, Ltd. | • Scenic Rivers Health Services |
| • Mille Lacs Health System | • Tri-County Hospital |
| • North Clinic | • United Family Medicine |
| • Northwest Family Physicians | • Winona Health |

Forty-six medical groups out of sixty-six groups (70 percent) did not have a discernible pattern.

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"Staying Healthy" measures

Colorectal Cancer Screening

July 1, 2010 - June 30, 2011 Dates of Service

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

- 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 47 percent; the rate for Other Purchasers is 67 percent. This means that statewide, 47 percent of patients enrolled in MHCP had Colorectal Cancer Screening according to guidelines while 67 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	47.4%	46.9% - 47.9%	36,652
Other Purchasers	66.6%	66.4% - 66.7%	500,111

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

No Figure 12.1 for this measure:

Colorectal Cancer Screening Statewide Rates over Time

This is the first year of reporting for this measure.

No Figure 12.2 for this measure:

Colorectal Cancer Screening: Statewide Gaps between Purchasers by Year

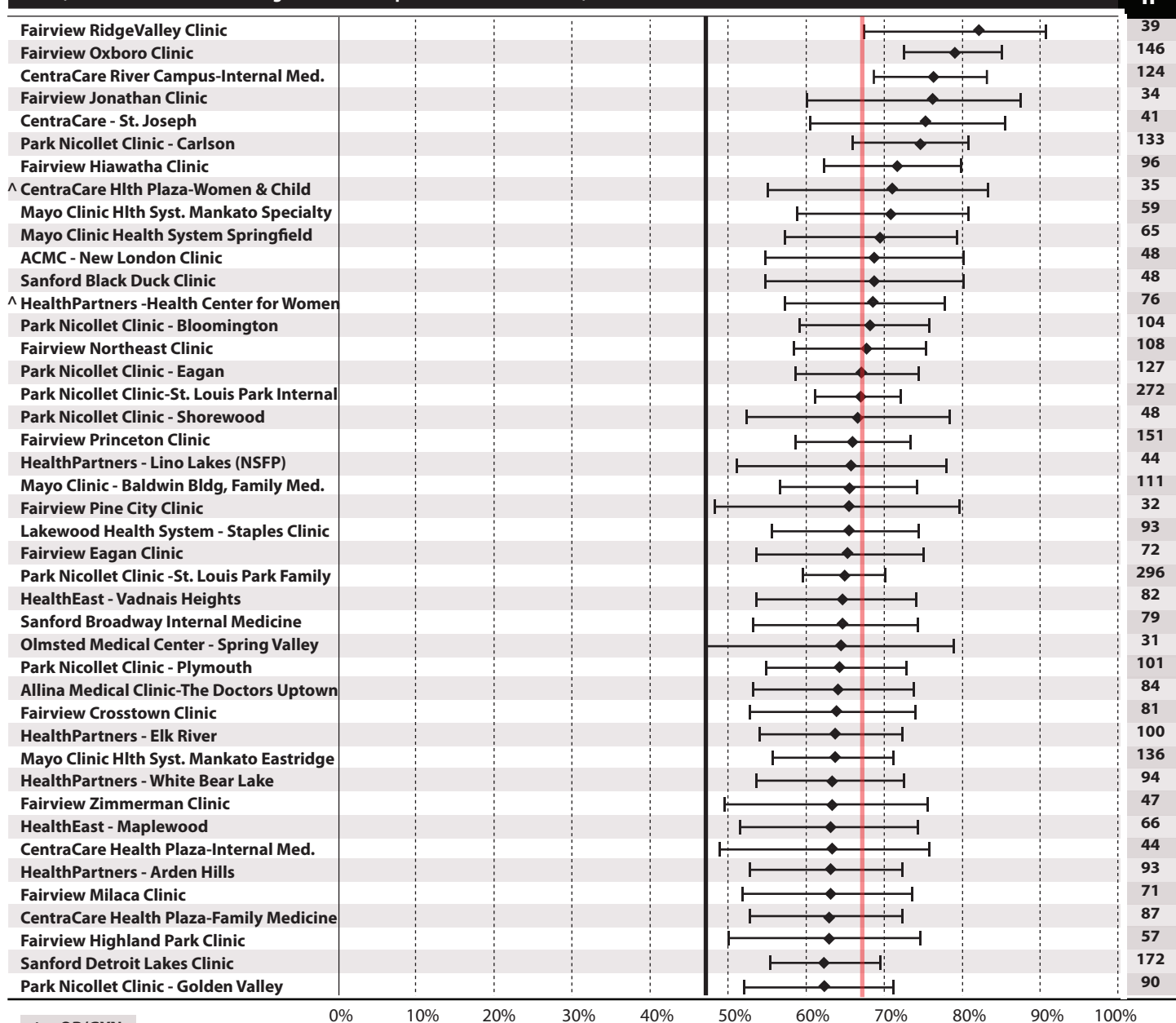
This is the first year of reporting for this measure.

Clinic Level 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 2011 report year, 259 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 259 clinics account for 34,528 of the 36,652 MHCP patients (94 percent) who were eligible for this measure statewide. The 259 reportable clinics account for 51 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 most successful clinic, **Fairview RidgeValley**, achieved best practice with 82 percent of their MHCP patients, while **Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park Clinic** and **North Memorial Clinic - Northeast Family Physicians**, were the least successful having achieved it with only 19 percent. Performance variation is not unique to MHCP and provides evidence that there is 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)

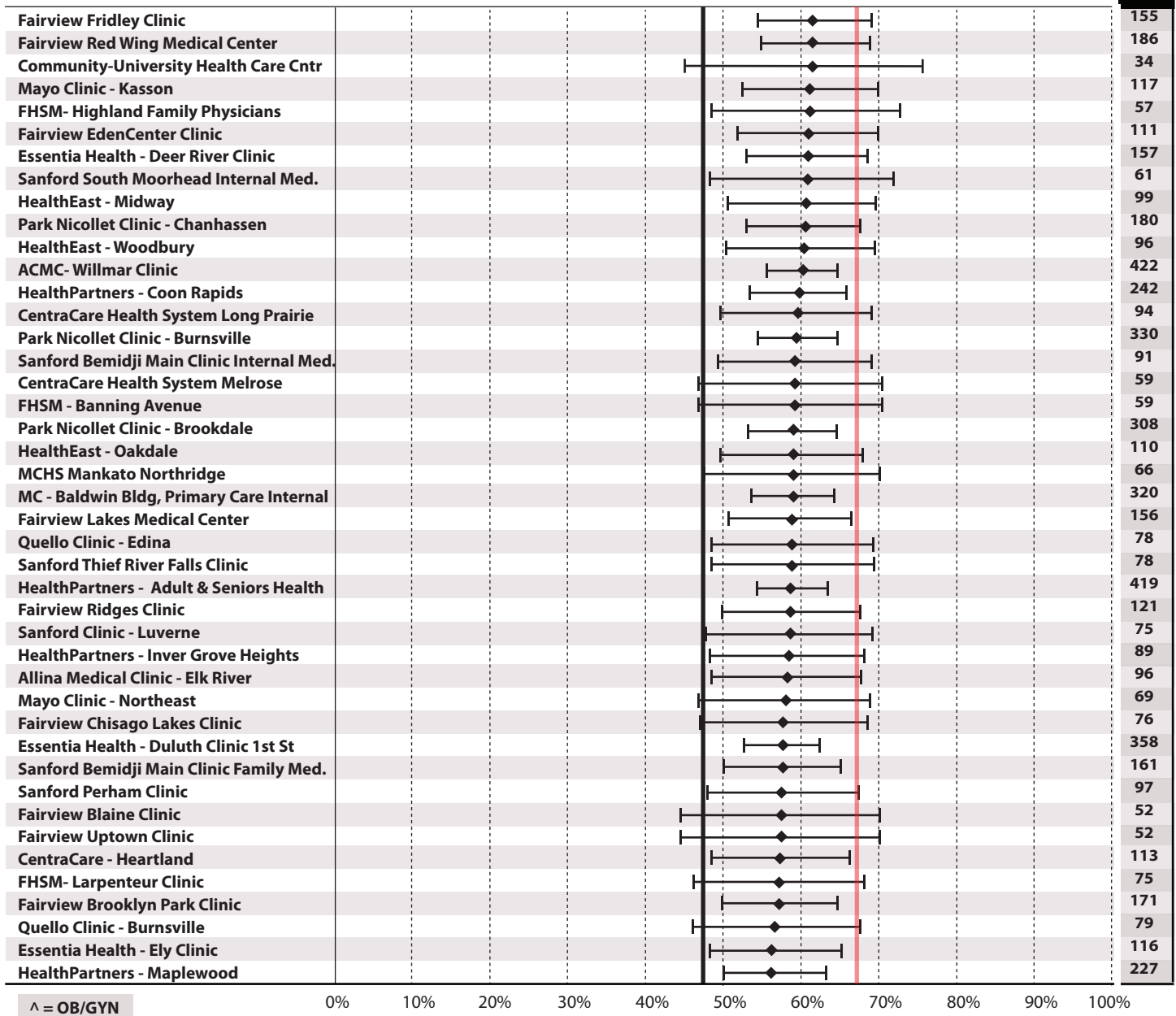


ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 HFA - Hennepin Faculty Associates
 MC - Mayo Clinic
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

95% Lower Confidence Level/Upper Confidence Level n*= Sample Size

Chart 12.1: Colorectal Cancer Screening Rates by Clinic

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

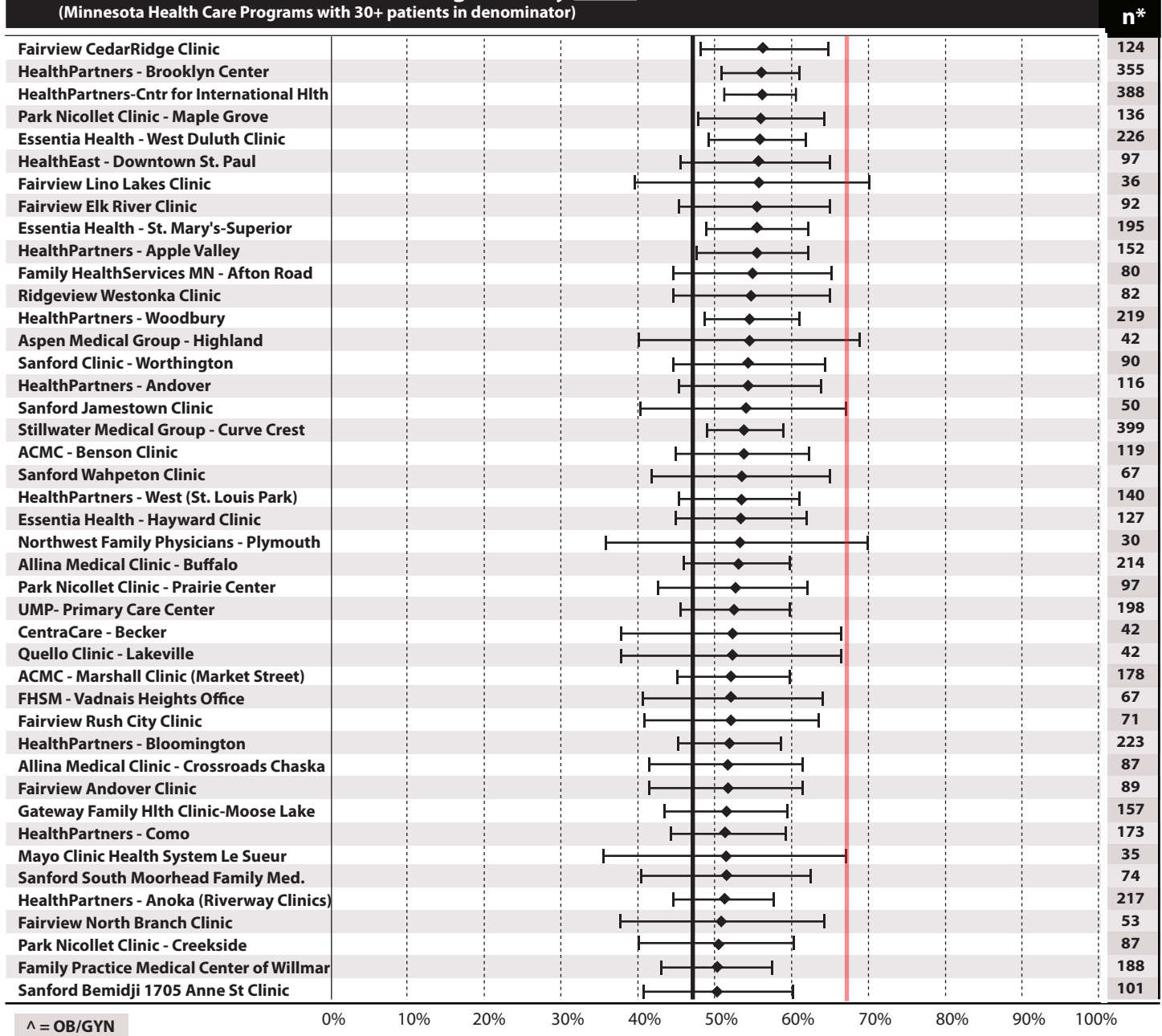


ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 HFA - Hennepin Faculty Associates
 MC - Mayo Clinic
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

— 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Chart 12.1: Colorectal Cancer Screening Rates by Clinic

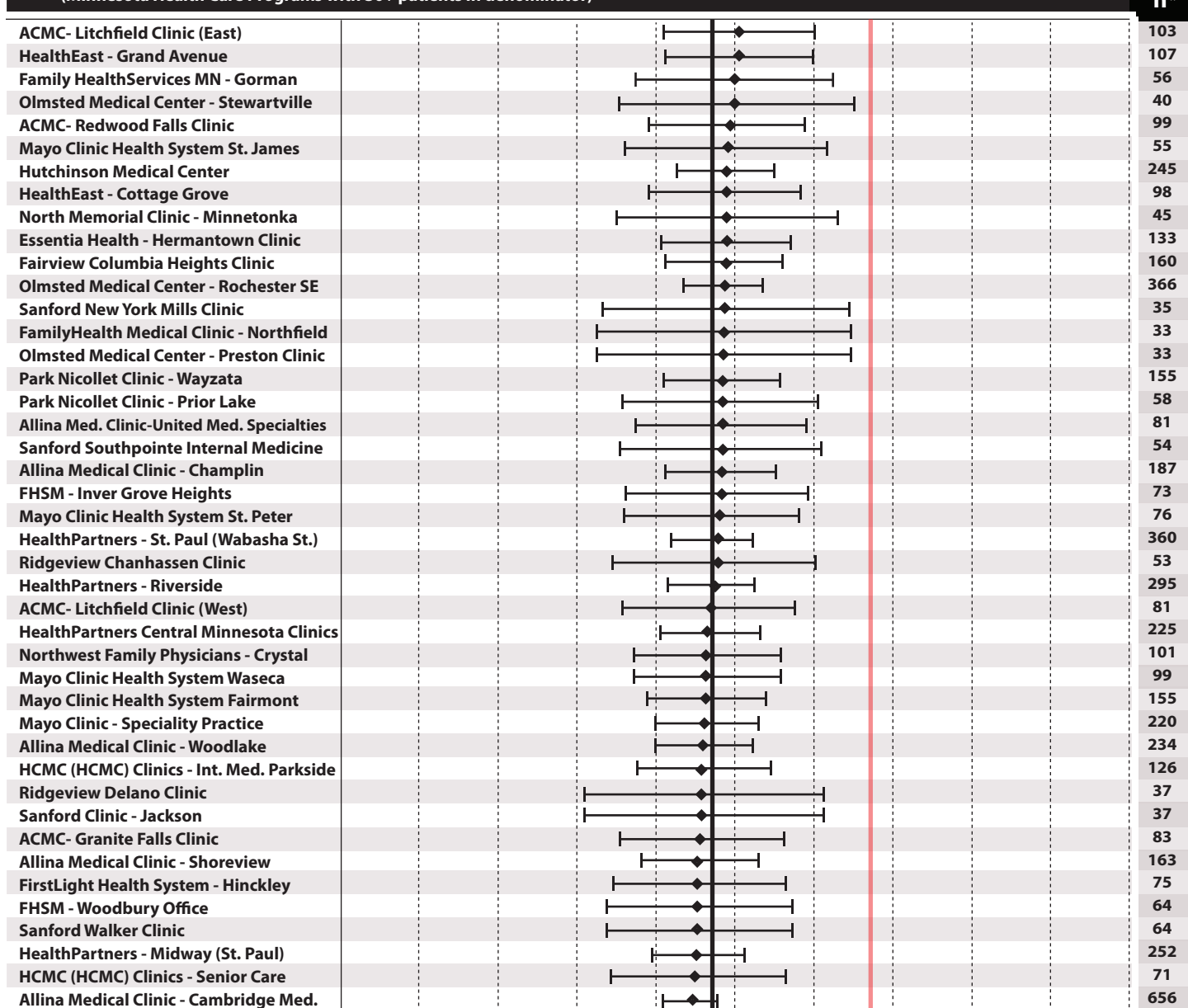
(Minnesota Health Care Programs with 30+ patients in denominator)



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 HFA - Hennepin Faculty Associates
 MC - Mayo Clinic
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Chart 12.1: Colorectal Cancer Screening Rates by Clinic

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



^ = OB/GYN

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

MHCP Clinic Average 47%

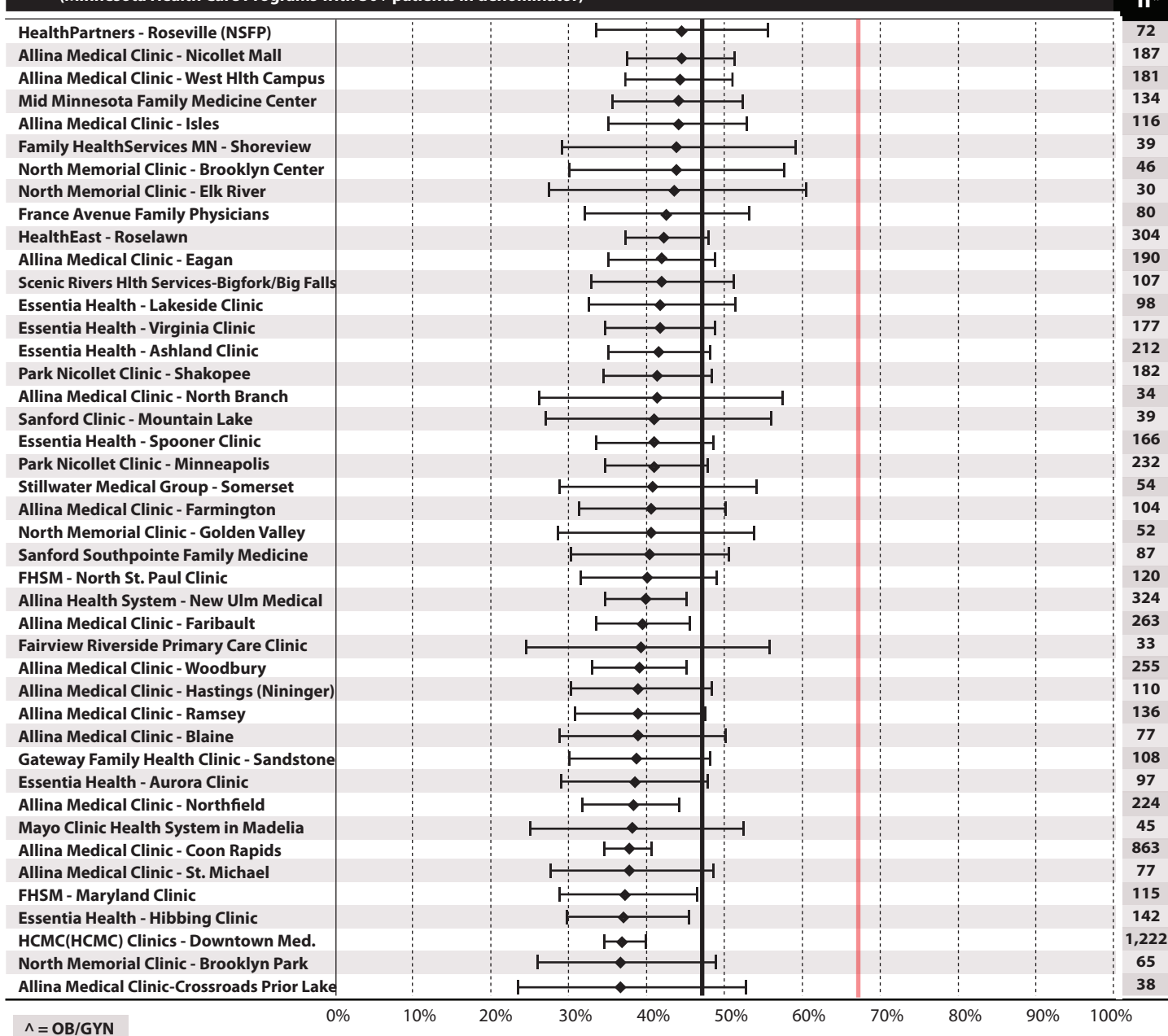
Other Purchasers Clinic Average 67%

— 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

ACMC - Affiliated Community Medical Centers
AHS - Allina Health System
AMC - Allina Medical Clinic
FHSM - Family HealthServices Minnesota
HCMC - Hennepin County Medical Center
HFA - Hennepin Faculty Associates
MC - Mayo Clinic
MCCHS - Mayo Clinic Health System
NMC - North Memorial Clinic
PNC - Park Nicollet Clinic
SMDC - St. Mary's Duluth Clinic
UMP - University of Minnesota Physicians

Chart 12.1: Colorectal Cancer Screening Rates by Clinic

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



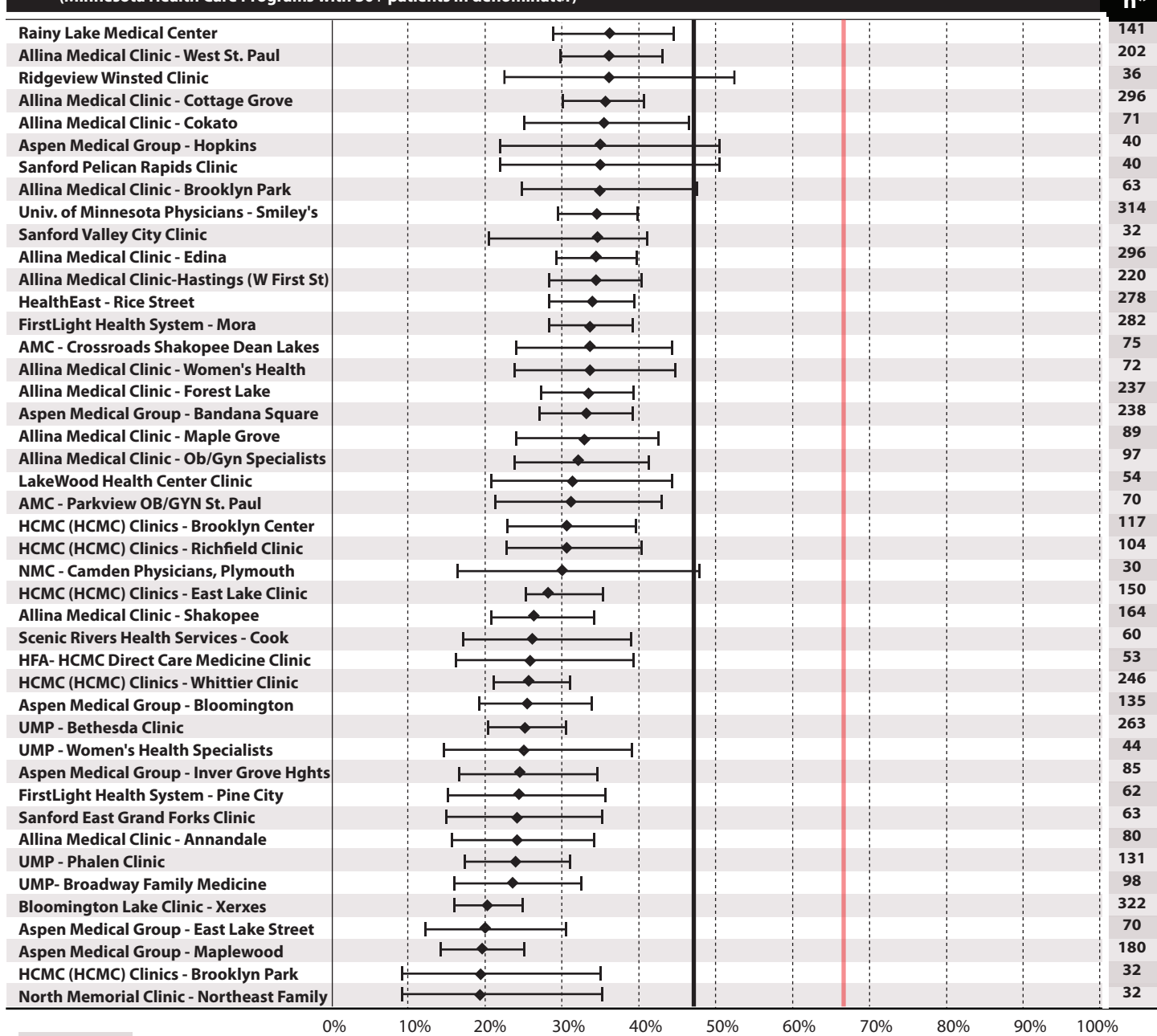
^ = OB/GYN

ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 HFA - Hennepin Faculty Associates
 MC - Mayo Clinic
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

— 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Chart 12.1: Colorectal Cancer Screening Rates by Clinic

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



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 HFA - Hennepin Faculty Associates
 MC - Mayo Clinic
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Performance Highlights - Clinic Level Results

Clinics with Above Average MHCP Rates in Report Year 2011

Fairview RidgeValley Clinic had the highest rate of **Colorectal Cancer Screening** for their MHCP patients at 82 percent. Eighty-two clinics had rates and confidence intervals that were fully above the clinic average of 47 percent for patients enrolled in MHCP. These clinics are listed below in order from high to low performance.

- Fairview RidgeValley Clinic
- Fairview Oxboro Clinic
- CentraCare River Campus-Internal Medicine
- Fairview Jonathan Clinic
- CentraCare - St. Joseph
- Park Nicollet Clinic - Carlson
- Fairview Hiawatha Clinic
- CentraCare Health Plaza-Women & Children OB/GYN
- Mayo Clinic Health System Mankato Specialty
- Mayo Clinic Health System Springfield
- Affiliated Community Medical Centers - New London Clinic
- Sanford Black Duck Clinic
- HealthPartners - Health Center for Women
- Park Nicollet Clinic - Bloomington
- Fairview Northeast Clinic
- Park Nicollet Clinic - Eagan
- Park Nicollet Clinic - St. Louis Park Int. Med.
- Park Nicollet Clinic - Shorewood
- Fairview Princeton Clinic
- HealthPartners - Lino Lakes (NSFP)
- Mayo Clinic - Baldwin Building, Family Med.
- Fairview Pine City Clinic
- Lakewood Health System - Staples Clinic
- Fairview Eagan Clinic
- Park Nicollet Clinic - St. Louis Park Family Med.
- HealthEast - Vadnais Heights
- Sanford Broadway Internal Medicine Clinic
- Park Nicollet Clinic - Plymouth
- Allina Medical Clinic - The Doctors Uptown
- Fairview Crosstown Clinic
- HealthPartners - Elk River (Riverway Clinics)
- Mayo Clinic Health System Mankato Eastridge
- HealthPartners - White Bear Lake
- Fairview Zimmerman Clinic
- HealthEast - Maplewood
- CentraCare Health Plaza-Internal Medicine
- HealthPartners - Arden Hills
- Fairview Milaca Clinic
- CentraCare Health Plaza-Family Medicine
- Fairview Highland Park Clinic
- Sanford Detroit Lakes Clinic
- Park Nicollet Clinic - Golden Valley
- Fairview Fridley Clinic
- Fairview Red Wing Medical Center
- Mayo Clinic - Kasson
- Family HealthServices Minnesota - Highland Family Physicians
- Fairview EdenCenter Clinic
- Essentia Health - Deer River Clinic
- Sanford South Moorhead Internal Medicine
- HealthEast - Midway
- Park Nicollet Clinic - Chanhassen
- HealthEast - Woodbury
- Affiliated Community Medical Centers - Willmar Clinic
- HealthPartners - Coon Rapids
- CentraCare Health System Long Prairie
- Park Nicollet Clinic - Burnsville
- Sanford Bemidji Main Clinic Internal Medicine
- Park Nicollet Clinic - Brookdale
- HealthEast - Oakdale
- Mayo Clinic - Baldwin Building, Primary Care Internal Medicine
- Fairview Lakes Medical Center
- Quello Clinic - Edina
- Sanford Thief River Falls Clinic
- HealthPartners - Adult & Seniors Health
- Fairview Ridges Clinic
- HealthPartners - Inver Grove Heights
- Allina Medical Clinic - Elk River
- Essentia Health - Duluth Clinic 1st St
- Sanford Bemidji Main Clinic Family Medicine
- Sanford Perham Clinic
- CentraCare - Heartland
- Fairview Brooklyn Park Clinic
- Essentia Health - Ely Clinic
- HealthPartners - Maplewood
- Fairview CedarRidge Clinic
- HealthPartners - Brooklyn Center
- HealthPartners - Center for International Hlth
- Park Nicollet Clinic - Maple Grove
- Essentia Health - West Duluth Clinic
- Essentia Health - St. Mary's-Superior Clinic
- HealthPartners - Woodbury
- Stillwater Medical Group - Curve Crest Clinic

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

Clinic Level Performance Over Time (2009-2011)

Not applicable because this is the first year of reporting for this measure.

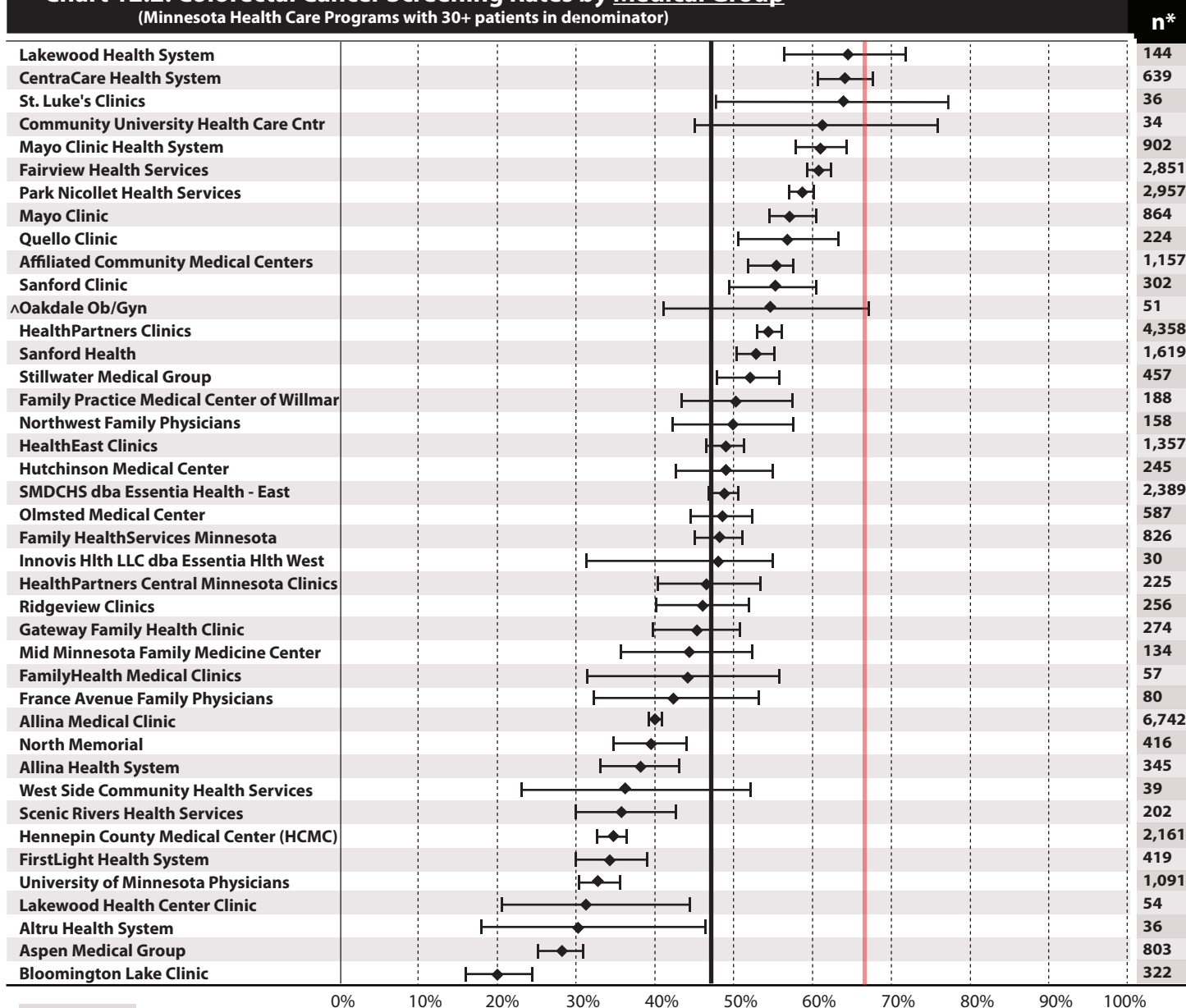
Medical Group Performance Highlights

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 2011 report year, 41 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 41 medical groups account for 36,031 of the 36,652 MHCP patients (98 percent) who were eligible for this measure statewide. The 41 reportable medical groups account for 36 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 enrolled in MHCP. The most successful medical group, **Lakewood Health System**, achieved best practice with 65 percent of their MHCP patients, while Bloomington Lake Clinic, was the least successful having achieved it with only 20 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)



ACMC - Affiliated Community Medical Centers
 AHS - Allina Health System
 AMC - Allina Medical Clinic
 FHSM - Family HealthServices Minnesota
 HCMC - Hennepin County Medical Center
 HFA - Hennepin Faculty Associates
 MC - Mayo Clinic
 MCHS - Mayo Clinic Health System
 NMC - North Memorial Clinic
 PNC - Park Nicollet Clinic
 SMDC - St. Mary's Duluth Clinic
 UMP - University of Minnesota Physicians

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Lakewood Health System had the highest rate of Colorectal Cancer Screening with their MHCP patients at 65 percent. Twelve medical groups had rates and confidence intervals that were fully above the medical group average of 47 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- Lakewood Health System
- CentraCare Health System
- Mayo Clinic Health System
- Fairview Health Services
- Park Nicollet Health Services
- Mayo Clinic
- Quello Clinic
- Affiliated Community Medical Centers
- Sanford Clinic
- HealthPartners Clinics
- Sanford Health
- Stillwater Medical Group

Biggest Improvement from 2010-2011

Not applicable because this is the first year of reporting for this measure.

Medical Group Level Performance Over Time (2009-2011)

Not applicable because this is the first year of reporting for this measure.

"Staying Healthy" measures

Chlamydia Screening in Women

This measures the percentage of sexually active women aged 16-24 based on CPT codes 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 58 percent; the rate for Other Purchasers was 47 percent. Table 13 displays these statewide rates.

Table 13: Statewide Rates* for Chlamydia Screening in Women

Purchasers	Statewide Rate*	95% CI	Denominator
MHCP	57.5%	56.7% - 58.3%	15,614
Other Purchasers	46.5%	46.1% - 47.0%	44,276

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

Figure 13.1 displays the statewide rates over time. The rates for MHCP patients have slightly increased each year since 2009, and the rates for patients enrolled with Other Purchasers were stable between 2010 and 2011.

The figure also includes the 2011 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide MHCP rate is the same as the 2011 national Medicaid HEDIS benchmark; the Other Purchasers rate is above the 2011 national Commercial benchmark.

Figure 13.1: Chlamydia Screening in Women Statewide Rates over Time

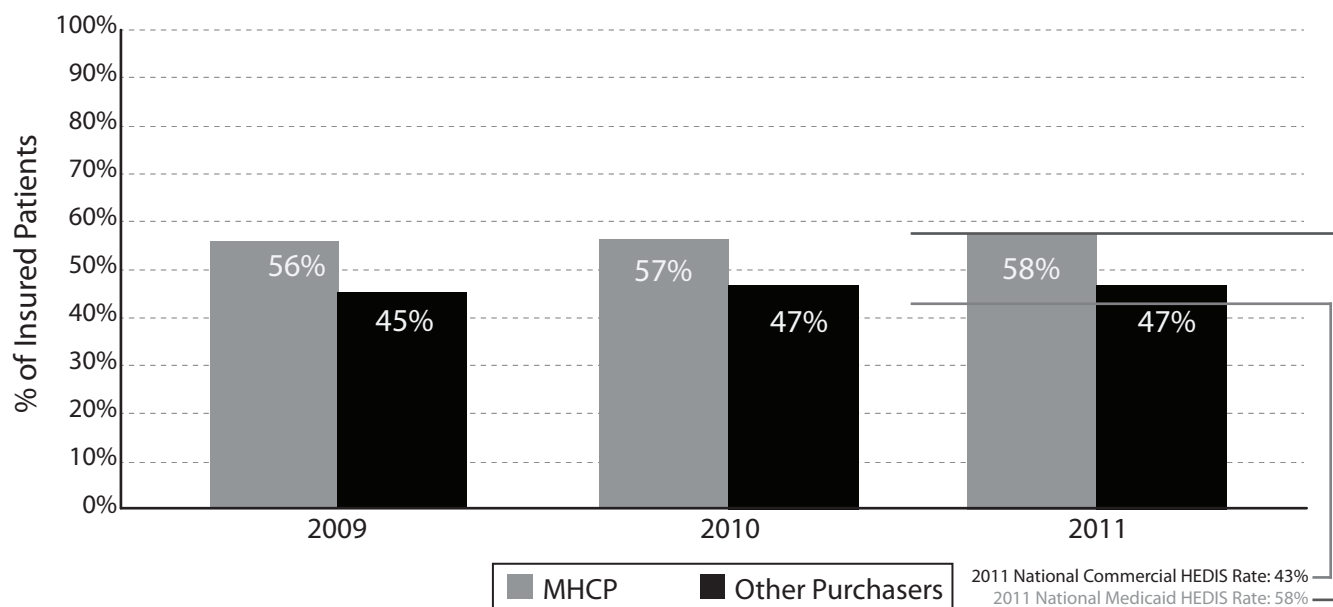
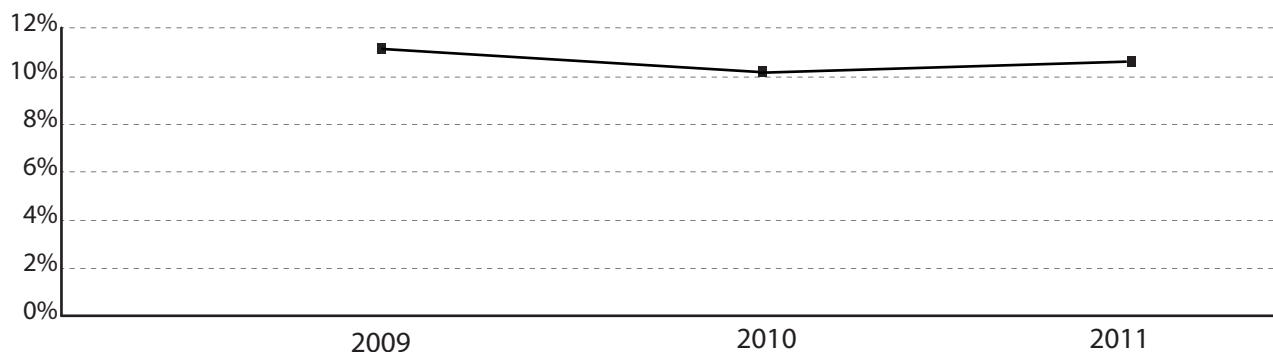


Figure 13.2 focuses on the gaps between purchasers over time. For the Chlamydia Screening in Women measure, the gap has remained relatively stable since the 2009 report year.

Figure 13.2 Chlamydia Screening: Statewide Gaps between MHCP patients and patients Enrolled with Other Purchasers by Year (Other Purchasers - MHCP)



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 2011 report year, 78 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 78 medical groups account for 13,695 of the 15,614 MHCP patients (88 percent) who are eligible for this measure statewide. The 78 reportable medical groups account for 26 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 most successful medical group, **Face to Face Health and Counseling**, achieved best practice with 84 percent of their MHCP patients, while the least successful, **Lakewood Health System**, achieved it with only 16 percent of the 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)

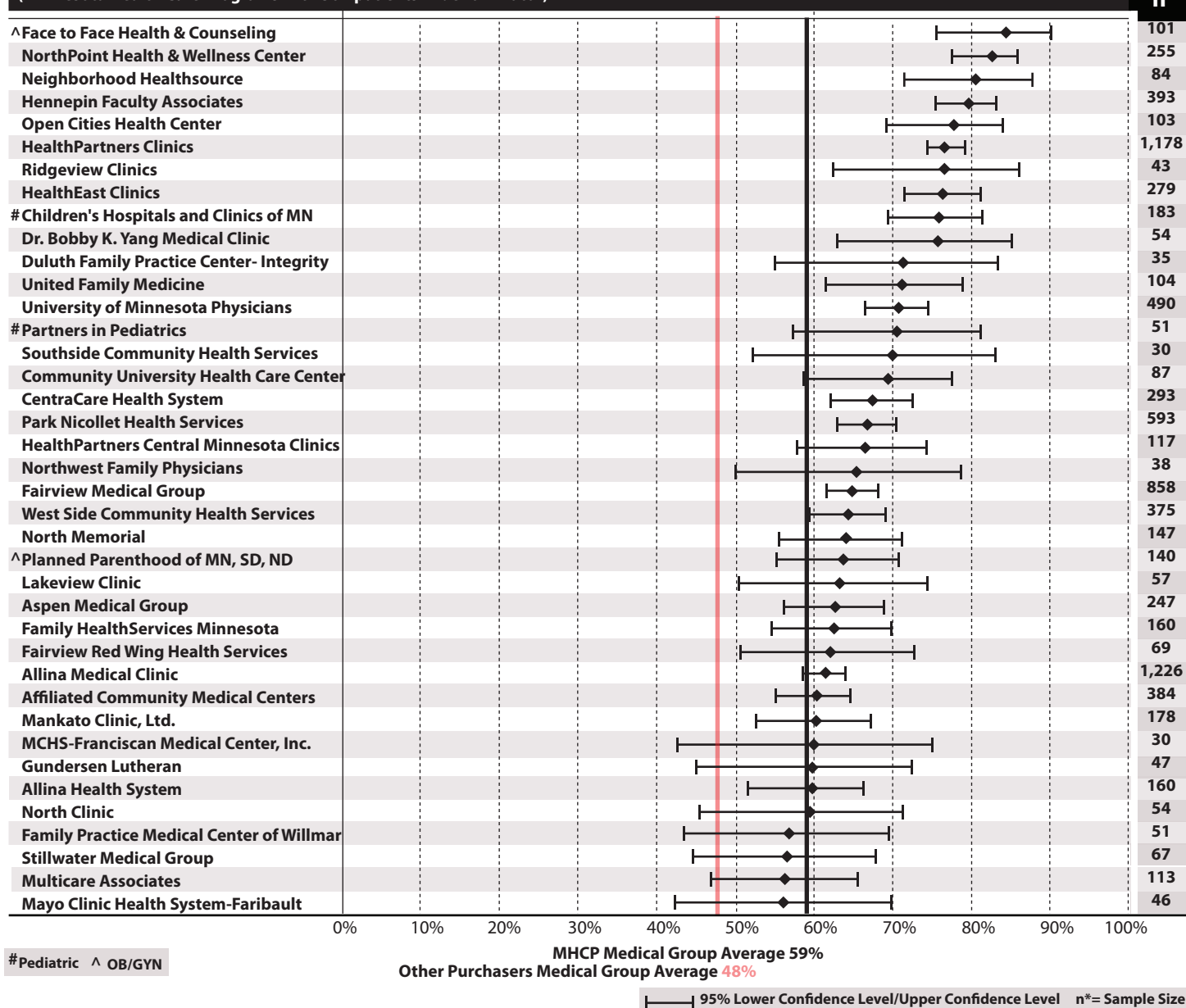
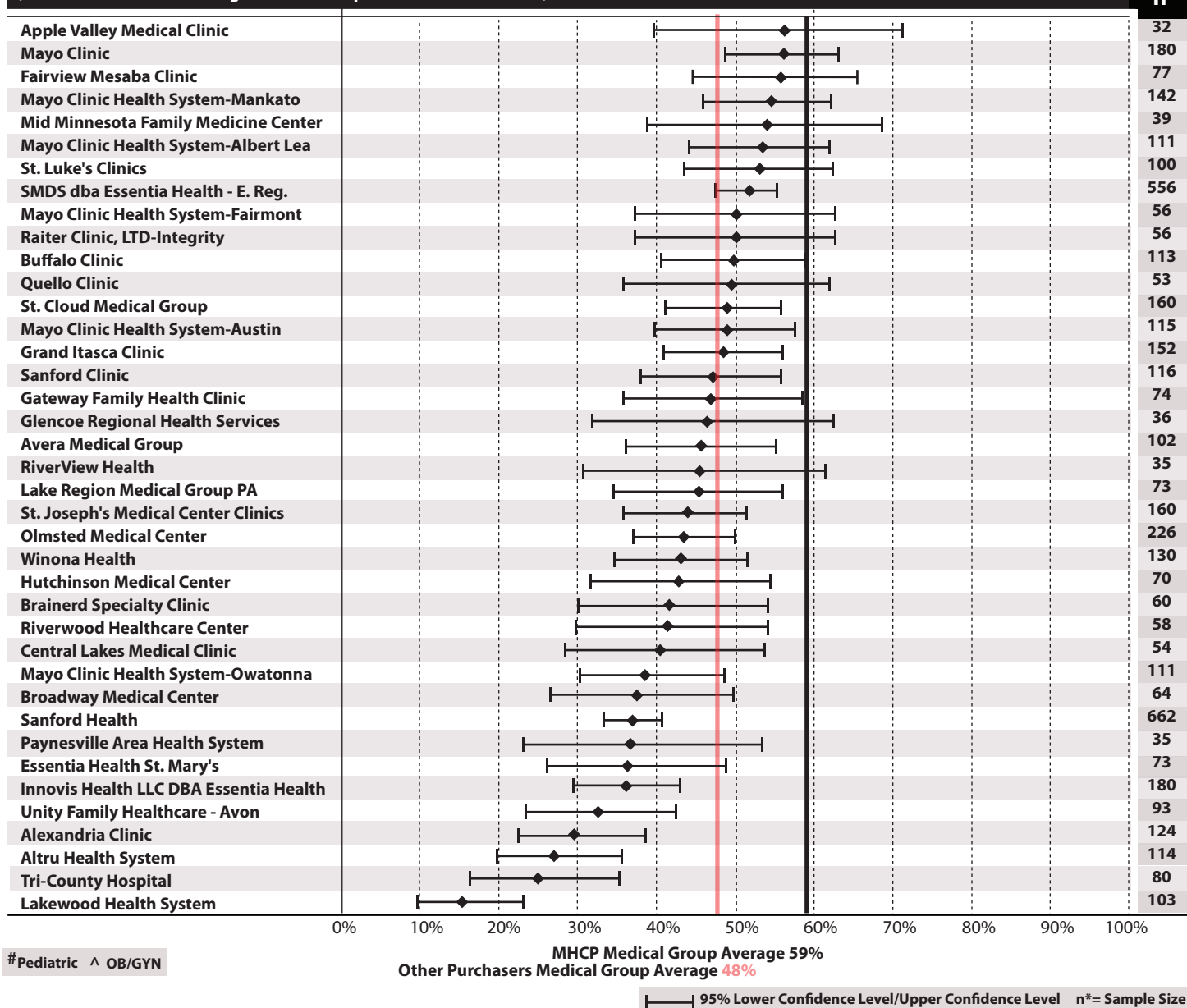


Chart 13: Chlamydia Screening Rates by Medical Group

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



Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2011

Face to Face Health & Counseling had the highest **Chlamydia Screening** rate for MHCP patients, at 84 percent. Sixteen medical groups had rates and confidence intervals that were fully above 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.

- Face to Face Health & Counseling
- NorthPoint Health and Wellness Center
- Neighborhood Healthsource
- Hennepin Faculty Associates: HFA Clinics & HCMC Clinics
- Open Cities Health Center
- HealthPartners Clinics
- Ridgeview Clinics
- HealthEast Clinics
- Children's Hospitals and Clinics of Minnesota
- Dr. Bobby K. Yang Medical Clinic
- United Family Medicine
- University of Minnesota Physicians
- CentraCare Health System
- Park Nicollet Health Services
- Fairview Medical Group
- West Side Community Health Services

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Chlamydia Screening was made by **Dr. Bobby K. Yang Medical Clinic**, which achieved greater than a 25 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2009. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following five medical groups achieved consistently high performance and above average rates over the past three years for Chlamydia Screening:

- HealthPartners Clinics
- Hennepin Faculty Associates & HCMC Clinics
- NorthPoint Health and Wellness Center
- Park Nicollet Health Services
- United Family Medicine

Forty-four medical groups have three years of data- 2009,2010, and 2011.

Two medical groups out of forty-four (5 percent) showed consistent improvement over three years:

- Alexandria Clinic
- Fairview Mesaba Clinic

Two medical groups out of forty-four (5 percent) showed consistent decreases over three years:

- Altru Health System
- St. Cloud Medical Group

Three medical groups out of forty-four (7 percent) had rates that were relatively stable over three years:

- Central Lakes Medical Clinic- Integrity
- Hutchinson Medical Center
- NorthPoint Health and Wellness Center

Thirty-seven medical groups out of forty-four (84 percent) did not have a discernible pattern.

"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 and patients enrolled with Other Purchasers have similar rates of Childhood Immunizations. The MHCP statewide rate for Childhood Immunizations was 71 percent; the rate for Other Purchasers was 72 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	71.1%	69.8% - 72.4%	4,823
Other Purchasers	71.6%	69.7% - 73.3%	2,402

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

Figure 14.1 displays the statewide rates over time. The rates for both purchasers have improved since 2006, but have declined compared to last year. The 2011 Childhood Immunization Status rates for both purchasers dropped several percentage points from 2010.

The figure also includes the 2011 National HEDIS Medicaid and Commercial rates as benchmarks for comparison. The statewide rate for MHCP patients is slightly above the national benchmark, but the rate for patients enrolled with Other Purchasers is 3 percentage points lower than the national HEDIS benchmark.

Figure 14.1: Childhood Immunization Status (Combo 3) Statewide Rates over Time

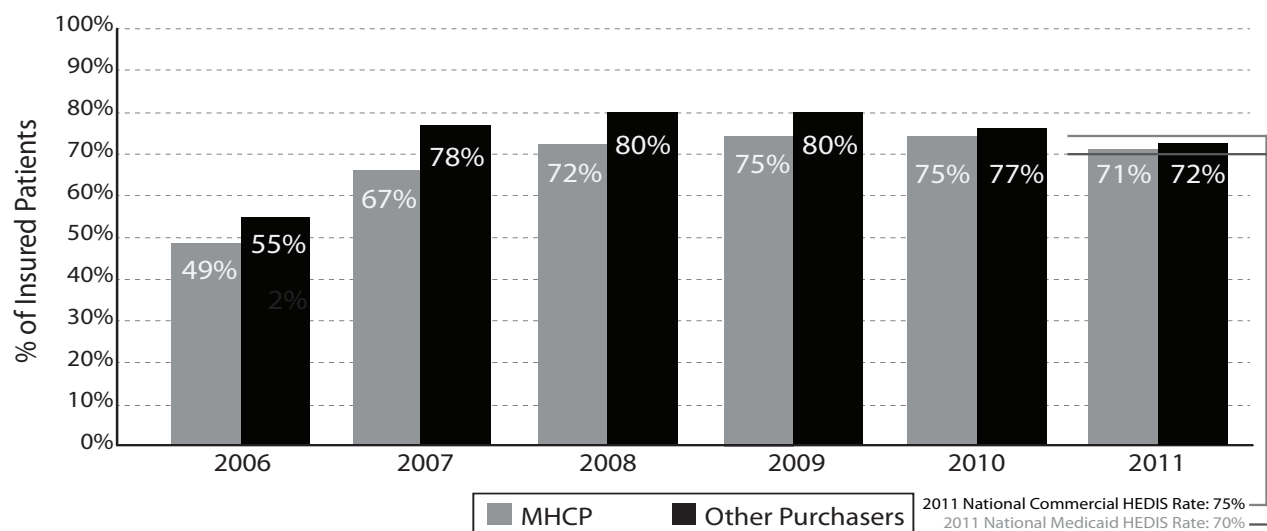
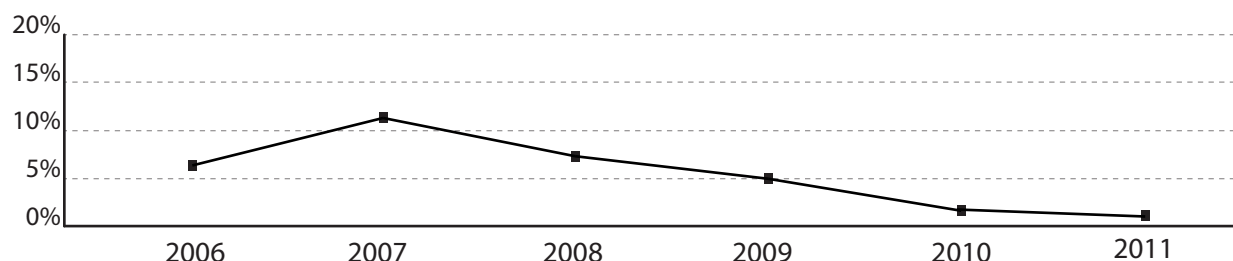


Figure 14.2 focuses on the gaps between purchasers over time. For the Childhood Immunization Status measure, the gap increased substantially from 2006 to 2007, but the gap has continuously decreased from year to year since then and this change is statistically significant ($p_{\text{trend}} = 0.046$).

Figure 12.2 Childhood Immunization Status (Combo 3): Statewide Gaps between MHCP patients and patients enrolled with Other Purchasers by Year (Other Purchasers - MHCP)



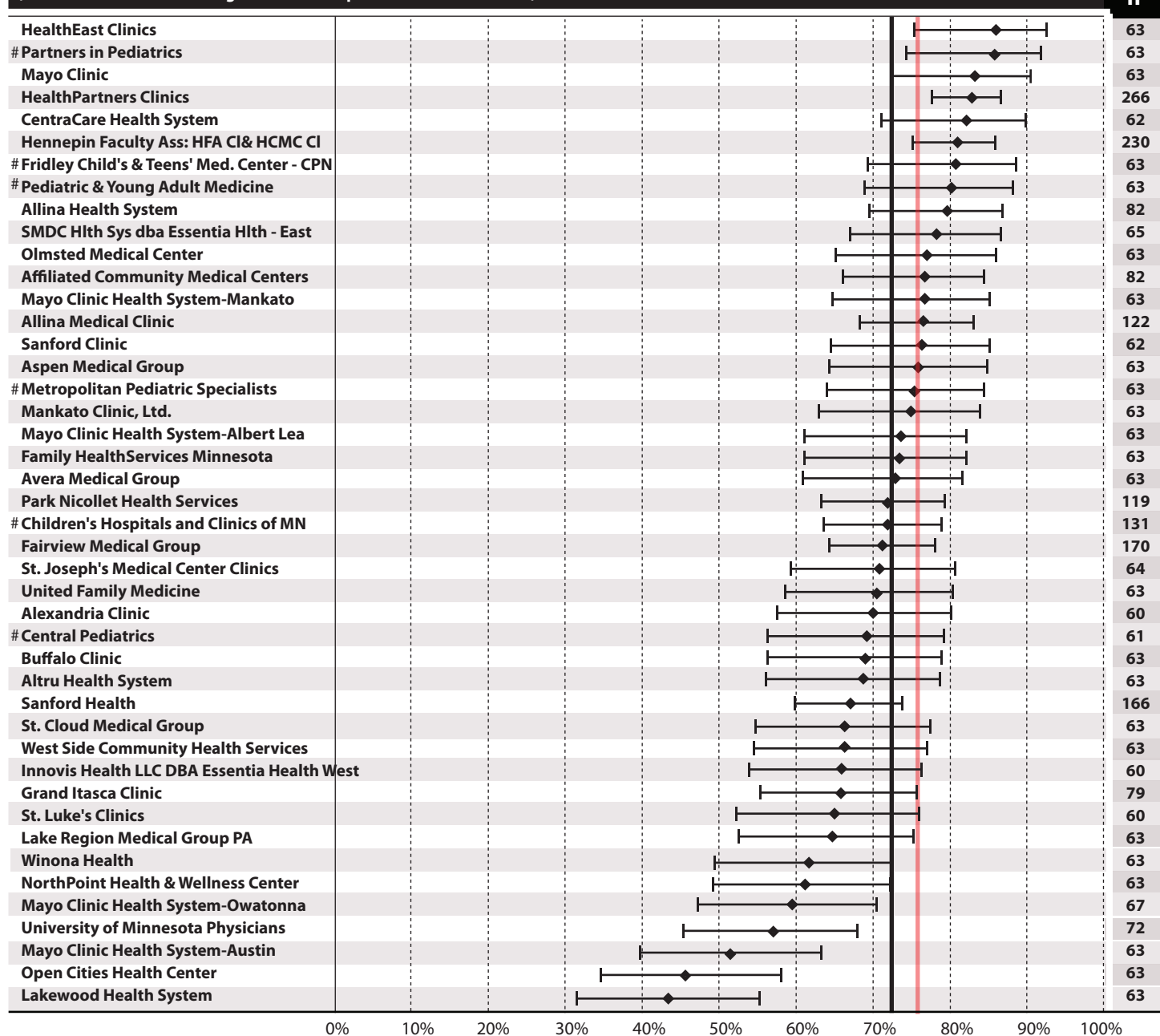
Medical Group Performance Highlights

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 2011 report year, 44 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 44 medical groups account for 3,592 of the 4,823 MHCP patients (74 percent) who are eligible for this measure statewide. The 44 reportable medical groups account for 21 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 most successful medical group, **HealthEast Clinics**, achieved best practice with 86 percent of their MHCP patients, while the least successful, **Lakewood Health System**, achieved it with only 43 percent of the 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 72%
 Other Purchasers Medical Group Average 76%
 — 95% Lower Confidence Level/Upper Confidence Level n* = Sample Size

Performance Highlights - Medical Group Level Results

Medical Groups with Above Average MHCP Rates in Report Year 2010

HealthEast Clinics had the highest **Childhood Immunization Status** rate for MHCP patients, at 86 percent. Four medical groups had rates and confidence intervals that were fully above the medical group average of 73 percent for patients enrolled in MHCP. These medical groups are listed below in order of high to low performance.

- HealthEast Clinics
- Partners in Pediatrics
- HealthPartners Clinics
- Hennepin Faculty Associates: HFA Clinics & HCMC Clinics

Biggest Improvement from 2010-2011

The biggest improvement since report year 2010 in Childhood Immunization Status was made by **Partners in Pediatrics**, which achieved greater than a 10 percentage point increase in their MHCP patients.

Performance Highlights - Medical Group Level Results

Medical Group Performance Over Time (2009-2011)

We reviewed the data to identify patterns of medical group performance in those medical groups that have three years of data beginning in 2008. We looked for patterns of consistent high performance, consistent improvement, consistent decreases, and relative stability. The results are summarized below and listed in alphabetical order.

The following medical group achieved consistently high performance and above average rates over the past three years for Childhood Immunization Status:

- HealthPartners Clinics

Twenty medical groups have three years of data- 2009,2010, and 2011.

Zero medical groups showed consistent improvement over three years.

Four medical groups out of twenty (20 percent) showed consistent decreases over three years:

- Innovis Health LLC dba Essentia Health
- Mankato Clinic, Ltd.
- Park Nicollet Health Services
- Sanford Health

Four medical groups out of twenty (20 percent) had rates that were relatively stable over three years:

- Aspen Medical Group
- Family HealthServices Minnesota
- HealthPartners Clinics
- St. Mary's Duluth Clinic Health System dba Essentia Health - East Region

Twelve medical groups out of twenty (60 percent) did not have a discernible pattern.

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An Examination of Statewide MHCP Performance Rates by Race and 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, yet most existing performance measures have not been reported by race and ethnicity. Race and ethnicity remain significant predictors of the quality of health care received even when accounting for socioeconomic conditions (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.

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 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 possible to report Optimal Diabetes Care, Optimal Vascular Care, and Depression Remission at Six Months measures by race and ethnicity because these specific data elements are not yet submitted by all clinics in a standard form and using best practices to collect this information from patients. As more clinics submit these data elements and the data are validated, 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.

(continued on next page.)

An Examination of Statewide MHCP Performance Rates by Race and 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 catchall “multi-racial” or “more than one race” category.

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

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

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 American Indian/Alaskan Native racial group has the highest rate of controlling high blood pressure compared to other known racial groups. There are no racial groups with a performance rate that is significantly above the statewide MHCP rate (70 percent). As was true last year as well, the Black/African American racial group has a performance rate significantly below the statewide MHCP rate.

Figure 15.1: Controlling High Blood Pressure Statewide Rates by Race

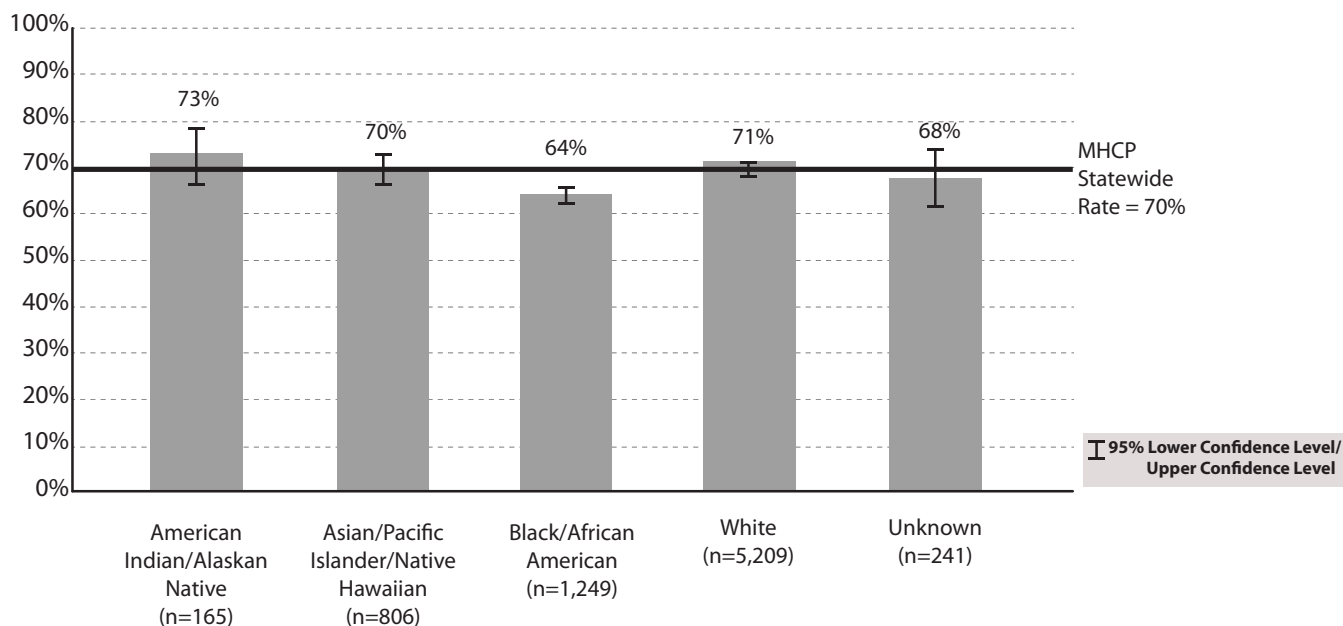
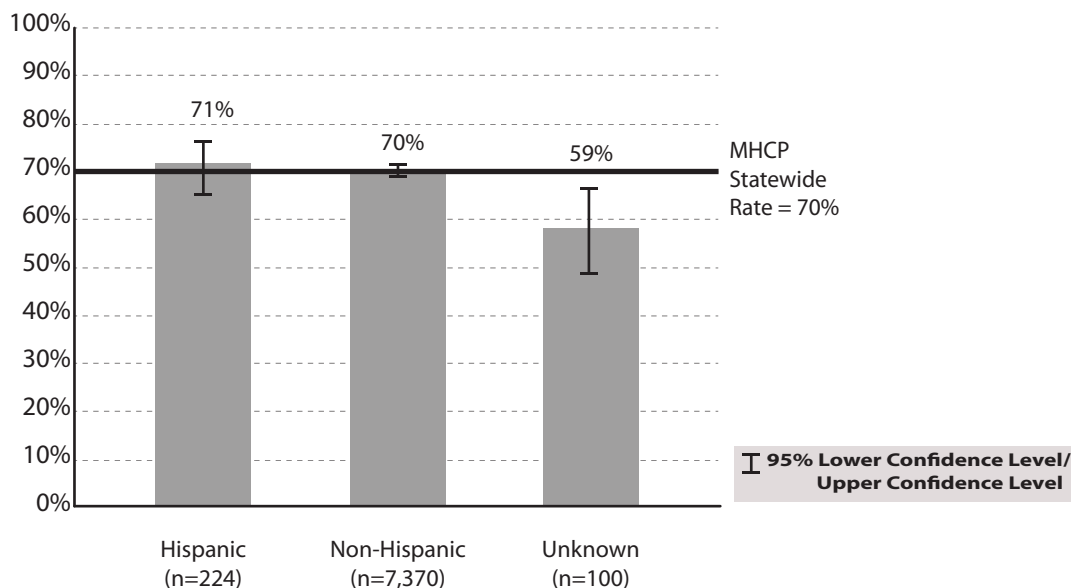


Figure 15.2 shows Controlling High Blood Pressure rates by ethnicity. Hispanics have a higher rate of controlling high blood pressure than Non-Hispanic patients, but this difference is not statistically significant. The Unknown category is significantly below the statewide rate (70 percent).

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 and American Indian/Alaskan Native groups have the highest rates of appropriate treatment for URI, and these rates are significantly above the statewide MHCP rate (89 percent). The White and Unknown racial groups have the lowest rates of appropriate treatment for URI, and these rates are significantly below the statewide MHCP rate.

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

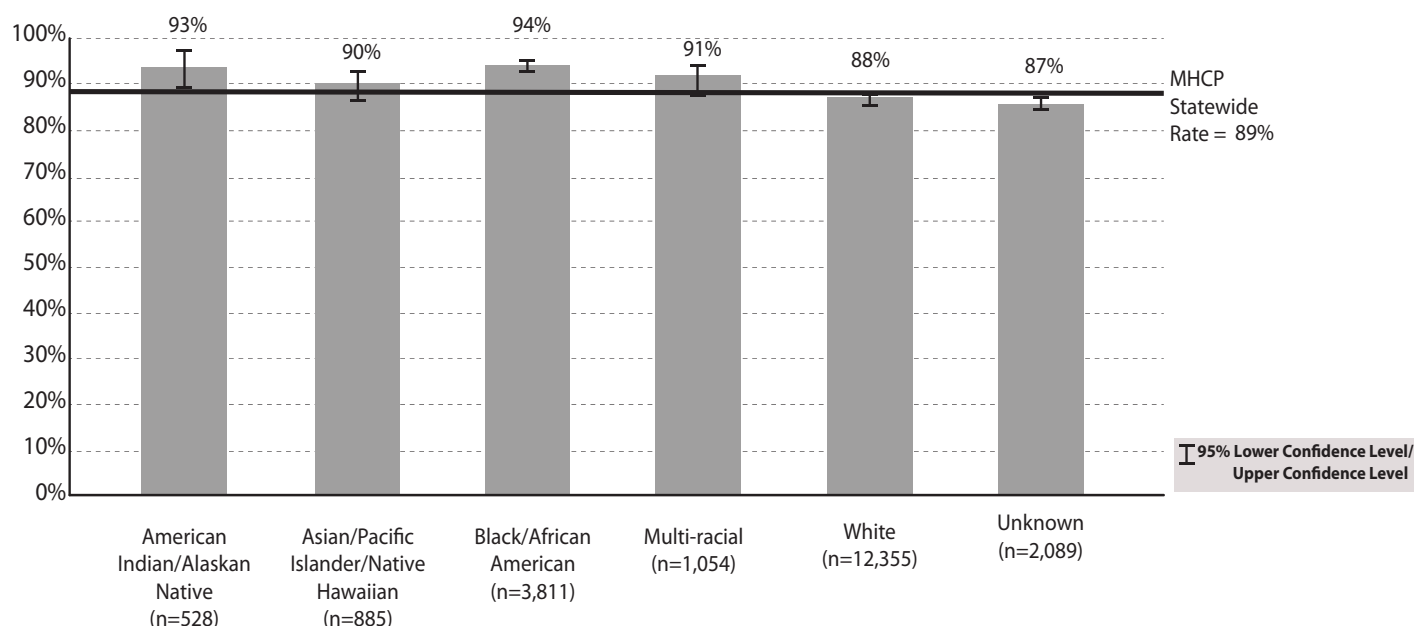
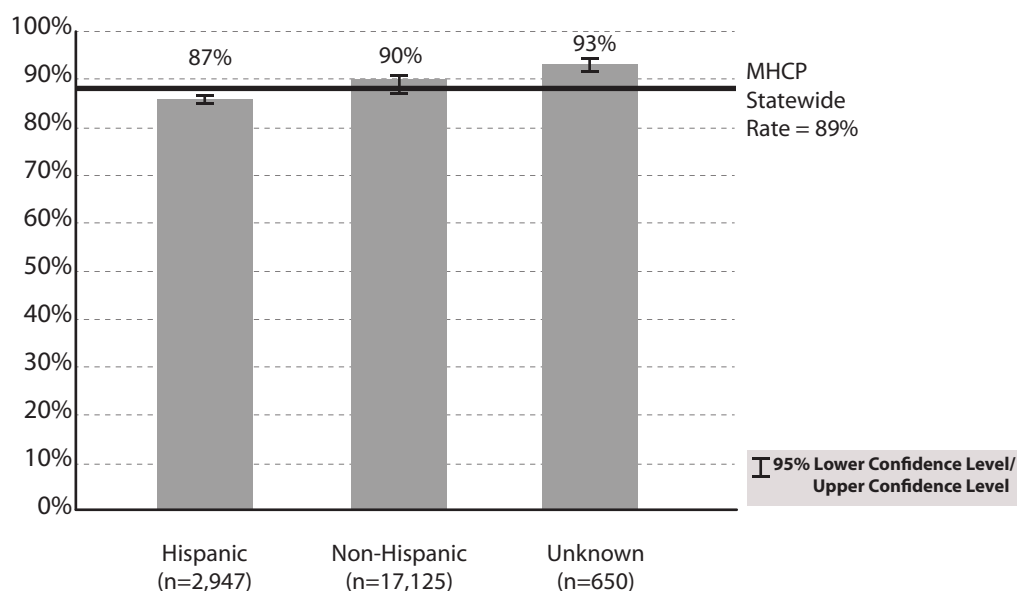


Figure 16.2 shows the rates of Appropriate Treatment for Children with Upper Respiratory Infections by ethnicity. The Unknown ethnic category has the highest rate of appropriate treatment for children with URI and this rate is significantly above that statewide rate (89 percent). The rate for this category 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. This racial group, along with the Multi-racial category, has a performance rate that is significantly above the statewide MHCP rate (85 percent). The Asian and White racial groups have performance rates significantly below the statewide MHCP rate, but the Asian group has the lowest rate of testing for Pharyngitis and it is significantly lower than all of the other racial groups.

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

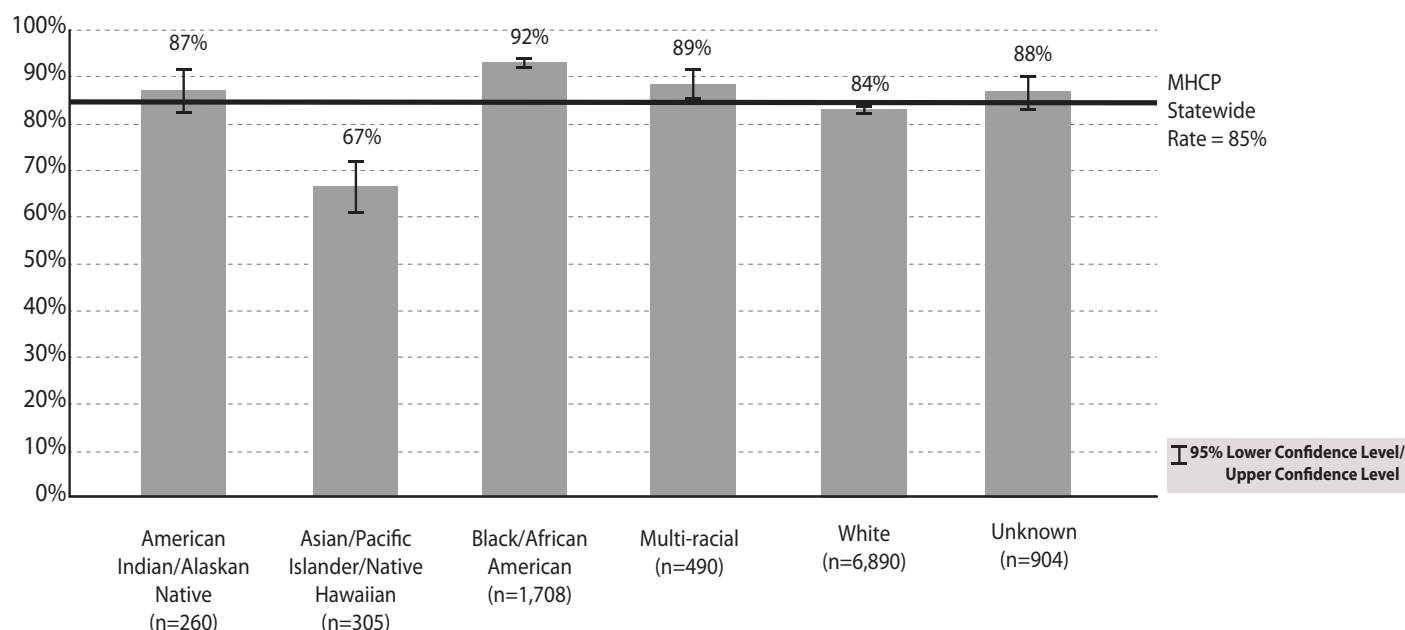
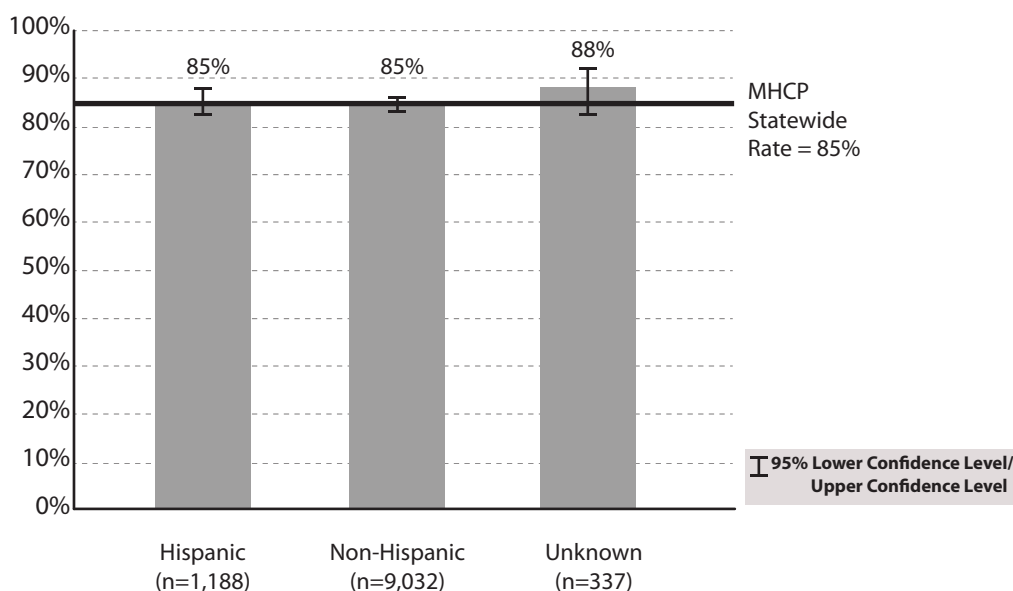


Figure 17.2 shows the rates of Appropriate Testing for Children with Pharyngitis by ethnicity. The Unknown ethnic group has the highest rate of testing for children with pharyngitis, but the groups do not differ significantly from each other or the statewide rate (85 percent).

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 Multi-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

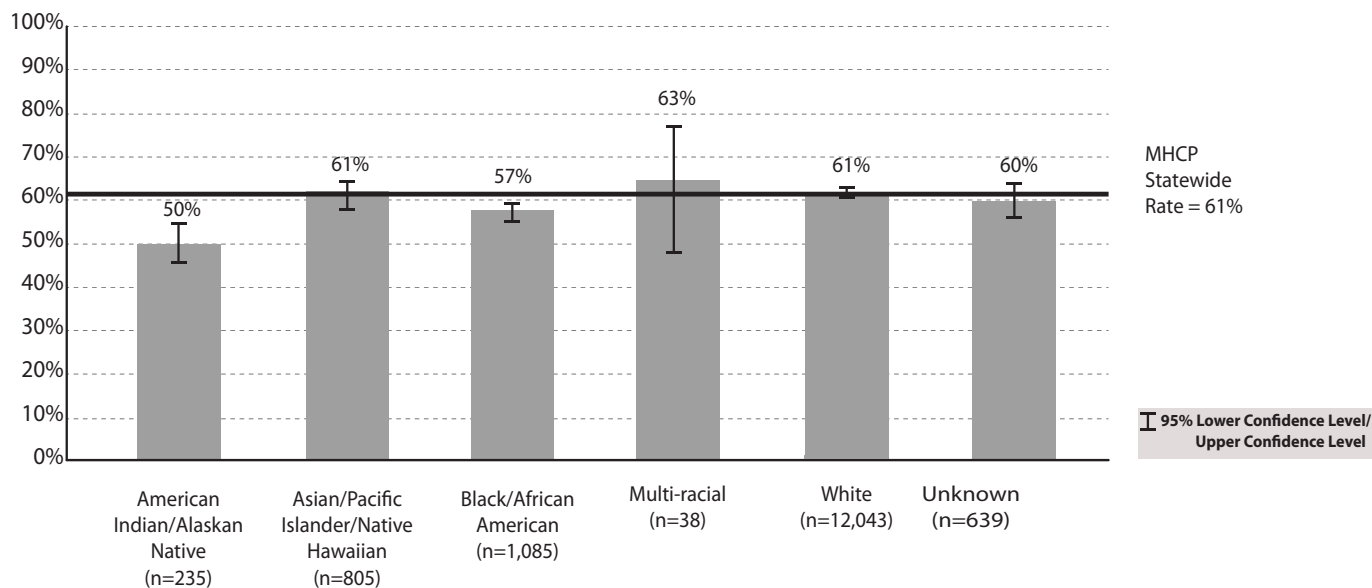
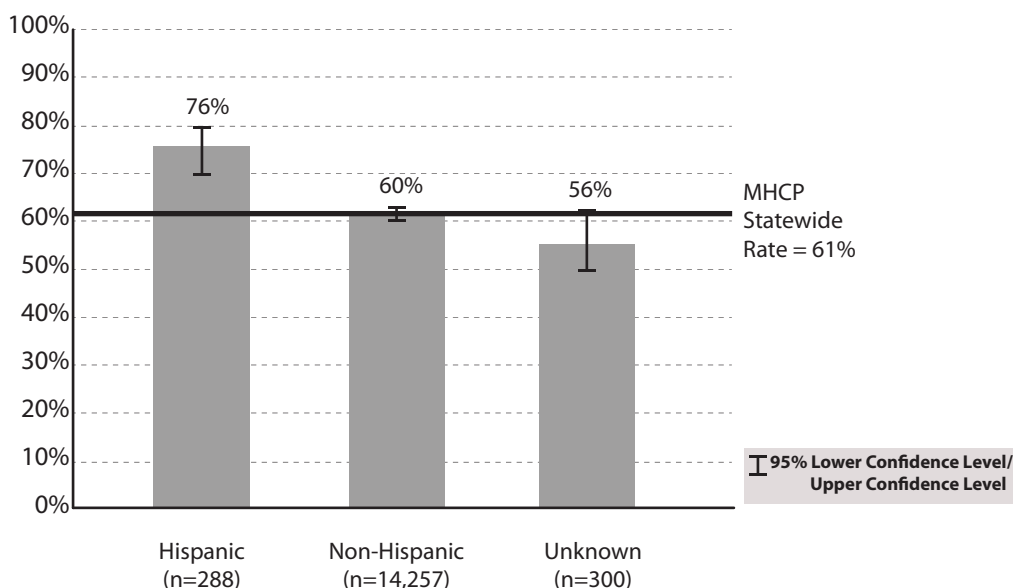


Figure 18.2 shows the rates of Breast Cancer Screening by ethnicity. Hispanics have the highest rate of Breast Cancer Screening, and this group's performance rate is significantly above the MHCP statewide rate (61 percent) and the rate of Non-Hispanics.

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 (71 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

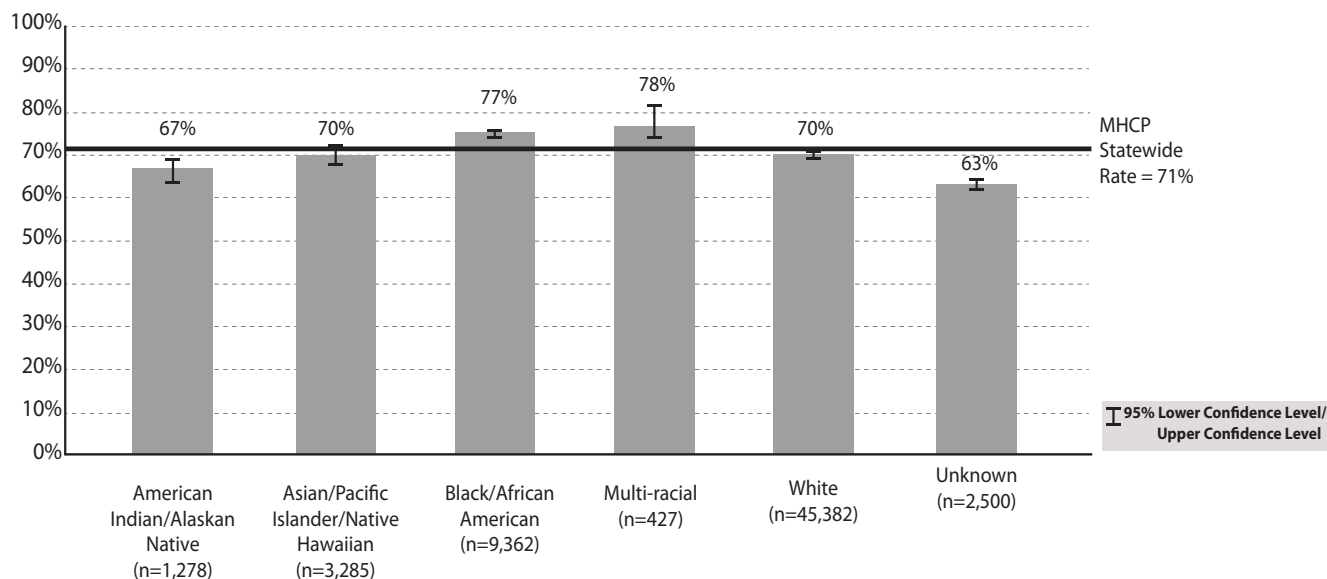
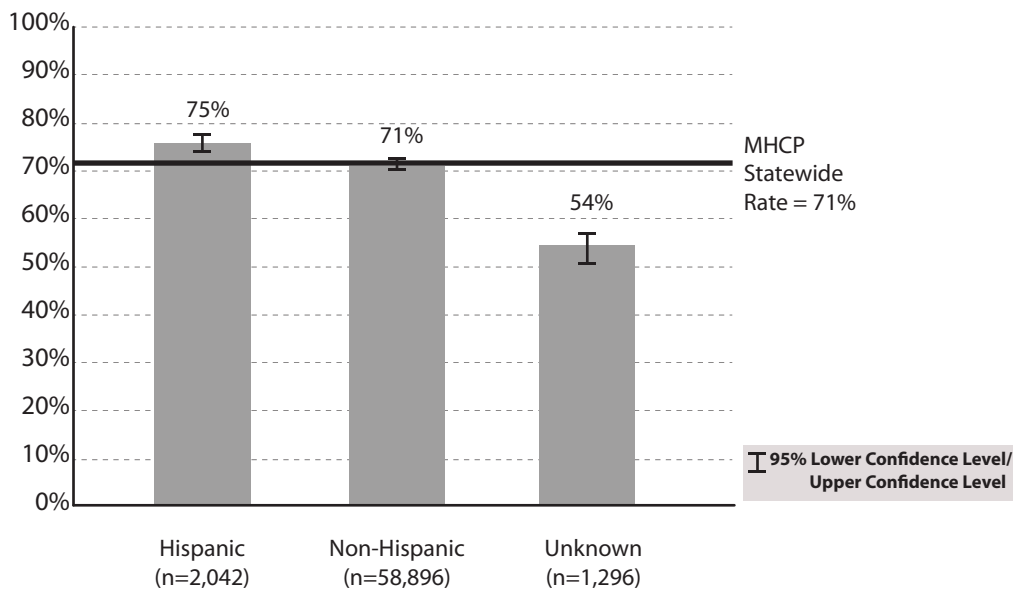


Figure 19.2 shows Cervical Cancer Screening rates by ethnicity. The Hispanic ethnic group has the highest rate of cervical cancer screening and it is significantly above the statewide MHCP rate (71 percent) and significantly different from the Non-Hispanic group. The Non-Hispanic group rate is significantly similar to the MHCP statewide rate.

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 other racial groups. This group, along with the Multi-racial and American Indian/Alaskan Native groups, has a performance rate that is significantly above the statewide MHCP rate (57 percent). The White and Unknown racial groups have the lowest Chlamydia Screening rates and both have rates that are significantly below the statewide MHCP rate.

Figure 20.1: Chlamydia Screening Statewide Rates by Race

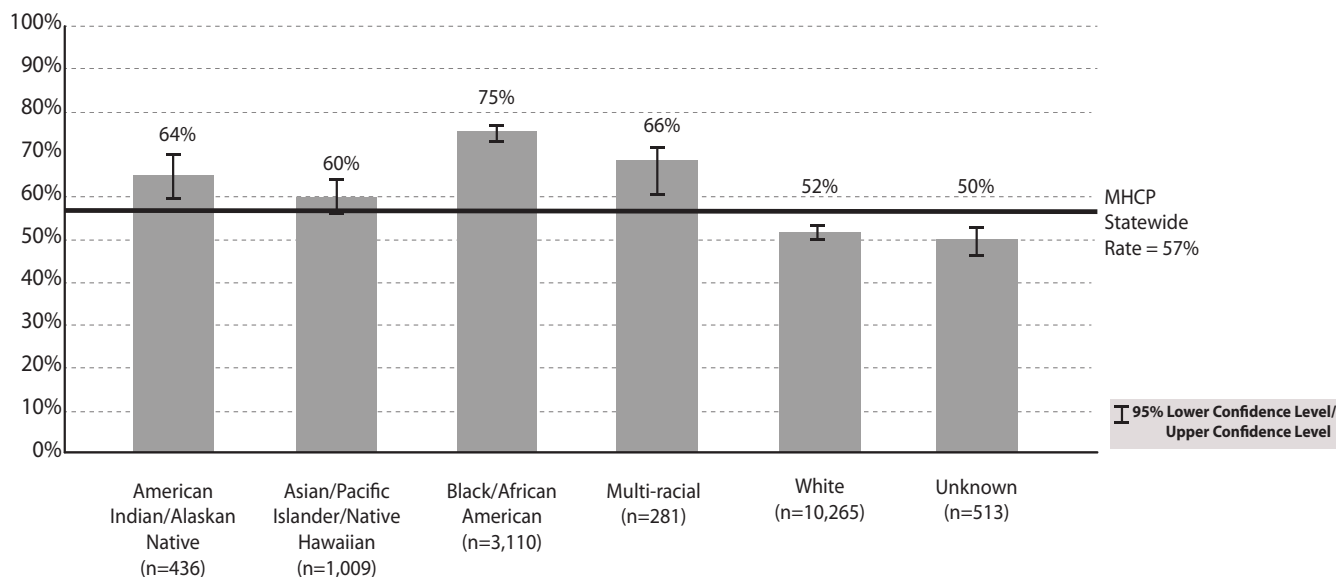
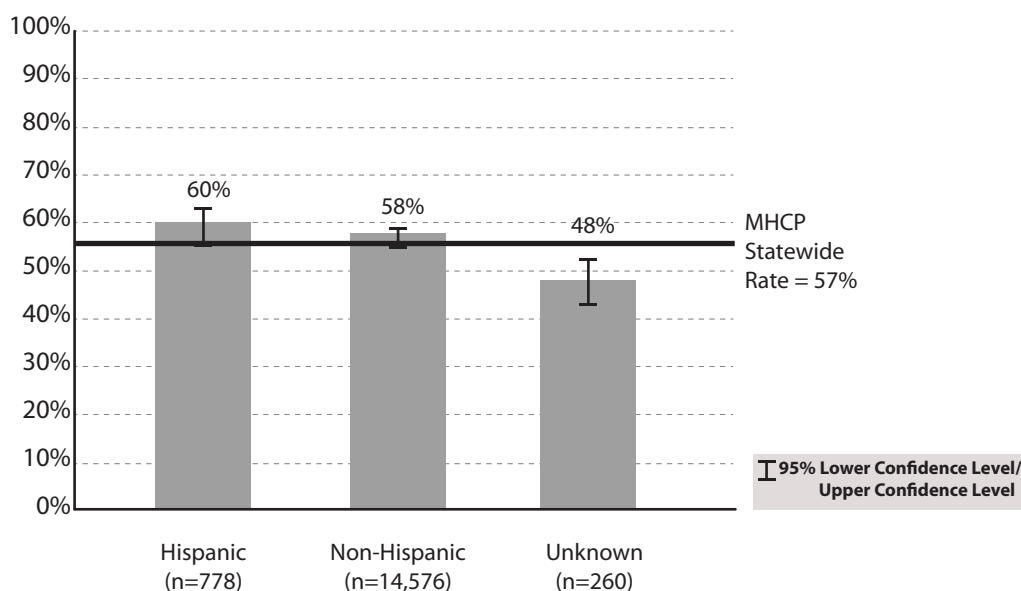


Figure 20.2 shows Chlamydia Screening rates by ethnicity. Hispanics have the highest rate of Chlamydia Screening, but it does not differ significantly from the Non-Hispanic group or the MHCP statewide rate (57 percent). The Unknown ethnic group has a significantly lower rate than the Hispanic, Non-Hispanic and statewide MHCP rates.

Figure 20.2: Chlamydia Screening Statewide Rates by Ethnicity



Childhood Immunization Status (Combo 3)

Figure 21.1 shows Childhood Immunization Status by race. Of the known racial groups, Whites have the highest rate of childhood immunizations. The White and Unknown racial groups are the only groups with a performance rate that is significantly above the statewide MHCP rate (71 percent). The American Indian/Alaskan Native group has the lowest Childhood Immunization Status rate. This group, along with the Asian/Pacific Islander/Native Hawaiian and the Black/African American groups, has a performance rate that is significantly below the statewide MHCP rate and their rates are significantly lower than the White and Unknown racial groups.

Figure 21.1: Childhood Immunization Status Statewide Rates by Race

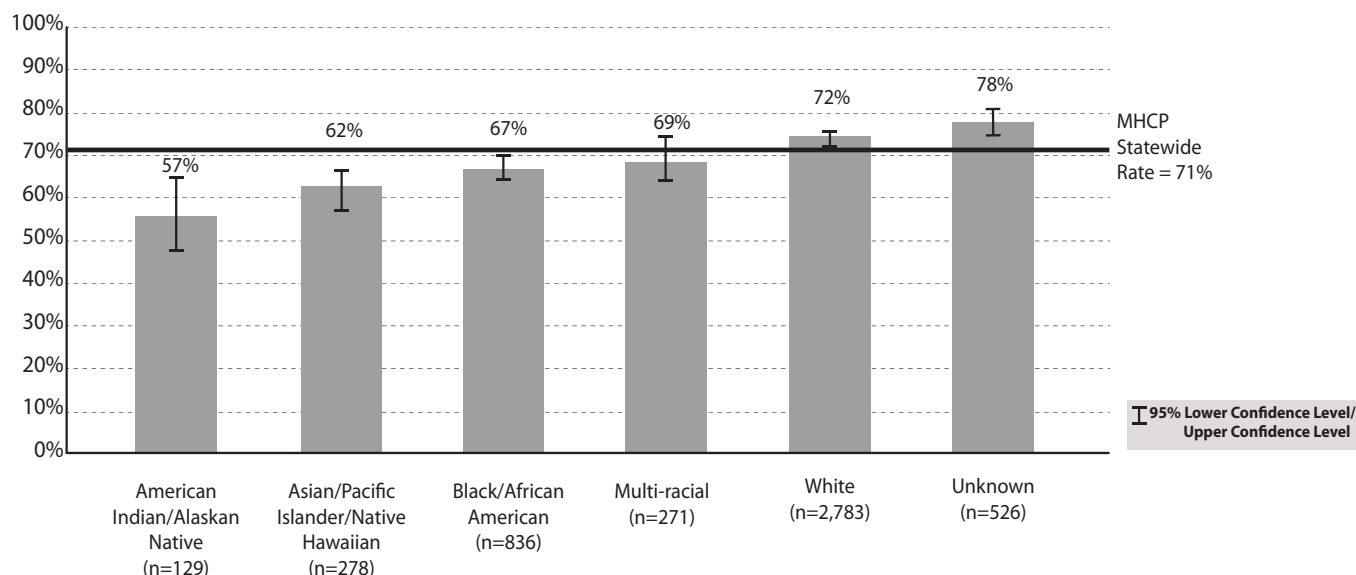
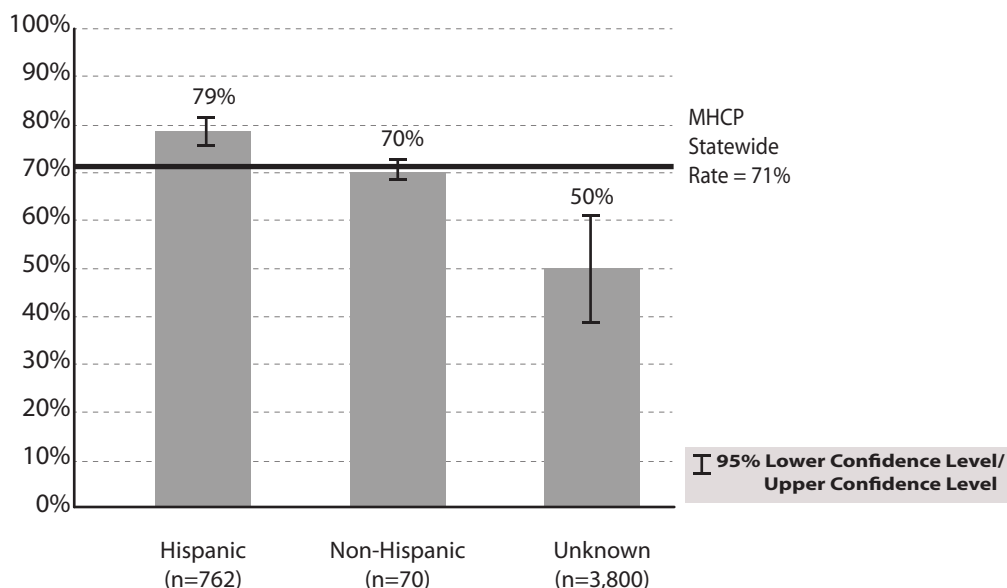


Figure 21.2 shows Childhood Immunization Status rates by ethnicity. Hispanic patients have a higher rate of childhood immunization status compared to Non-Hispanic patients. The Hispanic ethnic group has a performance rate that is significantly above the statewide MHCP rate (71 percent) and the rate for Non-Hispanics and Unknown group. The Non-Hispanic group does not differ significantly from the MHCP statewide rate.

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	↓		↓			
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 highest rate of performance for one measure (Controlling High Blood Pressure), and had the lowest rate for two measures (Breast Cancer Screening and Childhood Immunization).

There are no measures where the American Indian/Alaskan Native racial group's rate is significantly higher or lower than all other racial groups' rate. For two measures (Treatment for Children with URI and Chlamydia Screening), this racial group had a performance rate significantly higher than the MHCP statewide average. For three measures (Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization) this racial group had performance rates significantly lower than the statewide 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).

There was one measure where the Asian/Pacific Islander/Native Hawaiian racial group's rate is significantly lower than all other racial groups' rate (Testing for Children with Pharyngitis). For two measures the Asian/Pacific Islander/Native Hawaiian racial group has a performance rate significantly lower than the MHCP statewide rate (Testing for Children with Pharyngitis and Childhood Immunization).

Black/African American

There are four measures where the Black/African American racial group had the highest rates (Treatment for Children with URI, Testing for Children with Pharyngitis, Cervical Cancer Screening, and Chlamydia Screening). There was one measure where the Black/African American racial group had the lowest rate (Controlling High Blood Pressure).

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 has a performance rate significantly higher than the MHCP statewide average; for three measures (Controlling High Blood Pressure, Breast Cancer Screening, and Childhood Immunization) 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 two measures (Breast Cancer Screening and Cervical Cancer Screening). It did not have the lowest rate for any measure.

There are no measures where the Multi-racial group's rate is significantly higher or lower than all other racial groups' rate. There are three measures (Appropriate Testing for Children with Pharyngitis, 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 were no measures where the White racial group had the highest or lowest rate compared to other racial groups.

For one measure (Childhood Immunization), 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

For one measure (Childhood Immunization), the Unknown category had the highest rate. There were three measures where the Unknown category had the lowest rate (Appropriate Treatment for Children with URI, Cervical Cancer Screening, and Chlamydia Screening). For one measure, the rate for the Unknown category was significantly above the MHCP statewide average (Childhood Immunization). For three measures, the rate for the Unknown category was significantly below the MHCP statewide average (Appropriate Treatment for Children with URI, Cervical Cancer Screening, and Chlamydia 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.

Race information is self-reported by individuals when they enroll in MHCP. The Minnesota Department of Human Services transmits this data monthly to the health plans that serve this population of patients. 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.

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 five measures (Controlling High Blood Pressure, Breast Cancer Screening, Cervical Cancer Screening, Chlamydia Screening, and Childhood Immunization), the Hispanic ethnic group had the highest rate. There was one measure where the category had the lowest rate (Treatment for Children with URI), and it 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 or lowest rate. There were no measures where the rates for the Non-Hispanic category were significantly above or below the MHCP statewide average. For four of the measures, the rate differences between the Non-Hispanic group and the Unknown group were significant (Controlling High Blood Pressure, Cervical Cancer Screening, Chlamydia Screening, and Childhood Immunization).

Unknown

For two measures (Appropriate Treatment for Children with URI and Testing for Children with Pharyngitis), the Unknown category had the highest rate. There were five measures where the category had the lowest rate (Controlling High Blood Pressure, Breast Cancer Screening, Cervical Cancer Screening, Chlamydia Screening, and Childhood Immunization). For one measure the group's rate was significantly above the statewide MHCP rate (Appropriate Treatment for Children with URI). For four measures the group's rate was significantly below the statewide MHCP rate (Controlling High Blood Pressure, Cervical Cancer Screening, Chlamydia Screening, and Childhood Immunization). For several of the measures the rate for the Unknown group was significantly lower than the other groups.

Conclusion

The 2011 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, especially for the Staying Healthy measures. The results for Breast Cancer Screening, Cervical Cancer Screening and Childhood Immunization show significant declines from last year, while the results for Controlling High Blood Pressure, Appropriate Treatment for Children with URI, and Appropriate Testing for Children with Pharyngitis show significant improvement from last year. As noted in previous Health Care Disparities Reports, there continues to be a need for medical groups to ensure that their MHCP patients are receiving appropriate preventive care services. These services will not only keep these patients healthy, but will also identify disease at an earlier stage when it can be treated most effectively.

Also, we continue to find statewide gaps between MHCP and Other Purchasers. The good news is that the gaps between purchasers have narrowed over time for seven measures; four of these measures have significantly narrowed (Appropriate Testing for Children with Pharyngitis, Breast Cancer Screening, Cervical Cancer Screening, and Childhood Immunization Status). For two measures, the gap between purchasers is less than two percent (Appropriate Treatment for Children with URI and Childhood Immunization Status). The gap between purchasers narrowed this year for Controlling High Blood Pressure, which is a welcome change from years past. High blood pressure is an important chronic condition that needs extra medical group attention for their MHCP patients. Results show that medical groups have made strides to improve care for their MHCP patients with high blood pressure. Trends for two measures could not be analyzed due to measurement specification changes (Optimal Diabetes Care and 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 could not be compared to previous years for trends because this was the first year these measures were reported.

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. As was true in 2010, performance rates for the Black/African American racial group were the highest compared to other racial groups for most measures.

For four out of seven measures, Whites had a performance rate that was significantly below the statewide average. American Indians/Alaskan Natives had a rate significantly below the statewide average for three measures, and Asian/Pacific Islander/Native Hawaiians for two measures. The results indicate that Black/African Americans are receiving fairly good care, while there is a room for improvement on several measures for White, American Indian, and Asian patients.

For five measures (Controlling High Blood Pressure, Breast Cancer Screening, Cervical Cancer Screening, Chlamydia Screening, and Childhood Immunization Status), Hispanic MHCP patients have a higher rate of performance than Non-Hispanic MHCP patients. For three of these measures (Breast Cancer Screening, Cervical Cancer Screening and Childhood Immunization), the performance rate for Hispanic MHCP patients was significantly higher than Non-Hispanic MHCP patients and the MHCP statewide average.

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 medical group level or eventually at the clinic 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. Improvement will also require an understanding of the unique needs of patients and implementation of targeted interventions to meet those needs.

Future Plans

The 2011 Health Care Disparities Report marks the fifth 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. We also find this year that for almost all of the measures, the gap between MHCP patients and patients enrolled with Other Purchasers is narrowing. 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 rate differences for their patients enrolled in state funded public programs versus Other Purchasers and compares these differences against those of other medical groups and clinics. MNMCM's annual survey indicates that more and more medical groups/clinics are using these results in their quality improvement efforts.

This marks the second time that DHS and MNMCM have publicly reported statewide performance rates by race and ethnicity for the seven HEDIS measures included in this report. This report includes 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 ethnic disparities that may exist among their own MHCP patient populations.

We were able to report results 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 - using data submitted directly by clinics and collected through MNMCM's Direct Data Submission Process. Performance rates for MHCP patients and Other Purchaser patients were calculated at a clinic level for all three measures. We are exploring additional new analyses to include in future reports. In addition, we plan to gather stories of how medical groups and clinics are improving their rates and will share these best practices in the next report. Our goal is for medical groups to use this information when planning their own strategies to drive improvement.

The Minnesota Department of Human Services and Minnesota Community Measurement are dedicated to continue publicly reporting of 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

Data management, performance assessment and report production are provided by MN CM, a community-based, nonprofit organization dedicated to accelerating the improvement of health in Minnesota and surrounding communities through measurement and public reporting of health care performance.

The ten 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 2011 (122)

Affiliated Community Medical Centers	HealthPartners Central Minnesota Clinics	Parkview Medical Clinic
Alexandria Clinic	HealthPartners Clinics	Paynesville Area Health System
Allina Health System	Hennepin County Medical Center	Prairie Ridge Hospital & Health Services
Allina Medical Clinic	(HCMC) Clinics	Quello Clinic
Altru Health System	Hutchinson Medical Center	Raiter Clinic, LTD-Integrity
Apple Valley Medical Clinic	Indian Health Board of Minneapolis	Range Regional Health Services dba
Aspen Medical Group	Innovis Health LLC DBA Essentia Health	Fairview Mesaba Clinics
Avera Medical Group	West	Renville County Hospital and Clinics
Bloomington Lake Clinic	Integrity Health Network	Ridgeview Clinics
Brainerd Specialty Clinic	Johnson Street Medical Clinic	RiverView Health
Broadway Medical Center	Kittson Memorial Clinic	Riverwood Healthcare Center
Buffalo Clinic	Lac Qui Parle Clinic	Sanford Clinic
CCMH-Montevideo Clinic	Lake Region Medical Group PA	Sanford Health
Cedar Riverside People's Center	Lake View Clinic - Two Harbors	Sawtooth Mountain Clinic
CentraCare Health System	Lakeview Clinic	Scenic Rivers Health Services
Central Lakes Medical Clinic	Lakeview Medical Clinic	Sibley Medical Center
Clearwater Health Services	Lakewood Health Center Clinic	Southern Metro Medical Clinics
Community University Hlth Care Center	Lakewood Health System	Southside Community Health Services
Dawson Clinic	Life Medical	St. Cloud Medical Group
Dr. Bobby K. Yang Medical Clinic	Mankato Clinic, Ltd.	St. Croix Regional Medical Clinic
Dulcimer Medical Center	Mayo Clinic	St. Joseph's Medical Center Clinics
Duluth Family Practice Center- Integrity	Mayo Clinic Health System	St. Luke's Clinics
Edina Family Physicians	Mayo Clinic Health System-Albert Lea	St. Mary's Duluth Clinic Health System
Edina Sports Health & Wellness	Mayo Clinic Health System-Austin	dba Essentia Health - East Region
Essentia Health - St. Joseph's Medical	Mayo Clinic Health System-Cannon Falls	St. Paul Family Medical Center
Center Clinics	Mayo Clinic Health System-Fairmont	Stevens Community Medical Center
Essentia Health Ada	Mayo Clinic Health System-Faribault	Stillwater Medical Group
Essentia Health St. Mary's	Mayo Clinic Health System-Franciscan	SuperiorHealth Center
Face to Face Health & Counseling	Medical Center, Inc.	Thao Xoua MD
Fairview Health Services	Mayo Clinic Health System-Lake City	Tri-County Hospital
Fairview Medical Group	Mayo Clinic Health System-Mankato	United Family Medicine
Fairview Mesaba Clinic	Mayo Clinic Health System-Owatonna	United Hospital District Clinic
Fairview Red Wing Health Services	Mid Minnesota Family Medicine Center	Unity Family Healthcare - Avon
Family HealthServices Minnesota	Mille Lacs Health System	University of Minnesota Physicians
Family Practice Medical Center of Willmar	Multicare Associates	West Side Community Health Services
FamilyHealth Medical Clinics	Murray County Clinic	Williams Integracare Clinic
FirstLight Health System	Neighborhood Healthsource	Winona Health
Foley Medical Center	New Hope Crystal Medical Clinic	
France Avenue Family Physicians	North Clinic	
Gateway Family Health Clinic	North Memorial	
Glencoe Regional Health Services	NorthPoint Health & Wellness Center	
Glenwood Medical Center	Northwest Family Physicians	
Grand Itasca Clinic	Olmsted Medical Center	
Gundersen Lutheran	Open Cities Health Center	
HealthEast Clinics	Park Nicollet Health Services	

Additional Medical Group Provider Types Reported in 2011 (35)

Urgent Care/Convenience Care Clinics

7 Day Clinic
 Emergency Physicians, P.A.
 Express Healthcare
 Fairview Express Care
 First Care Medical Services
 MinuteClinic
 Now Care Medical Centers
 Suburban Emergency Associates
 Target Clinic
 Urgent Care Doctors Office
 WestHealth Urgent Care

OB/GYN

Advanced Specialty Care for Women
 John A. Haugen Associates, PA
 Northland Ob/Gyn Assoc.
 Oakdale Ob/Gyn
 Obstetrics and Gynecology Associates
 Obstetrics, Gynecology & Infertility
 Partners Ob/Gyn
 Paul Larson Ob/Gyn Clinic
 Planned Parenthood of Minnesota, North Dakota, South Dakota

Pediatric

Central Pediatrics
 Children's Hospitals and Clinics of Minnesota
 Fridley Children's & Teenagers' Medical Center - Children's Physician Network
 Metropolitan Pediatric Specialists
 Partners in Pediatrics
 Pediatric & Young Adult Medicine
 Pediatric and Adolescent Services
 Priority Pediatrics Urgent Care
 South Lake Pediatrics
 Southdale Pediatric Associates, Ltd

Allergy/Immunology

Advancements in Allergy & Asthma Care
 Allergy & Asthma Specialists, PA
 Allergy, Asthma & Pulmonary Associates, PA
 Minnesota Allergy and Asthma Consultants
 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) 2011 Technical Specifications (2010 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 was submitted in a consistent way. In 2011, ten 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, MinnesotaCare, General Assistance Medical Care). 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 ten 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.

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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 2011 Direct Data Submission Guides (2010 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 Direct Data Submission (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 are followed.

Medical groups/Clinics submitted the required data elements directly through the portal. This process is referred to as MNCM Direct Data Submission (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, page 101) :

- 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, page 101):

- 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, page 102):

- 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 2011 HEDIS Technical Specifications. Specifications for DDS measures were calculated by MNMCM's Data Portal using MNMCM's 2011 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 2011 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 2011 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.

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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.

MNMCM 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 2011 DDS Guide described accepted methods to select a systematic sample. This step is reviewed by MNMCM as part of the denominator certification process. In 2011, about 80 percent of clinics submitted their total population of patients for the Optimal Diabetes Care measure, about 90 percent of clinics for the Optimal Vascular Care measure, about 93 percent of clinics for the Optimal Asthma Care measures, and about 67 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.

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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 MNCM 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. 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. 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. 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 rate average 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 MNCM 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, MNCM developed a process to link the DDS performance data with health plan enrollment data and appropriately assign product type per patient.

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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 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.

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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 2011 with their rates during report year 2010, 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 (2009, 2010 and 2011). See “Medical Group Performance over Time (2009-2011)” in the Results by Measure section and Appendix 4 for detailed tables of medical groups.

Patterns in rate changes over the three reporting years (2009, 2010, and 2011) were reviewed. Only medical groups with rates for each of the three reporting periods per measure were 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:

- 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. Five 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). Of the five measures with five or more years of data, the following three measures exhibited statistically significant trends ($p < .05$).

- Appropriate Testing for Children with Pharyngitis (Figure 8.2)
- Breast Cancer Screening (Figure 9.2)
- Cervical Cancer Screening (Figure 10.2)
- Childhood Immunization Status (Figure 12.2)

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

Living with Illness Measures

Optimal Diabetes Care

- Table 17.1 Clinic Level
- Table 17.2 Clinic Level results rolled up to Medical Group

Optimal Vascular Care

- Table 18.1 Clinic Level
- Table 18.2 Clinic Level results rolled up to Medical Group

Depression Remission at Six Months

- Table 19.1 Clinic Level
- Table 20 Controlling High Blood Pressure Medical Group Level Results

Optimal Asthma Care

- Table 21.1 Children Ages 5-17 Clinic Level
- Table 21.2 Children Ages 18-50 Clinic Level results rolled up to Medical Group
- Table 21.3 Adults Ages 18-50 Clinic Level
- Table 21.4 Adults Ages 18-50 Clinic Level results rolled up to Medical Group

Getting Better Measures

- Table 22: Appropriate Treatment for Children with Upper Respiratory Infection 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

Colorectal Cancer Screening

- Table 26.1 Clinic Level
- Table 26.2 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		27.2%	26.5%	27.9%		
Family HealthServices Minnesota - Maryland Clinic	36	52.8%	37.0%	68.0%	Above	Total Population
Park Nicollet Clinic - Chanhassen	43	51.2%	36.8%	65.4%	Above	Total Population
Allina Medical Clinic - Nicollet Mall	43	48.8%	34.6%	63.3%	Above	Total Population
Essentia Health - Hibbing Clinic	46	47.8%	34.1%	61.9%	Above	Total Population
Park Nicollet Clinic - Burnsville	121	47.1%	38.4%	56.0%	Above	Total Population
Allina Medical Clinic - Northfield	75	46.7%	35.8%	57.8%	Above	Total Population
Aspen Medical Group - Bloomington	39	46.2%	31.6%	61.4%	Above	Total Population
Allina Medical Clinic - Eagan	50	46.0%	33.0%	59.6%	Above	Total Population
Allina Medical Clinic - Forest Lake	48	45.8%	32.6%	59.7%	Above	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (East)	35	45.7%	30.5%	61.8%	Above	Total Population
Allina Medical Clinic - Shakopee	48	43.8%	30.7%	57.7%	Above	Total Population
Allina Medical Clinic - Cottage Grove	99	43.4%	34.1%	53.3%	Above	Total Population
HealthPartners - West (St. Louis Park)	37	43.2%	28.7%	59.1%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Internal Medicine	95	43.2%	33.7%	53.2%	Above	Total Population
Park Nicollet Clinic - Eagan	58	43.1%	31.2%	55.9%	Above	Total Population
Park Nicollet Clinic - Shakopee	87	42.5%	32.7%	53.0%	Above	Total Population
Allina Medical Clinic - Buffalo	52	42.3%	29.9%	55.8%	Above	Total Population
Allina Medical Clinic - Coon Rapids	278	42.1%	36.4%	48.0%	Above	Total Population
Park Nicollet Clinic - Bloomington	46	41.3%	28.3%	55.7%	Above	Total Population
HealthPartners - Andover (Riverway Clinics)	32	40.6%	25.5%	57.7%	Average	Total Population
Allina Medical Clinic - Woodlake	47	40.4%	27.6%	54.7%	Above	Total Population
Allina Medical Clinic - Woodbury	52	40.4%	28.2%	53.9%	Above	Total Population
Allina Health System - New Ulm Medical Center	72	40.3%	29.7%	51.8%	Above	Total Population
Allina Medical Clinic - Ramsey	35	40.0%	25.6%	56.4%	Average	Total Population
Park Nicollet Clinic - Creekside	30	40.0%	24.6%	57.7%	Average	Total Population
Essentia Health - Hermantown Clinic	38	39.5%	25.6%	55.3%	Average	Total Population
Northwest Family Physicians - Crystal	38	39.5%	25.6%	55.3%	Average	Total Population
Fairview Oxboro Clinic	71	39.4%	28.9%	51.1%	Above	Total Population
Allina Medical Clinic - Champlin	33	39.4%	24.7%	56.3%	Average	Total Population
Affiliated Community Med. Centers - Marshall Clinic (Market St)	72	38.9%	28.5%	50.4%	Above	Total Population
Fairview Hiawatha Clinic	49	38.8%	26.4%	52.8%	Average	Total Population
Allina Medical Clinic - Faribault	88	38.6%	29.1%	49.1%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	86	38.4%	28.8%	48.9%	Above	Total Population
Fairview EdenCenter Clinic	47	38.3%	25.8%	52.6%	Average	Total Population
Fairview Brooklyn Park Clinic	105	38.1%	29.4%	47.7%	Above	Total Population
Allina Medical Clinic - United Medical Specialties	80	37.5%	27.7%	48.5%	Above	Total Population
Affiliated Community Medical Centers - Willmar Clinic	168	36.9%	30.0%	44.4%	Above	Total Population
Allina Medical Clinic - Shoreview	38	36.8%	23.4%	52.7%	Average	Total Population
HealthPartners - Apple Valley	49	36.7%	24.7%	50.7%	Average	Total Population
HealthEast - Roselawn	107	35.5%	27.1%	44.9%	Average	Total Population
Allina Medical Clinic - West St. Paul	93	35.5%	26.5%	45.6%	Average	Total Population
Park Nicollet Clinic - Plymouth	37	35.1%	21.8%	51.2%	Average	Total Population
HealthPartners - Brooklyn Center	106	34.9%	26.5%	44.4%	Average	Total Population
Park Nicollet Clinic - Maple Grove	55	34.6%	23.4%	47.8%	Average	Total Population
CentraCare River Campus-Internal Medicine	64	34.4%	23.9%	46.6%	Average	Total Population
Allina Medical Clinic - Farmington	32	34.4%	20.4%	51.7%	Average	Total Population
Park Nicollet Clinic - Brookdale	158	34.2%	27.2%	41.9%	Above	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		27.2%	26.5%	27.9%		
Allina Medical Clinic - Edina	71	33.8%	23.9%	45.4%	Average	Total Population
Fairview CedarRidge Clinic	69	33.3%	23.4%	45.1%	Average	Total Population
CentraCare Health System Long Prairie	39	33.3%	20.6%	49.0%	Average	Total Population
Essentia Health - Spooner Clinic	46	32.6%	20.9%	47.0%	Average	Total Population
Apple Valley Medical Clinic	40	32.5%	20.1%	48.0%	Average	Total Population
Fairview Eagan Clinic	37	32.4%	19.6%	48.5%	Average	Total Population
North Memorial Clinic - Camden Physicians, Maple Grove	37	32.4%	19.6%	48.5%	Average	Total Population
Fairview Ridges Clinic	68	32.4%	22.4%	44.2%	Average	Total Population
Hutchinson Medical Center	118	32.2%	24.5%	41.1%	Average	Total Population
HealthPartners - Coon Rapids	84	32.1%	23.1%	42.7%	Average	Total Population
Allina Medical Clinic - Hastings (W First St)	47	31.9%	20.4%	46.2%	Average	Total Population
Family Practice Medical Center of Willmar	47	31.9%	20.4%	46.2%	Average	Total Population
HealthPartners - Como	54	31.5%	20.7%	44.7%	Average	Total Population
HealthEast - Rice Street	80	31.3%	22.2%	42.1%	Average	Total Population
Fairview Red Wing Medical Center	64	31.3%	21.2%	43.4%	Average	Total Population
HealthPartners - Woodbury	64	31.3%	21.2%	43.4%	Average	Total Population
Stillwater Medical Group - Curve Crest Clinic	158	31.0%	24.3%	38.6%	Average	Total Population
Family HealthServices Minnesota - North St. Paul Clinic	39	30.8%	18.6%	46.4%	Average	Total Population
Essentia Health - Duluth Clinic 1st St	108	30.6%	22.7%	39.8%	Average	Total Population
Essentia Health - Ashland Clinic	59	30.5%	20.3%	43.2%	Average	Total Population
Fairview Princeton Clinic	76	30.3%	21.1%	41.3%	Average	Total Population
Aspen Medical Group - Maplewood	53	30.2%	19.5%	43.5%	Average	Total Population
Park Nicollet Clinic - Minneapolis	126	30.2%	22.8%	38.7%	Average	Total Population
Allina Medical Clinic - The Doctors Uptown	30	30.0%	16.7%	47.9%	Average	Total Population
HealthPartners - Riverside	131	29.8%	22.6%	38.1%	Average	Total Population
Fairview Milaca Clinic	44	29.6%	18.2%	44.2%	Average	Total Population
University of Minnesota Physicians - Smiley's Clinic	153	29.4%	22.8%	37.1%	Average	Total Population
Essentia Health - St. Mary's-Superior Clinic	82	29.3%	20.5%	39.9%	Average	Total Population
Fairview Fridley Clinic	86	29.1%	20.5%	39.4%	Average	Total Population
Aspen Medical Group - Bandana Square	80	28.8%	20.0%	39.5%	Average	Total Population
Affiliated Community Medical Centers - Benson Clinic	35	28.6%	16.3%	45.1%	Average	Total Population
St. Luke's Clinics - P.S. Rudie Medical Clinic	35	28.6%	16.3%	45.1%	Average	Total Population
HealthPartners - Anoka (Riverway Clinics)	67	28.4%	19.0%	40.1%	Average	Total Population
HealthPartners - Center for International Health	129	27.9%	20.9%	36.2%	Average	Total Population
Bloomington Lake Clinic - Minneapolis	86	27.9%	19.5%	38.2%	Average	Total Population
University of Minnesota Physicians - Bethesda Clinic	122	27.9%	20.7%	36.4%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	166	27.7%	21.5%	35.0%	Average	Total Population
Fairview Northeast Clinic	47	27.7%	16.9%	41.8%	Average	Total Population
Essentia Health - West Duluth Clinic	76	27.6%	18.8%	38.6%	Average	Total Population
Allina Medical Clinic - Mora	87	27.6%	19.3%	37.8%	Average	Total Population
HealthPartners - Health Specialty Center (401-Phalen Campus)	178	27.5%	21.5%	34.5%	Average	Total Population
HealthPartners - Bloomington	80	27.5%	18.9%	38.1%	Average	Total Population
Essentia Health - Virginia Clinic	66	27.3%	18.0%	39.0%	Average	Total Population
Rainy Lake Medical Center	44	27.3%	16.4%	41.9%	Average	Total Population
Affiliated Community Medical Centers - Redwood Falls Clinic	48	27.1%	16.6%	41.0%	Average	Total Population
University of Minnesota Physicians - Phalen Clinic	93	26.9%	18.9%	36.7%	Average	Total Population
Winona Health - Winona Clinic	34	26.5%	14.6%	43.1%	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		27.2%	26.5%	27.9%		
HealthPartners - Maplewood	80	26.3%	17.9%	36.8%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	141	26.2%	19.7%	34.1%	Average	Total Population
CentraCare - Heartland	35	25.7%	14.2%	42.1%	Average	Total Population
Fairview Bass Lake Clinic	43	25.6%	14.9%	40.2%	Average	Total Population
Essentia Health - Deer River Clinic	47	25.5%	15.3%	39.5%	Average	Total Population
Hennepin Faculty Associates - HFA Internal Medicine Clinic	59	25.4%	16.1%	37.8%	Average	Total Population
North Memorial Clinic - Camden Physicians, Mpls	40	25.0%	14.2%	40.2%	Average	Total Population
Fairview Elk River Clinic	33	24.2%	12.8%	41.0%	Average	Total Population
Sanford - Perham	33	24.2%	12.8%	41.0%	Average	Total Population
Community-University Health Care Center	62	24.2%	15.3%	36.2%	Average	Total Population
Sanford - Thief River Falls Northwest Clinic	68	23.5%	15.0%	34.9%	Average	Total Population
St. Luke's Clinics - Chequamegon Clinic	34	23.5%	12.4%	40.0%	Average	Total Population
University of Minnesota Physicians - Broadway Family Medicine	141	23.4%	17.2%	31.0%	Average	Total Population
Essentia Health - Hayward Clinic	65	23.1%	14.5%	34.6%	Average	Total Population
Δ St. Luke's Clinics - Endocrinology Associates	40	22.5%	12.3%	37.5%	Average	Total Population
Mid Minnesota Family Medicine Center	67	22.4%	14.1%	33.7%	Average	Total Population
Δ Park Nicollet Clinic - St. Louis Park Endocrinology	188	22.3%	17.0%	28.8%	Average	Total Population
Sanford - Detroit Lakes	74	21.6%	13.8%	32.3%	Average	Total Population
HealthPartners - St. Paul (Wabasha St.)	146	20.6%	14.8%	27.8%	Average	Total Population
St. Luke's Clinics - Internal Medicine Associates	49	20.4%	11.5%	33.6%	Average	Total Population
HealthPartners - Midway (St. Paul)	114	20.2%	13.8%	28.5%	Average	Total Population
University of Minnesota Physicians - Primary Care Center	40	20.0%	10.5%	34.8%	Average	Total Population
Fairview Andover Clinic	35	20.0%	10.0%	35.9%	Average	Total Population
Affiliated Community Medical Centers - Granite Falls Clinic	30	20.0%	9.5%	37.3%	Average	Total Population
Sanford - Broadway Internal Medicine	30	20.0%	9.5%	37.3%	Average	Total Population
Hennepin Faculty Associates - HCMC East Lake Clinic	73	19.2%	11.8%	29.7%	Average	Total Population
Multicare Associates - Fridley Medical Center	84	19.1%	12.1%	28.7%	Average	Total Population
Sanford - Bemidji North	38	18.4%	9.2%	33.4%	Average	Total Population
Δ CentraCare Health Plaza-Endocrinology	109	18.4%	12.2%	26.7%	Below	Total Population
Glenwood Medical Center	33	18.2%	8.6%	34.4%	Average	Total Population
Sanford - Southpointe Family Medicine	40	17.5%	8.8%	32.0%	Average	Total Population
Fairview Columbia Heights Clinic	89	16.9%	10.5%	26.0%	Below	Total Population
Fairview Lakes Medical Center	60	16.7%	9.3%	28.0%	Average	Total Population
Gateway Family Health Clinic - Moose Lake	60	16.7%	9.3%	28.0%	Average	Total Population
Δ University of Minnesota Physicians - Med. Specialties Clinic 6A	105	16.2%	10.4%	24.4%	Below	Total Population
Multicare Associates - Blaine Medical Center	50	16.0%	8.3%	28.5%	Average	Total Population
HealthPartners - Adult & Seniors Health	63	15.9%	8.9%	26.8%	Below	Total Population
HealthPartners Central Minnesota Clinics - St. Cloud	88	14.8%	8.8%	23.7%	Below	Total Population
Sanford - Bemidji Family Medicine	69	14.5%	8.1%	24.7%	Below	Total Population
Hennepin Faculty Associates - HCMC Whittier Clinic	145	14.5%	9.7%	21.1%	Below	Total Population
Hennepin Faculty Associates - HCMC Brooklyn Center Clinic	75	13.3%	7.4%	22.8%	Below	Total Population
NorthPoint Health & Wellness Center	331	13.0%	9.8%	17.0%	Below	Total Population
Hennepin Faculty Associates - HCMC Richfield Clinic	56	12.5%	6.2%	23.6%	Below	Total Population
Δ Hennepin Faculty Associates - Cntr. for Diabetes & Endocrinology	227	12.3%	8.7%	17.3%	Below	Total Population
Hennepin Faculty Associates - HCMC Medicine Clinic	437	11.9%	9.2%	15.3%	Below	Total Population
Stillwater Medical Group - Somerset Clinic	33	9.1%	3.1%	23.6%	Below	Total Population
Essentia Health - Duluth Clinic	37	8.1%	2.8%	21.3%	Below	Total Population
Sanford - Wahpeton	30	6.7%	1.9%	21.3%	Below	Total Population
Broadway Medical Center - Alexandria	80	5.0%	2.0%	12.2%	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		27.2%	26.5%	27.9%		
St. Joseph's Medical Center Clinics	31	46.6%	30.4%	63.5%	Above	Mixed
Quello Clinic	93	45.2%	35.4%	55.3%	Above	Total Population
Family HealthServices Minnesota	250	40.0%	34.1%	46.2%	Above	Total Population
Allina Medical Clinic	1,848	38.5%	36.3%	40.8%	Above	Total Population
Allina Health System	96	37.5%	28.5%	47.5%	Above	Total Population
Park Nicollet Health Services	1,259	37.4%	34.8%	40.1%	Above	Total Population
Northwest Family Physicians	54	37.0%	25.4%	50.4%	Average	Total Population
Mayo Clinic	30	36.4%	21.7%	54.2%	Average	Mixed
HealthEast Clinics	376	34.0%	29.4%	39.0%	Above	Total Population
Affiliated Community Medical Centers	443	33.9%	29.6%	38.4%	Above	Total Population
Apple Valley Medical Clinic	40	32.5%	20.1%	48.0%	Average	Total Population
Hutchinson Medical Center	118	32.2%	24.5%	41.1%	Average	Total Population
Family Practice Medical Center of Willmar	47	31.9%	20.4%	46.2%	Average	Total Population
Aspen Medical Group	260	31.2%	25.8%	37.0%	Average	Total Population
St. Mary's DC Health System dba Essentia Health - East Region	797	30.2%	27.2%	33.5%	Average	Total Population
Fairview Health Services	1,350	29.1%	26.8%	31.6%	Average	Total Population
Altru Health System	49	28.3%	17.7%	42.2%	Average	Mixed
HealthPartners Clinics	1,566	28.0%	25.8%	30.2%	Average	Total Population
Stillwater Medical Group	191	27.2%	21.4%	33.9%	Average	Total Population
CentraCare Health System	330	27.0%	22.5%	32.0%	Average	Total Population
Bloomington Lake Clinic	110	25.5%	18.2%	34.3%	Average	Total Population
Integrity Health Network	31	25.2%	13.3%	42.6%	Average	Mixed
University of Minnesota Physicians	665	25.1%	22.0%	28.6%	Average	Total Population
Olmsted Medical Center	233	24.9%	19.8%	30.8%	Average	Total Population
Mayo Health System	195	24.2%	18.7%	30.7%	Average	Mixed
North Memorial	215	24.2%	19.0%	30.3%	Average	Total Population
Community University Health Care Center	62	24.2%	15.3%	36.2%	Average	Total Population
St. Luke's Clinics	259	23.2%	18.4%	28.7%	Average	Total Population
Sibley Medical Center	31	22.6%	11.4%	39.8%	Average	Total Population
Mid Minnesota Family Medicine Center	67	22.4%	14.1%	33.7%	Average	Total Population
Sanford Clinic	100	22.1%	15.1%	31.2%	Average	Mixed
Scenic Rivers Health Services	32	21.9%	11.0%	38.8%	Average	Total Population
Innovis Health LLC DBA Essentia Health West	62	21.7%	13.3%	33.5%	Average	Mixed
Ridgeview Clinics	60	21.7%	13.1%	33.6%	Average	Total Population
Winona Health	53	20.8%	12.0%	33.5%	Average	Total Population
Sanford Health	696	20.6%	17.7%	23.7%	Below	Total Population
Multicare Associates	153	20.3%	14.7%	27.3%	Average	Total Population
Gateway Family Health Clinic	91	18.7%	12.0%	27.9%	Average	Total Population
Southside Community Health Services	30	16.0%	6.9%	32.8%	Average	Mixed
Glenwood Medical Center	38	15.8%	7.4%	30.4%	Average	Total Population
HealthPartners Central Minnesota Clinics	88	14.8%	8.8%	23.7%	Below	Total Population
Buffalo Clinic	41	14.3%	6.7%	28.1%	Average	Sample
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	1,114	13.6%	11.7%	15.7%	Below	Total Population
NorthPoint Health & Wellness Center	331	13.0%	9.8%	17.0%	Below	Total Population
Avera Medical Group	37	8.1%	2.8%	21.3%	Below	Total Population
Renville County Hospital and Clinics	37	8.1%	2.8%	21.3%	Below	Total Population
Broadway Medical Center	87	5.8%	2.5%	12.8%	Below	Total Population
Riverwood Healthcare Center	38	5.3%	1.5%	17.3%	Below	Total Population
Paynesville Area Health System	35	5.2%	1.4%	17.9%	Below	Mixed

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		28.2%	26.9%	29.6%		
Allina Medical Clinic - Coon Rapids	68	48.5%	37.1%	60.2%	Above	Total Population
Essentia Health - Duluth Clinic 1st St	33	45.5%	29.8%	62.0%	Above	Total Population
Allina Medical Clinic - Cambridge Medical Center	41	39.0%	25.7%	54.3%	Average	Total Population
HealthPartners - Adult & Seniors Health	57	33.3%	22.5%	46.3%	Average	Total Population
+Allina Health System - Metropolitan Heart & Vascular Institute	235	33.2%	27.5%	39.4%	Average	Total Population
HealthPartners - Regions Specialty Cntr (Jackson Street Campus)	103	30.1%	22.1%	39.5%	Average	Total Population
+Allina Health System - Minneapolis Heart Institute	187	28.9%	22.9%	35.8%	Average	Total Population
HealthPartners - Midway (St. Paul)	32	28.1%	15.6%	45.4%	Average	Total Population
+Hennepin Faculty Associates - HCMC Hennepin Heart Center	33	27.3%	15.1%	44.2%	Average	Total Population
+UMP MN Heart University Clinic	52	26.9%	16.8%	40.3%	Average	Total Population
Stillwater Medical Group - Curve Crest Clinic	34	26.5%	14.6%	43.1%	Average	Total Population
Hennepin Faculty Associates - HCMC Medicine Clinic	128	21.9%	15.6%	29.8%	Average	Total Population
Sanford - Thief River Falls Northwest Clinic	32	21.9%	11.0%	38.8%	Average	Total Population
Essentia Health - Duluth Clinic Main	55	14.6%	7.6%	26.2%	Below	Total Population
NorthPoint Health & Wellness Center	118	10.2%	5.9%	16.9%	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)
Clinic Average		28.2%	26.9%	29.6%		
Park Nicollet Health Services	204	46.1%	39.4%	52.9%	Above	Total Population
Affiliated Community Medical Centers	66	45.5%	34.0%	57.4%	Above	Total Population
Allina Medical Clinic	434	45.4%	40.8%	50.1%	Above	Total Population
Family HealthServices Minnesota	49	44.9%	31.9%	58.7%	Above	Total Population
Mayo Health System	80	42.9%	32.6%	53.8%	Above	Mixed
Aspen Medical Group	46	39.1%	26.4%	53.5%	Average	Total Population
HealthEast Clinics	53	35.9%	24.3%	49.3%	Average	Total Population
North Memorial	79	34.7%	25.1%	45.7%	Average	Mixed
Allina Health System	454	32.2%	28.0%	36.6%	Average	Total Population
Sanford Clinic	35	31.4%	18.6%	48.0%	Average	Total Population
St. Mary's DC Health System dba Essentia Health - East Region	251	30.7%	25.3%	36.6%	Average	Total Population
HealthPartners Clinics	418	30.4%	26.2%	35.0%	Average	Total Population
Fairview Health Services	262	29.4%	24.2%	35.2%	Average	Total Population
Olmsted Medical Center	38	29.0%	17.0%	44.8%	Average	Total Population
CentraCare Health System	71	28.2%	19.0%	39.5%	Average	Total Population
Stillwater Medical Group	37	27.0%	15.4%	43.0%	Average	Total Population
Multicare Associates	41	24.4%	13.8%	39.3%	Average	Total Population
Sanford Health	247	23.5%	18.6%	29.2%	Average	Total Population
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	240	22.1%	17.3%	27.8%	Below	Total Population
St. Luke's Clinics	83	19.3%	12.2%	29.0%	Average	Total Population
Gateway Family Health Clinic	39	18.0%	9.0%	32.7%	Average	Total Population
University of Minnesota Physicians	123	14.4%	9.3%	21.7%	Below	Mixed
NorthPoint Health & Wellness Center	118	10.2%	5.9%	16.9%	Below	Total Population

Table 19.1: 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		3.5%	3.1%	3.9%		
Mankato Clinic - Wickersham Campus	41	12.2%	5.3%	25.5%	Above	Total Population
Allina Medical Clinic - Edina	34	11.8%	4.7%	26.6%	Above	Total Population
● HealthPartners Behavioral Health - Inver Grove Heights	36	11.1%	4.4%	25.3%	Above	Total Population
Allina Medical Clinic - Forest Lake	73	11.0%	5.7%	20.2%	Above	Total Population
St. Joseph's - Brainerd Clinic	46	10.9%	4.7%	23.0%	Above	Total Population
Allina Medical Clinic - Hastings (W First St)	84	10.7%	5.7%	19.1%	Above	Total Population
Aspen Medical Group - Bandana Square	52	9.6%	4.2%	20.6%	Above	Total Population
Mayo Clinic - Northwest	32	9.4%	3.2%	24.2%	Average	Total Population
Family HealthServices Minnesota - Larpenteur Clinic	33	9.1%	3.1%	23.6%	Average	Total Population
Family HealthServices Minnesota - Vadnais Heights Office	34	8.8%	3.1%	23.0%	Average	Total Population
HealthPartners - White Bear Lake	34	8.8%	3.1%	23.0%	Average	Total Population
Allina Medical Clinic - Woodlake	63	7.9%	3.4%	17.3%	Average	Total Population
Allina Medical Clinic - Coon Rapids Women's Health	39	7.7%	2.7%	20.3%	Average	Total Population
Sanford - Professional Building	80	7.5%	3.5%	15.4%	Average	Total Population
Aspen Medical Group - Maplewood	61	6.6%	2.6%	15.7%	Average	Total Population
Allina Medical Clinic - Eagan	63	6.4%	2.5%	15.2%	Average	Total Population
HealthPartners - Como	49	6.1%	2.1%	16.5%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	132	6.1%	3.1%	11.5%	Average	Total Population
Fairview Milaca Clinic	33	6.1%	1.7%	19.6%	Average	Total Population
Essentia Health - Hayward Clinic	50	6.0%	2.1%	16.2%	Average	Total Population
Essentia Health - St. Mary's-Superior Clinic	101	5.9%	2.8%	12.4%	Average	Total Population
Allina Medical Clinic - Shoreview	35	5.7%	1.6%	18.6%	Average	Total Population
Allina Medical Clinic - West St. Paul	106	5.7%	2.6%	11.8%	Average	Total Population
Allina Medical Clinic - Woodbury	106	5.7%	2.6%	11.8%	Average	Total Population
HealthPartners - Woodbury	55	5.5%	1.9%	14.9%	Average	Total Population
● Minnesota Mental Health Clinics - Eagan Clinic	130	5.4%	2.6%	10.7%	Average	Total Population
Allina Health System - New Ulm Medical Center	56	5.4%	1.8%	14.6%	Average	Total Population
Allina Medical Clinic - Nicollet Mall	39	5.1%	1.4%	16.9%	Average	Total Population
Family HealthServices Minnesota - Afton Road	39	5.1%	1.4%	16.9%	Average	Total Population
Family HealthServices Minnesota - Gorman Clinic	40	5.0%	1.4%	16.5%	Average	Total Population
Allina Medical Clinic - Buffalo	122	4.9%	2.3%	10.3%	Average	Total Population
Allina Health System - Allina Mental Health Northtown Clinic	42	4.8%	1.3%	15.8%	Average	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	42	4.8%	1.3%	15.8%	Average	Total Population
Allina Medical Clinic - Northfield	148	4.7%	2.3%	9.4%	Average	Total Population
● HealthPartners Behavioral Health - West	44	4.6%	1.3%	15.1%	Average	Total Population
University of Minnesota Physicians - Phalen Clinic	45	4.4%	1.2%	14.8%	Average	Total Population
Allina Medical Clinic - Cottage Grove	117	4.3%	1.8%	9.6%	Average	Total Population
Allina Medical Clinic - The Doctors Uptown	49	4.1%	1.1%	13.7%	Average	Total Population
Mayo Clinic - Specialty Practice	49	4.1%	1.1%	13.7%	Average	Total Population
Mayo Health System- Immanuel St. Joseph's- Mankato Eastridge	52	3.9%	1.1%	13.0%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	243	3.7%	2.0%	6.9%	Average	Total Population
● Park Nicollet Clinic - St. Louis Park Psychiatry	263	3.4%	1.8%	6.4%	Average	Total Population
Family Practice Medical Center of Willmar	88	3.4%	1.2%	9.6%	Average	Total Population
Allina Medical Clinic - Faribault	120	3.3%	1.3%	8.3%	Average	Total Population
Fairview RidgeValley Clinic	30	3.3%	0.6%	16.7%	Average	Total Population
HealthPartners - Riverside	30	3.3%	0.6%	16.7%	Average	Total Population
Essentia Health - Duluth Clinic 1st St	94	3.2%	1.1%	9.0%	Average	Total Population
HealthPartners - Arden Hills	32	3.1%	0.6%	15.7%	Average	Total Population
Park Nicollet Clinic - Eagan	34	2.9%	0.5%	14.9%	Average	Total Population
HealthPartners Central Minnesota Clinics - St. Cloud	172	2.9%	1.3%	6.6%	Average	Total Population

Table 19.1: 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		3.5%	3.1%	3.9%		
Fairview Blaine Clinic	36	2.8%	0.5%	14.2%	Average	Total Population
● St. Luke's Outpatient Mental Health	36	2.8%	0.5%	14.2%	Average	Total Population
Allina Medical Clinic - Coon Rapids	223	2.7%	1.2%	5.7%	Average	Total Population
Allina Medical Clinic - Hastings (Nininger)	39	2.6%	0.5%	13.2%	Average	Total Population
Fairview CedarRidge Clinic	40	2.5%	0.4%	12.9%	Average	Total Population
● St. Cloud Hospital - Behavioral Health Clinic	40	2.5%	0.4%	12.9%	Average	Total Population
Apple Valley Medical Clinic	41	2.4%	0.4%	12.6%	Average	Total Population
Fairview Brooklyn Park Clinic	42	2.4%	0.4%	12.3%	Average	Total Population
Grand Itasca Clinic	42	2.4%	0.4%	12.3%	Average	Total Population
Northwest Family Physicians - Crystal	42	2.4%	0.4%	12.3%	Average	Total Population
Family HealthServices Minnesota - Maryland Clinic	43	2.3%	0.4%	12.1%	Average	Total Population
Allina Medical Clinic - Maple Grove	48	2.1%	0.4%	10.9%	Average	Total Population
Edina Family Physicians, P.A.	48	2.1%	0.4%	10.9%	Average	Total Population
● HealthPartners Regions Behavioral Health - Maplewood	49	2.0%	0.4%	10.7%	Average	Total Population
HealthPartners - Brooklyn Center	51	2.0%	0.4%	10.3%	Average	Total Population
HealthPartners - Coon Rapids	54	1.9%	0.3%	9.8%	Average	Total Population
Allina Medical Clinic - Shakopee	56	1.8%	0.3%	9.5%	Average	Total Population
Fairview Hiawatha Clinic	58	1.7%	0.3%	9.1%	Average	Total Population
Essentia Health - West Duluth Clinic	59	1.7%	0.3%	9.0%	Average	Total Population
● Mankato Clinic - Department of Psychiatry & Psychology	59	1.7%	0.3%	9.0%	Average	Total Population
● HealthPartners Regions Behavioral Health - Woodbury	69	1.5%	0.3%	7.8%	Average	Total Population
Allina Medical Clinic - Mora	72	1.4%	0.3%	7.5%	Average	Total Population
Allina Medical Clinic - Champlin	75	1.3%	0.2%	7.2%	Average	Total Population
University of Minnesota Physicians - Smiley's Clinic	76	1.3%	0.2%	7.1%	Average	Total Population
University of Minnesota Physicians - Bethesda Clinic	78	1.3%	0.2%	6.9%	Average	Total Population
HealthPartners - St. Paul (Wabasha St.)	85	1.2%	0.2%	6.4%	Average	Total Population
University of Minnesota Physicians - Broadway Family Medicine	89	1.1%	0.2%	6.1%	Average	Total Population
● Hennepin County Mental Health Center	118	0.9%	0.2%	4.6%	Average	Total Population
Allina Medical Clinic - Elk River	43	0.0%	0.0%	8.2%	Average	Total Population
Aspen Medical Group - Bloomington	33	0.0%	0.0%	10.4%	Average	Total Population
Associated Clinic of Psychology-Minneapolis	31	0.0%	0.0%	11.0%	Average	Total Population
Associated Clinic of Psychology-West St. Paul	33	0.0%	0.0%	10.4%	Average	Total Population
Essentia Health - Hermantown Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Essentia Health - Lakeside Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Essentia Health - Spooner Clinic	34	0.0%	0.0%	10.2%	Average	Total Population
Fairview Andover Clinic	64	0.0%	0.0%	5.7%	Average	Total Population
Fairview Columbia Heights Clinic	51	0.0%	0.0%	7.0%	Average	Total Population
Fairview Eagan Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Fairview Fridley Clinic	65	0.0%	0.0%	5.6%	Average	Total Population
Fairview Lakes Medical Center	48	0.0%	0.0%	7.4%	Average	Total Population
Fairview Northeast Clinic	36	0.0%	0.0%	9.6%	Average	Total Population
Fairview Princeton Clinic	31	0.0%	0.0%	11.0%	Average	Total Population
HealthPartners - Bloomington	38	0.0%	0.0%	9.2%	Average	Total Population
HealthPartners - Inver Grove Heights	32	0.0%	0.0%	10.7%	Average	Total Population
● Hennepin Faculty Associates - HFA Psychiatry Clinic	37	0.0%	0.0%	9.4%	Average	Total Population
Mayo Clinic - Generose Building	45	0.0%	0.0%	7.9%	Average	Total Population
Mayo Health System- Immanuel St. Joseph's-Mankato Northridge	31	0.0%	0.0%	11.0%	Average	Total Population
NorthPoint Health & Wellness Center	71	0.0%	0.0%	5.1%	Average	Total Population
Park Nicollet Clinic - Brookdale	40	0.0%	0.0%	8.8%	Average	Total Population
Park Nicollet Clinic - Carlson	31	0.0%	0.0%	11.0%	Average	Total Population

Table 20: 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		71.8%	70.8%	72.8%		
HealthEast Clinics	108	91.0%	84.1%	95.1%	Above	Sample
Family HealthServices Minnesota	68	89.8%	80.3%	95.0%	Above	Sample
Community University Health Care Center	69	88.9%	79.4%	94.4%	Above	Sample
Alexandria Clinic	69	88.5%	78.9%	94.1%	Above	Sample
Allina Medical Clinic	401	83.4%	79.5%	86.7%	Above	Sample
Quello Clinic	69	83.0%	72.4%	90.0%	Above	Sample
Sanford Clinic	69	82.4%	71.8%	89.6%	Average	Sample
Gundersen Lutheran	68	82.3%	71.6%	89.6%	Average	Sample
Mayo Clinic Health System-Mankato	81	82.2%	72.5%	89.0%	Above	Sample
Mayo Clinic Health System-Albert Lea	72	80.3%	69.7%	87.9%	Average	Sample
Mayo Clinic Health System-Fairmont	69	79.6%	68.7%	87.4%	Average	Sample
Open Cities Health Center	67	79.5%	68.3%	87.4%	Average	Sample
Innovis Health LLC DBA Essentia Health West	69	79.3%	68.3%	87.2%	Average	Sample
Mankato Clinic, Ltd.	69	79.1%	68.1%	87.0%	Average	Sample
Mayo Clinic Health System-Owatonna	104	78.7%	69.8%	85.4%	Average	Sample
Sanford Health	207	78.4%	72.3%	83.4%	Above	Sample
Park Nicollet Health Services	214	77.2%	71.2%	82.4%	Average	Sample
HealthPartners Clinics	480	76.8%	72.9%	80.4%	Above	Sample
Bloomington Lake Clinic	69	76.8%	65.6%	85.2%	Average	Sample
Affiliated Community Medical Centers	129	75.6%	67.6%	82.2%	Average	Sample
St. Joseph's Medical Center Clinics	88	73.4%	63.4%	81.5%	Average	Sample
Northwest Family Physicians	69	73.2%	61.7%	82.2%	Average	Sample
Fairview Medical Group	385	73.0%	68.3%	77.2%	Average	Sample
Hutchinson Medical Center	69	72.8%	61.3%	81.9%	Average	Sample
St. Luke's Clinics	68	72.3%	60.6%	81.5%	Average	Sample
Mayo Clinic	94	72.3%	62.5%	80.3%	Average	Sample
Fairview Mesaba Clinic	68	71.9%	60.3%	81.2%	Average	Sample
CentraCare Health System	87	71.4%	61.1%	79.8%	Average	Sample
Unity Family Healthcare - Avon	65	70.7%	58.8%	80.4%	Average	Sample
Olmsted Medical Center	81	70.6%	59.9%	79.4%	Average	Sample
Fairview Red Wing Health Services	100	70.3%	60.8%	78.4%	Average	Sample
University of Minnesota Physicians	182	70.1%	63.1%	76.3%	Average	Sample
Multicare Associates	68	69.7%	57.9%	79.3%	Average	Sample
St. Cloud Medical Group	69	68.9%	57.2%	78.6%	Average	Sample
SMDC Health System dba Essentia Health - East Region	164	67.4%	59.9%	74.1%	Average	Sample
Winona Health	68	67.3%	55.4%	77.2%	Average	Sample
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	494	65.3%	61.0%	69.4%	Below	Sample
Allina Health System	291	64.8%	59.2%	70.1%	Below	Sample
North Memorial	105	64.7%	55.1%	73.1%	Average	Sample
Broadway Medical Center	69	64.0%	52.2%	74.3%	Average	Sample
Aspen Medical Group	81	62.8%	52.0%	72.6%	Average	Sample
Mayo Clinic Health System-Austin	68	62.7%	50.8%	73.2%	Average	Sample
Central Lakes Medical Clinic	69	61.7%	49.9%	72.2%	Average	Sample
West Side Community Health Services	69	60.1%	48.3%	70.8%	Below	Sample
United Family Medicine	69	59.7%	47.9%	70.4%	Below	Sample
Avera Medical Group	69	57.1%	45.4%	68.1%	Below	Sample
Gateway Family Health Clinic	69	55.7%	44.0%	66.8%	Below	Sample
NorthPoint Health & Wellness Center	67	55.2%	43.3%	66.5%	Below	Sample
Buffalo Clinic	69	53.7%	42.1%	65.0%	Below	Sample
Altru Health System	68	53.3%	41.6%	64.7%	Below	Sample
Lakewood Health System	61	52.5%	40.2%	64.5%	Below	Sample
Cedar Riverside People's Center	69	52.4%	40.8%	63.8%	Below	Sample
Grand Itasca Clinic	114	51.9%	42.9%	60.9%	Below	Sample
North Clinic	69	50.2%	38.7%	61.7%	Below	Sample
Lake Region Medical Group PA	69	47.6%	36.2%	59.2%	Below	Sample
St. Paul Family Medical Center	65	46.0%	34.4%	58.0%	Below	Sample
Dr. Bobby K. Yang Medical Clinic	68	41.9%	30.9%	53.8%	Below	Sample
Tri-County Hospital	69	37.4%	27.0%	49.2%	Below	Sample

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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		17.9%	17.0%	18.7%		
■Advancements in Allergy and Asthma Care, Ltd.	33	84.9%	69.1%	93.4%	Above	Total Population
#Mayo Clinic - Baldwin Building, Pediatrics	87	64.4%	53.9%	73.6%	Above	Total Population
Fairview Elk River Clinic	42	57.1%	42.2%	70.9%	Above	Total Population
Fairview Fridley Clinic	47	53.2%	39.2%	66.7%	Above	Total Population
Fairview Lakes Medical Center	33	51.5%	35.2%	67.5%	Above	Total Population
■Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	41	51.2%	36.5%	65.8%	Above	Total Population
HealthEast - Woodbury	38	50.0%	34.9%	65.2%	Above	Total Population
■Allergy & Asthma Specialists, PA - Plymouth West Health	51	49.0%	35.9%	62.3%	Above	Total Population
#CentraCare Health Plaza-Women & Children Pediatrics	154	48.7%	40.9%	56.5%	Above	Total Population
Fairview Brooklyn Park Clinic	56	48.2%	35.7%	61.0%	Above	Total Population
HealthPartners - Inver Grove Heights	34	44.1%	28.9%	60.6%	Above	Total Population
Essentia Health - Duluth Clinic 1st St	66	43.9%	32.6%	55.9%	Above	Total Population
HealthEast - Maplewood	58	39.7%	28.1%	52.5%	Above	Total Population
HealthPartners - Maplewood	94	38.3%	29.1%	48.4%	Above	Total Population
Children's Speciality Clinic - St. Paul	90	36.7%	27.5%	47.0%	Above	Total Population
HealthPartners - Como	61	34.4%	23.8%	47.0%	Above	Total Population
Fairview Children's Clinic	82	34.2%	24.8%	44.9%	Above	Total Population
Children's Speciality Clinic - Minneapolis	44	34.1%	21.9%	48.9%	Above	Total Population
Fairview Red Wing Medical Center	53	34.0%	22.7%	47.4%	Above	Total Population
Fairview Columbia Heights Clinic	31	32.3%	18.6%	49.9%	Above	Total Population
HealthPartners - Bloomington	56	32.1%	21.4%	45.2%	Above	Total Population
HealthEast - Rice Street	42	31.0%	19.1%	46.0%	Above	Total Population
HealthPartners - Midway (St. Paul)	163	30.7%	24.1%	38.1%	Above	Total Population
HealthPartners - Anoka (Riverway Clinics)	54	29.6%	19.1%	42.8%	Above	Total Population
Community-University Health Care Center	37	27.0%	15.4%	43.0%	Average	Total Population
HealthPartners - Woodbury	64	26.6%	17.3%	38.5%	Average	Total Population
Affiliated Community Medical Centers - Willmar Clinic	77	26.0%	17.5%	36.7%	Average	Total Population
HealthPartners - Brooklyn Center	101	25.7%	18.2%	35.1%	Above	Total Population
HealthPartners Central Minnesota Clinics	38	23.7%	13.0%	39.2%	Average	Total Population
Fairview Oxboro Clinic	48	22.9%	13.3%	36.5%	Average	Total Population
HealthPartners - Coon Rapids	32	21.9%	11.0%	38.8%	Average	Total Population
HealthPartners - Riverside	108	20.4%	13.9%	28.9%	Average	Total Population
Park Nicollet Clinic - Plymouth	36	19.4%	9.8%	35.0%	Average	Total Population
Essentia Health - Virginia Clinic	31	19.4%	9.2%	36.3%	Average	Total Population
Fairview Ridges Clinic	61	18.0%	10.4%	29.5%	Average	Total Population
Affiliated Community Medical Centers - Marshall (Market Street)	40	17.5%	8.8%	32.0%	Average	Total Population
HealthPartners - St. Paul (Wabasha St.)	78	15.4%	9.0%	25.0%	Average	Total Population
Park Nicollet Clinic - Eagan	31	12.9%	5.1%	28.9%	Average	Total Population
Allina Medical Clinic - Buffalo	33	12.1%	4.8%	27.3%	Average	Total Population
Park Nicollet Clinic - Brookdale	75	12.0%	6.4%	21.3%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	49	10.2%	4.4%	21.8%	Average	Total Population
Children's General Pediatric Clinic - St. Paul	177	10.2%	6.5%	15.5%	Below	Total Population
Olmsted Medical Center - Rochester Southeast	59	10.2%	4.7%	20.5%	Average	Total Population
Mayo Clinic - Speciality Practice	35	8.6%	3.0%	22.4%	Average	Total Population
#Hennepin County Medical Center (HCMC) Clinic-Downtown Ped.	462	8.0%	5.9%	10.8%	Below	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		17.9%	17.0%	18.7%		
#Children's General Pediatric Clinic - Minneapolis	312	7.1%	4.7%	10.4%	Below	Total Population
Park Nicollet Clinic - St. Louis Park 3850 Bldg.	72	6.9%	3.0%	15.3%	Below	Total Population
Allina Medical Clinic - Cottage Grove	42	4.8%	1.3%	15.8%	Below	Total Population
Allina Medical Clinic - Coon Rapids	133	4.5%	2.1%	9.5%	Below	Total Population
University of Minnesota Physicians - Broadway Family Medicine	70	4.3%	1.5%	11.9%	Below	Total Population
Park Nicollet Clinic - Chanhassen	36	2.8%	0.5%	14.2%	Below	Total Population
Allina Medical Clinic - Woodbury	37	2.7%	0.5%	13.8%	Below	Total Population
Park Nicollet Clinic - Shakopee	42	2.4%	0.4%	12.3%	Below	Total Population
Park Nicollet Clinic - Burnsville	51	2.0%	0.4%	10.3%	Below	Total Population
#Sanford Children's Southwest Clinic	65	1.5%	0.3%	8.2%	Below	Total Population
■Allergy, Asthma & Pulmonary Associates, PA	36	0.0%	0.0%	9.6%	Below	Total Population
Allina Health System - New Ulm Medical Center	50	0.0%	0.0%	7.1%	Below	Total Population
Allina Medical Clinic - Cambridge Medical Center	117	0.0%	0.0%	3.2%	Below	Total Population
Allina Medical Clinic - Faribault	33	0.0%	0.0%	10.4%	Below	Total Population
Aspen Medical Group - Bandana Square	81	0.0%	0.0%	4.5%	Below	Total Population
Aspen Medical Group - Bloomington	40	0.0%	0.0%	8.8%	Below	Total Population
Grand Itasca Clinic	33	0.0%	0.0%	10.4%	Below	Total Population
Mayo Clinic Health System Albert Lea	30	0.0%	0.0%	11.4%	Below	Sample
Mayo Clinic Health System Austin	39	0.0%	0.0%	9.0%	Below	Sample
■Minnesota Allergy and Asthma Consultants - Burnsville	41	0.0%	0.0%	8.6%	Below	Total Population
NorthPoint Health & Wellness Center	32	0.0%	0.0%	10.7%	Below	Sample
Park Nicollet Clinic - Minneapolis	108	0.0%	0.0%	3.4%	Below	Total Population
Sanford Bemidji 1705 Anne St Clinic	30	0.0%	0.0%	11.4%	Below	Total Population
Sanford Broadway Clinic	53	0.0%	0.0%	6.8%	Below	Total Population
United Family Medicine	41	0.0%	0.0%	8.6%	Below	Sample

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)
Medical Group Average		17.9%	17.0%	18.7%		
■Advancements in Allergy and Asthma Care	33	84.9%	69.1%	93.4%	Above	Total Population
#South Lake Pediatrics	45	65.8%	51.2%	78.0%	Above	Mixed
■Allergy & Asthma Specialists, PA	102	49.0%	39.5%	58.6%	Above	Total Population
CentraCare Health System	182	46.2%	39.1%	53.4%	Above	Total Population
Mayo Clinic	169	42.0%	34.8%	49.6%	Above	Total Population
HealthEast Clinics	189	38.1%	31.5%	45.2%	Above	Total Population
Fairview Health Services	722	37.7%	34.2%	41.3%	Above	Total Population
HealthPartners Clinics	994	29.4%	26.6%	32.3%	Above	Total Population
St. Mary's Duluth Clinic Health System dba Essentia Health - East	218	28.0%	22.4%	34.3%	Above	Total Population
Community University Health Care Center	37	27.0%	15.4%	43.0%	Average	Total Population
HealthPartners Central Minnesota Clinics	38	23.7%	13.0%	39.2%	Average	Total Population
#Central Pediatrics	30	22.2%	11.0%	39.7%	Average	Sample
#Partners in Pediatrics	75	22.2%	14.2%	32.8%	Average	Mixed
Affiliated Community Medical Centers	165	20.0%	14.6%	26.8%	Average	Total Population
#Children's Hospitals and Clinics of Minnesota	639	14.4%	11.9%	17.3%	Below	Total Population
Multicare Associates	44	14.0%	6.6%	27.1%	Average	Mixed
Family HealthServices Minnesota	70	11.4%	5.9%	21.0%	Average	Total Population
Olmsted Medical Center	90	8.9%	4.6%	16.6%	Below	Total Population
Mayo Clinic Health System	164	7.7%	4.6%	12.9%	Below	Mixed
University of Minnesota Physicians	155	7.7%	4.5%	13.0%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics	595	7.7%	5.9%	10.2%	Below	Total Population
Park Nicollet Health Services	613	5.7%	4.1%	7.8%	Below	Total Population
Allina Medical Clinic	732	2.9%	1.9%	4.4%	Below	Total Population
Mankato Clinic, Ltd.	39	2.8%	0.5%	13.5%	Below	Mixed
Lakeview Clinic	35	2.2%	0.3%	13.5%	Below	Mixed
Integrity Health Network	60	1.2%	0.2%	8.2%	Below	Mixed
Aspen Medical Group	188	1.1%	0.3%	3.8%	Below	Total Population
Sanford Health	277	0.4%	0.1%	2.0%	Below	Total Population
■Allergy, Asthma & Pulmonary Associates, PA	36	0.0%	0.0%	9.6%	Below	Total Population
Allina Health System	50	0.0%	0.0%	7.1%	Below	Total Population
Altru Health System	48	0.0%	0.0%	7.4%	Below	Mixed
Avera Medical Group	36	0.0%	0.0%	9.6%	Below	Total Population
Essentia Health - St. Joseph's Medical Center Clinics	35	0.0%	0.0%	9.9%	Below	Mixed
Grand Itasca Clinic	39	0.0%	0.0%	9.0%	Below	Total Population
Innovis Health LLC DBA Essentia Health West	55	0.0%	0.0%	6.5%	Below	Total Population
■Minnesota Allergy and Asthma Consultants	41	0.0%	0.0%	8.6%	Below	Total Population
North Memorial	38	0.0%	0.0%	9.2%	Below	Total Population
NorthPoint Health & Wellness Center	32	0.0%	0.0%	10.7%	Below	Sample
#Pediatric & Young Adult Medicine	44	0.0%	0.0%	8.0%	Below	Total Population
Quello Clinic	37	0.0%	0.0%	9.4%	Below	Total Population
Riverwood Healthcare Center	37	0.0%	0.0%	9.4%	Below	Total Population
St. Luke's Clinics	40	0.0%	0.0%	8.8%	Below	Mixed
Stevens Community Medical Center	34	0.0%	0.0%	10.2%	Below	Total Population
United Family Medicine	41	0.0%	0.0%	8.6%	Below	Sample
Winona Health	31	0.0%	0.0%	11.0%	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)
Clinic Average		10.6%	9.9%	11.3%		
■Advancements in Allergy and Asthma Care, Ltd.	36	83.3%	68.1%	92.1%	Above	Total Population
Fairview Oxboro Clinic	33	51.5%	35.2%	67.5%	Above	Total Population
■Allergy & Asthma Specialists, PA - Plymouth West Health	45	51.1%	37.0%	65.0%	Above	Total Population
■Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	58	44.8%	32.8%	57.6%	Above	Total Population
Fairview North Branch Clinic	30	43.3%	27.4%	60.8%	Above	Total Population
Essentia Health - Duluth Clinic 1st St	41	41.5%	27.8%	56.6%	Above	Total Population
Fairview CedarRidge Clinic	35	40.0%	25.6%	56.4%	Above	Total Population
Fairview Chisago Lakes Clinic	34	38.2%	23.9%	55.0%	Above	Total Population
Fairview Lakes Medical Center	74	37.8%	27.7%	49.2%	Above	Total Population
Fairview Andover Clinic	35	34.3%	20.8%	50.9%	Above	Total Population
Fairview Hiawatha Clinic	30	33.3%	19.2%	51.2%	Above	Total Population
Fairview Northeast Clinic	58	29.3%	19.2%	42.0%	Above	Total Population
HealthEast - Rice Street	41	29.3%	17.6%	44.5%	Above	Total Population
Fairview Brooklyn Park Clinic	53	28.3%	18.0%	41.6%	Above	Total Population
Fairview Elk River Clinic	50	28.0%	17.5%	41.7%	Above	Total Population
HealthEast - Roselawn	34	26.5%	14.6%	43.1%	Above	Total Population
Fairview Eagan Clinic	32	25.0%	13.3%	42.1%	Above	Total Population
Allina Medical Clinic - Buffalo	37	24.3%	13.4%	40.1%	Above	Total Population
HealthPartners - Bloomington	55	23.6%	14.4%	36.4%	Above	Total Population
Fairview Fridley Clinic	66	22.7%	14.3%	34.2%	Above	Total Population
HealthPartners - Maplewood	74	21.6%	13.8%	32.3%	Above	Total Population
HealthPartners - Riverside	70	21.4%	13.4%	32.4%	Above	Total Population
Fairview Princeton Clinic	42	21.4%	11.7%	35.9%	Above	Total Population
■Minnesota Lung Center/Minnesota Sleep Institute - Minneapolis	34	20.6%	10.4%	36.8%	Average	Total Population
HealthPartners - Coon Rapids	74	20.3%	12.7%	30.8%	Above	Total Population
Fairview Columbia Heights Clinic	66	19.7%	11.9%	30.8%	Above	Total Population
HealthPartners - Brooklyn Center	55	18.2%	10.2%	30.3%	Average	Total Population
HealthPartners - Woodbury	38	15.8%	7.4%	30.4%	Average	Total Population
HealthPartners - Anoka (Riverway Clinics)	61	14.8%	8.0%	25.7%	Average	Total Population
Affiliated Community Medical Centers - Willmar Clinic	68	14.7%	8.2%	25.0%	Average	Total Population
Mid Minnesota Family Medicine Center	42	14.3%	6.7%	27.8%	Average	Total Population
Fairview Red Wing Medical Center	54	13.0%	6.4%	24.4%	Average	Total Population
CentraCare - Heartland	31	12.9%	5.1%	28.9%	Average	Total Population
HealthPartners - Midway (St. Paul)	47	12.8%	6.0%	25.2%	Average	Total Population
HealthPartners - Health Specialty Center (401-Phalen Campus)	51	11.8%	5.5%	23.4%	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)
Clinic Average		10.6%	9.9%	11.3%		
HealthPartners - St. Paul (Wabasha St.)	77	10.4%	5.4%	19.2%	Average	Total Population
HealthPartners - Como	43	9.3%	3.7%	21.6%	Average	Total Population
HealthPartners Central Minnesota Clinics	57	8.8%	3.8%	18.9%	Average	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	73	6.9%	3.0%	15.1%	Average	Total Population
#Hennepin County Medical Center (HCMC) Clinics -Downtown Ped.	30	6.7%	1.9%	21.3%	Average	Total Population
Mayo Clinic Health System Austin	30	6.7%	1.9%	21.3%	Average	Sample
HealthPartners - Inver Grove Heights	32	6.3%	1.7%	20.2%	Average	Total Population
■Park Nicollet Clinic - St. Louis Park Asthma and Allergy	53	5.7%	1.9%	15.4%	Average	Total Population
Park Nicollet Clinic - Shakopee	43	4.7%	1.3%	15.5%	Average	Total Population
Allina Medical Clinic - Cottage Grove	54	3.7%	1.0%	12.5%	Average	Total Population
Park Nicollet Clinic - Burnsville	56	3.6%	1.0%	12.1%	Average	Total Population
Allina Medical Clinic - Faribault	43	2.3%	0.4%	12.1%	Average	Total Population
Allina Medical Clinic - Forest Lake	43	2.3%	0.4%	12.1%	Average	Total Population
Park Nicollet Clinic - Maple Grove	47	2.1%	0.4%	11.1%	Average	Total Population
Allina Medical Clinic - Northfield	48	2.1%	0.4%	10.9%	Average	Total Population
Aspen Medical Group - Bandana Square	79	1.3%	0.2%	6.8%	Below	Total Population
Allina Medical Clinic - Coon Rapids	155	0.7%	0.1%	3.6%	Below	Total Population
Affiliated Community Medical Centers - Marshall Clinic (Market)	37	0.0%	0.0%	9.4%	Below	Total Population
Allina Health System - New Ulm Medical Center	34	0.0%	0.0%	10.2%	Below	Total Population
Allina Medical Clinic - Cambridge Medical Center	121	0.0%	0.0%	3.1%	Below	Total Population
Allina Medical Clinic - Hastings (W First St)	41	0.0%	0.0%	8.6%	Below	Total Population
Allina Medical Clinic - West St. Paul	47	0.0%	0.0%	7.6%	Below	Total Population
Allina Medical Clinic - Woodbury	70	0.0%	0.0%	5.2%	Below	Total Population
FirstLight Health System - Mora	48	0.0%	0.0%	7.4%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics-Downtown Med.	152	0.0%	0.0%	2.5%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	73	0.0%	0.0%	5.0%	Below	Total Population
Minnesota Allergy and Asthma Consultants - Burnsville	44	0.0%	0.0%	8.0%	Below	Total Population
Northwest Family Physicians - Crystal	40	0.0%	0.0%	8.8%	Below	Total Population
Olmsted Medical Center - Rochester Southeast	91	0.0%	0.0%	4.1%	Below	Total Population
Park Nicollet Clinic - Brookdale	74	0.0%	0.0%	4.9%	Below	Total Population
Park Nicollet Clinic - Minneapolis	37	0.0%	0.0%	9.4%	Below	Total Population
Sanford Bemidji Main Clinic	32	0.0%	0.0%	10.7%	Average	Total Population
Sanford Southpointe Clinic	37	0.0%	0.0%	9.4%	Below	Total Population
University of Minnesota Physicians - Broadway Family Medicine	123	0.0%	0.0%	3.0%	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)
Medical Group Average		10.6%	9.9%	11.3%		
■Advancements in Allergy and Asthma Care	36	83.3%	68.1%	92.1%	Above	Total Population
■Allergy & Asthma Specialists, PA	120	48.3%	39.6%	57.2%	Above	Total Population
Fairview Health Services	1,068	30.7%	28.0%	33.5%	Above	Total Population
HealthEast Clinics	176	27.8%	21.8%	34.9%	Above	Total Population
Family HealthServices Minnesota	144	20.8%	15.0%	28.2%	Above	Total Population
■Minnesota Lung Center/Minnesota Sleep Institute	34	20.6%	10.4%	36.8%	Average	Total Population
St. Mary's Duluth Clinic Health System dba Essentia Health - East	220	20.5%	15.7%	26.3%	Above	Total Population
Mayo Clinic	79	20.3%	12.9%	30.4%	Above	Total Population
CentraCare Health System	108	18.5%	12.3%	26.9%	Above	Total Population
HealthPartners Clinics	900	16.4%	14.2%	19.0%	Above	Total Population
Mid Minnesota Family Medicine Center	42	14.3%	6.7%	27.8%	Average	Total Population
HealthPartners Central Minnesota Clinics	57	8.8%	3.8%	18.9%	Average	Total Population
Sanford Clinic	37	8.1%	2.8%	21.3%	Average	Total Population
Mayo Clinic Health System	174	7.8%	4.7%	12.8%	Average	Mixed
Affiliated Community Medical Centers	192	7.8%	4.8%	12.5%	Average	Total Population
Mankato Clinic, Ltd.	31	6.3%	1.7%	20.5%	Average	Mixed
Park Nicollet Health Services	619	3.2%	2.1%	4.9%	Below	Total Population
Range Regional Health Services dba Fairview Mesaba Clinics	35	2.3%	0.4%	13.7%	Average	Mixed
Allina Medical Clinic	1,011	2.1%	1.4%	3.2%	Below	Total Population
Northwest Family Physicians	60	1.7%	0.3%	8.9%	Below	Total Population
Innovis Health LLC DBA Essentia Health West	81	1.2%	0.2%	6.7%	Below	Total Population
University of Minnesota Physicians	221	0.9%	0.3%	3.2%	Below	Total Population
Aspen Medical Group	163	0.6%	0.1%	3.4%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics	382	0.5%	0.1%	1.9%	Below	Total Population
Allina Health System	37	0.0%	0.0%	9.4%	Below	Total Population
Altru Health System	34	0.0%	0.0%	10.2%	Below	Mixed
Essentia Health - St. Joseph's Medical Center Clinics	39	0.0%	0.0%	9.0%	Below	Mixed
FirstLight Health System	60	0.0%	0.0%	6.0%	Below	Total Population
Grand Itasca Clinic	33	0.0%	0.0%	10.4%	Below	Total Population
Integrity Health Network	46	0.0%	0.0%	7.7%	Below	Mixed
■Minnesota Allergy and Asthma Consultants	44	0.0%	0.0%	8.0%	Below	Total Population
Multicare Associates	33	0.0%	0.0%	10.4%	Below	Mixed
North Memorial	95	0.0%	0.0%	3.9%	Below	Total Population
Olmsted Medical Center	128	0.0%	0.0%	2.9%	Below	Total Population
Quello Clinic	39	0.0%	0.0%	9.0%	Below	Total Population
Ridgeview Clinics	36	0.0%	0.0%	9.6%	Below	Total Population
Sanford Health	282	0.0%	0.0%	1.3%	Below	Total Population
St. Luke's Clinics	61	0.0%	0.0%	5.9%	Below	Mixed
Stevens Community Medical Center	50	0.0%	0.0%	7.1%	Below	Mixed

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		89.3%	88.8%	89.7%		
NorthPoint Health & Wellness Center	88	98.9%	93.8%	99.8%	Above	Total Population
# Southdale Pediatric Associates, Ltd	56	98.2%	90.6%	99.7%	Above	Total Population
Mayo Clinic Health System-Faribault	102	98.0%	93.1%	99.5%	Above	Total Population
University of Minnesota Physicians	487	97.7%	96.0%	98.7%	Above	Total Population
# Metropolitan Pediatric Specialists	88	97.7%	92.1%	99.4%	Above	Total Population
Lakeview Clinic	83	97.6%	91.6%	99.3%	Above	Total Population
Suburban Emergency Associates	40	97.5%	87.1%	99.6%	Average	Total Population
# South Lake Pediatrics	39	97.4%	86.8%	99.6%	Average	Total Population
United Family Medicine	76	97.4%	90.9%	99.3%	Above	Total Population
* Express Healthcare	74	97.3%	90.7%	99.3%	Above	Total Population
CentraCare Health System	293	97.3%	94.7%	98.6%	Above	Total Population
Aspen Medical Group	197	97.0%	93.5%	98.6%	Above	Total Population
Mayo Clinic Health System-Franciscan Medical Center, Inc.	31	96.8%	83.8%	99.4%	Average	Total Population
# Fridley Children's & Teenagers' Medical Center - CPN	118	96.6%	91.6%	98.7%	Above	Total Population
Allina Medical Clinic	958	96.5%	95.1%	97.5%	Above	Total Population
West Side Community Health Services	224	96.4%	93.1%	98.2%	Above	Total Population
HealthPartners Clinics	1,055	96.4%	95.1%	97.4%	Above	Total Population
Northwest Family Physicians	55	96.4%	87.7%	99.0%	Average	Total Population
HealthPartners Central Minnesota Clinics	106	96.2%	90.7%	98.5%	Above	Total Population
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	697	96.1%	94.4%	97.3%	Above	Total Population
# Children's Hospitals and Clinics of Minnesota	533	96.1%	94.1%	97.4%	Above	Total Population
* MinuteClinic	101	96.0%	90.3%	98.5%	Above	Total Population
# Pediatric & Young Adult Medicine	122	95.9%	90.8%	98.2%	Above	Total Population
# Priority Pediatrics Urgent Care	48	95.8%	86.0%	98.9%	Average	Total Population
Neighborhood Healthsource	92	95.7%	89.4%	98.3%	Above	Total Population
Allina Health System	182	95.6%	91.6%	97.8%	Above	Total Population
* WestHealth Urgent Care	45	95.6%	85.2%	98.8%	Average	Total Population
Community University Health Care Center	44	95.5%	84.9%	98.7%	Average	Total Population
Mid Minnesota Family Medicine Center	62	95.2%	86.7%	98.3%	Average	Total Population
* Target Clinic	79	94.9%	87.7%	98.0%	Average	Total Population
Affiliated Community Medical Centers	488	94.9%	92.6%	96.5%	Above	Total Population
North Memorial	310	94.8%	91.8%	96.8%	Above	Total Population
# Partners in Pediatrics	169	94.7%	90.2%	97.2%	Above	Total Population
# Pediatric and Adolescent Services	74	94.6%	86.9%	97.9%	Average	Total Population
Fairview Medical Group	1,122	94.6%	93.1%	95.7%	Above	Total Population
Winona Health	172	94.2%	89.6%	96.8%	Above	Total Population
Buffalo Clinic	196	93.9%	89.6%	96.5%	Above	Total Population
Gateway Family Health Clinic	80	93.8%	86.2%	97.3%	Average	Total Population
Mayo Clinic	368	92.9%	89.9%	95.1%	Above	Total Population
Lakeview Medical Clinic	69	92.8%	84.1%	96.9%	Average	Total Population
Grand Itasca Clinic	176	92.6%	87.8%	95.6%	Average	Total Population
Stillwater Medical Group	90	92.2%	84.8%	96.2%	Average	Total Population
Hutchinson Medical Center	111	91.9%	85.3%	95.7%	Average	Total Population
United Hospital District Clinic	49	91.8%	80.8%	96.8%	Average	Total Population
Sanford Health	891	91.6%	89.6%	93.2%	Above	Total Population
* Emergency Physicians, P.A.	258	91.5%	87.4%	94.3%	Average	Total Population
Mayo Clinic Health System-Austin	199	91.5%	86.8%	94.6%	Average	Total Population
Family Practice Medical Center of Willmar	70	91.4%	82.5%	96.0%	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		89.3%	88.8%	89.7%		
Family HealthServices Minnesota	138	91.3%	85.4%	95.0%	Average	Total Population
Riverwood Healthcare Center	88	90.9%	83.1%	95.3%	Average	Total Population
Open Cities Health Center	65	90.8%	81.3%	95.7%	Average	Total Population
HealthEast Clinics	173	90.8%	85.5%	94.2%	Average	Total Population
CCMH-Montevideo Clinic	52	90.4%	79.4%	95.8%	Average	Total Population
Mayo Clinic Health System-Lake City	41	90.2%	77.5%	96.1%	Average	Total Population
Park Nicollet Health Services	945	89.6%	87.5%	91.4%	Average	Total Population
North Clinic	38	89.5%	75.9%	95.8%	Average	Total Population
Mille Lacs Health System	82	89.0%	80.4%	94.1%	Average	Total Population
Thao Xoua MD	45	88.9%	76.5%	95.2%	Average	Total Population
Mayo Clinic Health System-Mankato	294	88.8%	84.7%	91.9%	Average	Total Population
Quello Clinic	89	88.8%	80.5%	93.8%	Average	Total Population
FamilyHealth Medical Clinics	35	88.6%	74.1%	95.5%	Average	Total Population
Multicare Associates	121	88.4%	81.5%	93.0%	Average	Total Population
SMDC Health System dba Essentia Health - East Region	544	88.4%	85.5%	90.8%	Average	Total Population
Mayo Clinic Health System-Owatonna	250	88.4%	83.8%	91.8%	Average	Total Population
Mayo Clinic Health System-Fairmont	86	88.4%	79.9%	93.6%	Average	Total Population
Lakewood Health System	184	88.0%	82.6%	92.0%	Average	Total Population
Fairview Red Wing Health Services	108	88.0%	80.5%	92.8%	Average	Total Population
St. Joseph's Medical Center Clinics	503	87.5%	84.3%	90.1%	Average	Total Population
Ridgeview Clinics	53	86.8%	75.2%	93.5%	Average	Total Population
Mankato Clinic, Ltd.	282	86.5%	82.1%	90.0%	Average	Total Population
St. Cloud Medical Group	148	86.5%	80.1%	91.1%	Average	Total Population
Unity Family Healthcare - Avon	73	86.3%	76.6%	92.4%	Average	Total Population
Mayo Clinic Health System-Albert Lea	164	86.0%	79.8%	90.5%	Average	Total Population
Tri-County Hospital	139	85.6%	78.8%	90.5%	Average	Total Population
Olmsted Medical Center	478	85.4%	81.9%	88.2%	Below	Total Population
Glencoe Regional Health Services	63	84.1%	73.2%	91.1%	Average	Total Population
# Central Pediatrics	30	83.3%	66.4%	92.7%	Average	Total Population
Renville County Hospital and Clinics	69	82.6%	72.0%	89.8%	Average	Total Population
St. Luke's Clinics	147	82.3%	75.4%	87.6%	Below	Total Population
Southern Metro Medical Clinics	55	81.8%	69.7%	89.8%	Average	Total Population
Apple Valley Medical Clinic	123	80.5%	72.6%	86.5%	Below	Total Population
Essentia Health St. Mary's	118	79.7%	71.5%	85.9%	Below	Total Population
Southside Community Health Services	51	78.4%	65.4%	87.5%	Below	Total Population
Fairview Mesaba Clinic	97	78.4%	69.2%	85.4%	Below	Total Population
Central Lakes Medical Clinic	91	78.0%	68.5%	85.3%	Below	Total Population
Sibley Medical Center	31	77.4%	60.2%	88.6%	Below	Total Population
RiverView Health	68	76.5%	65.1%	85.0%	Below	Total Population
Sanford Clinic	235	74.5%	68.5%	79.6%	Below	Total Population
Paynesville Area Health System	62	74.2%	62.1%	83.5%	Below	Total Population
Clearwater Health Services	42	73.8%	58.9%	84.7%	Below	Total Population
Alexandria Clinic	63	73.0%	61.0%	82.4%	Below	Total Population
Altru Health System	140	72.1%	64.2%	78.9%	Below	Total Population
Lake Region Medical Group PA	99	70.7%	61.1%	78.8%	Below	Total Population
Innovis Health LLC DBA Essentia Health West	153	68.6%	60.9%	75.5%	Below	Total Population
Broadway Medical Center	105	68.6%	59.2%	76.7%	Below	Total Population
Raiter Clinic, LTD-Integrity	49	67.4%	53.4%	78.8%	Below	Total Population
Glenwood Medical Center	46	65.2%	50.8%	77.3%	Below	Total Population
Avera Medical Group	561	42.1%	38.1%	46.2%	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		85.2%	84.5%	85.9%		
* Express Healthcare	79	100.0%	95.4%	100.0%	Above	Total Population
# Fridley Children's & Teenagers' Medical Center - CPN	72	100.0%	94.9%	100.0%	Above	Total Population
* Urgent Care Doctors Office	32	100.0%	89.3%	100.0%	Above	Total Population
* Suburban Emergency Associates	31	100.0%	89.0%	100.0%	Above	Total Population
* MinuteClinic	275	98.9%	96.8%	99.6%	Above	Total Population
# Pediatric and Adolescent Services	278	98.6%	96.4%	99.4%	Above	Total Population
St. Cloud Medical Group	132	98.5%	94.6%	99.6%	Above	Total Population
# South Lake Pediatrics	63	98.4%	91.5%	99.7%	Above	Total Population
# Priority Pediatrics Urgent Care	44	97.7%	88.2%	99.6%	Above	Total Population
CCMH-Montevideo Clinic	38	97.4%	86.5%	99.5%	Above	Total Population
* Target Clinic	146	97.3%	93.2%	98.9%	Above	Total Population
Renville County Hospital and Clinics	30	96.7%	83.3%	99.4%	Average	Total Population
# Pediatric & Young Adult Medicine	89	96.6%	90.6%	98.9%	Above	Total Population
HealthEast Clinics	111	96.4%	91.1%	98.6%	Above	Total Population
Multicare Associates	107	96.3%	90.8%	98.5%	Above	Total Population
West Side Community Health Services	46	95.7%	85.5%	98.8%	Above	Total Population
* Emergency Physicians, P.A.	133	95.5%	90.5%	97.9%	Above	Total Population
# Children's Hospitals and Clinics of Minnesota	480	95.0%	92.7%	96.6%	Above	Total Population
Park Nicollet Health Services	517	95.0%	92.7%	96.6%	Above	Total Population
University of Minnesota Physicians	79	94.9%	87.7%	98.0%	Above	Total Population
Northwest Family Physicians	39	94.9%	83.1%	98.6%	Average	Total Population
Aspen Medical Group	132	94.7%	89.5%	97.4%	Above	Total Population
Neighborhood Healthsource	34	94.1%	80.9%	98.4%	Average	Total Population
Fairview Medical Group	385	93.3%	90.3%	95.4%	Above	Total Population
Allina Medical Clinic	359	93.0%	89.9%	95.2%	Above	Total Population
HealthPartners Central Minnesota Clinics	43	93.0%	81.4%	97.6%	Average	Total Population
# Partners in Pediatrics	82	92.7%	84.9%	96.6%	Average	Total Population
* Fairview Express Care	41	92.7%	80.6%	97.5%	Average	Total Population
HealthPartners Clinics	354	92.4%	89.1%	94.7%	Above	Total Population
Lakeview Clinic	50	92.0%	81.2%	96.9%	Average	Total Population
CentraCare Health System	97	91.8%	84.6%	95.8%	Average	Total Population
Winona Health	69	91.3%	82.3%	96.0%	Average	Total Population
* WestHealth Urgent Care	34	91.2%	77.0%	97.0%	Average	Total Population
Quello Clinic	56	91.1%	80.7%	96.1%	Average	Total Population
Olmsted Medical Center	250	90.4%	86.1%	93.5%	Above	Total Population
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	208	89.9%	85.1%	93.3%	Average	Total Population
Allina Health System	78	89.7%	81.1%	94.7%	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		85.2%	84.5%	85.9%		
Buffalo Clinic	66	89.4%	79.7%	94.8%	Average	Total Population
Gateway Family Health Clinic	81	88.9%	80.2%	94.0%	Average	Total Population
Fairview Red Wing Health Services	61	88.5%	78.2%	94.3%	Average	Total Population
Mayo Clinic Health System-Albert Lea	94	88.3%	80.3%	93.3%	Average	Total Population
Sanford Health	671	87.8%	85.1%	90.0%	Average	Total Population
Glenwood Medical Center	32	87.5%	71.9%	95.0%	Average	Total Population
Grand Itasca Clinic	130	86.9%	80.1%	91.7%	Average	Total Population
Alexandria Clinic	76	86.8%	77.5%	92.7%	Average	Total Population
Family Health Services Minnesota	36	86.1%	71.3%	93.9%	Average	Total Population
Glencoe Regional Health Services	34	85.3%	69.9%	93.6%	Average	Total Population
Lakewood Health System	51	84.3%	72.0%	91.8%	Average	Total Population
St. Luke's Clinics	87	83.9%	74.8%	90.2%	Average	Total Population
Apple Valley Medical Clinic	53	83.0%	70.8%	90.8%	Average	Total Population
Mayo Clinic	115	80.9%	72.7%	87.0%	Average	Total Population
Central Lakes Medical Clinic	30	80.0%	62.7%	90.5%	Average	Total Population
Lake Region Medical Group PA	47	78.7%	65.1%	88.0%	Average	Total Population
Unity Family Healthcare - Avon	50	78.0%	64.8%	87.3%	Average	Total Population
Mankato Clinic, Ltd.	115	77.4%	68.9%	84.1%	Below	Total Population
North Memorial	77	75.3%	64.7%	83.6%	Below	Total Population
Mayo Clinic Health System-Owatonna	217	74.7%	68.5%	80.0%	Below	Total Population
SMDC Health System dba Essentia Health - East Region	180	73.9%	67.0%	79.8%	Below	Total Population
Mayo Clinic Health System-Austin	57	73.7%	61.0%	83.4%	Below	Total Population
Mayo Clinic Health System-Mankato	159	73.0%	65.6%	79.3%	Below	Total Population
Hutchinson Medical Center	65	72.3%	60.4%	81.7%	Below	Total Population
Mille Lacs Health System	35	71.4%	55.0%	83.7%	Below	Total Population
Innovis Health LLC DBA Essentia Health West	139	71.2%	63.2%	78.1%	Below	Total Population
Sanford Clinic	108	70.4%	61.2%	78.2%	Below	Total Population
Tri-County Hospital	86	69.8%	59.4%	78.5%	Below	Total Population
St. Joseph's Medical Center Clinics	221	67.4%	61.0%	73.3%	Below	Total Population
Affiliated Community Medical Centers	186	65.6%	58.5%	72.0%	Below	Total Population
Fairview Mesaba Clinic	62	62.9%	50.5%	73.8%	Below	Total Population
Essentia Health St. Mary's	61	60.7%	48.1%	71.9%	Below	Total Population
Mayo Clinic Health System-Fairmont	55	60.0%	46.8%	71.9%	Below	Total Population
Broadway Medical Center	31	48.4%	32.0%	65.2%	Below	Total Population
Altru Health System	58	44.8%	32.8%	57.6%	Below	Total Population
Avera Medical Group	121	38.8%	30.6%	47.7%	Below	Total Population
Riverwood Healthcare Center	44	34.1%	21.9%	48.9%	Below	Total Population
RiverView Health	38	31.6%	19.1%	47.5%	Below	Total Population
Thao Xoua MD	74	0.0%	0.0%	4.9%	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		64.1%	63.3%	64.9%		
Mayo Clinic	213	81.2%	75.4%	85.9%	Above	Total Population
Fairview Mesaba Clinic	65	78.5%	67.0%	86.7%	Above	Total Population
HealthPartners Clinics	702	77.8%	74.6%	80.7%	Above	Total Population
Riverwood Healthcare Center	77	76.6%	66.1%	84.7%	Above	Total Population
Quello Clinic	72	76.4%	65.4%	84.7%	Above	Total Population
Scenic Rivers Health Services	42	76.2%	61.5%	86.5%	Average	Total Population
Mayo Clinic Health System-Owatonna	92	76.1%	66.4%	83.6%	Above	Total Population
Northwest Family Physicians	50	76.0%	62.6%	85.7%	Average	Total Population
Alexandria Clinic	132	75.8%	67.8%	82.3%	Above	Total Population
Glencoe Regional Health Services	33	75.8%	59.0%	87.2%	Average	Total Population
Lakewood Health Center Clinic	35	74.3%	57.9%	85.8%	Average	Total Population
HealthPartners Central Minnesota Clinics	46	73.9%	59.7%	84.4%	Average	Total Population
Fairview Red Wing Health Services	72	73.6%	62.4%	82.4%	Average	Total Population
HealthEast Clinics	197	72.1%	65.4%	77.9%	Above	Total Population
Family Practice Medical Center of Willmar	50	72.0%	58.3%	82.5%	Average	Total Population
Mayo Clinic Health System-Mankato	169	71.0%	63.8%	77.3%	Average	Total Population
Clearwater Health Services	31	71.0%	53.4%	83.9%	Average	Total Population
Park Nicollet Health Services	530	70.4%	66.4%	74.1%	Above	Total Population
Buffalo Clinic	107	70.1%	60.9%	78.0%	Average	Total Population
Paynesville Area Health System	59	69.5%	56.9%	79.8%	Average	Total Population
CCMH-Montevideo Clinic	42	69.1%	54.0%	80.9%	Average	Total Population
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	254	68.9%	63.0%	74.3%	Average	Total Population
Prairie Ridge Hospital & Health Services	45	68.9%	54.3%	80.5%	Average	Total Population
Allina Medical Clinic	1,245	68.1%	65.5%	70.6%	Above	Total Population
Aspen Medical Group	276	67.8%	62.0%	73.0%	Average	Total Population
Mayo Clinic Health System-Austin	110	67.3%	58.1%	75.3%	Average	Total Population
CentraCare Health System	244	67.2%	61.1%	72.8%	Average	Total Population
Sanford Health	692	67.2%	63.6%	70.6%	Average	Total Population
Grand Itasca Clinic	109	67.0%	57.7%	75.1%	Average	Total Population
Multicare Associates	127	66.9%	58.4%	74.5%	Average	Total Population
Gundersen Lutheran	72	66.7%	55.2%	76.5%	Average	Total Population
NorthPoint Health & Wellness Center	47	66.0%	51.7%	77.8%	Average	Total Population
Lake Region Medical Group PA	99	65.7%	55.9%	74.3%	Average	Total Population
Allina Health System	175	65.1%	57.8%	71.8%	Average	Total Population
Family HealthServices Minnesota	213	64.8%	58.2%	70.9%	Average	Total Population
Mayo Clinic Health System-Fairmont	82	64.6%	53.8%	74.1%	Average	Total Population
Central Lakes Medical Clinic	81	64.2%	53.3%	73.8%	Average	Total Population
Bloomington Lake Clinic	61	63.9%	51.4%	74.8%	Average	Total Population
SMDC Health System dba Essentia Health - East Region	508	63.6%	59.3%	67.7%	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		64.1%	63.3%	64.9%		
Community University Health Care Center	41	63.4%	48.1%	76.4%	Average	Total Population
Altru Health System	131	63.4%	54.8%	71.1%	Average	Total Population
Sanford Clinic	108	63.0%	53.6%	71.5%	Average	Total Population
Fairview Medical Group	1,012	62.6%	59.5%	65.5%	Average	Total Population
North Clinic	104	62.5%	52.9%	71.2%	Average	Total Population
Affiliated Community Medical Centers	363	62.3%	57.2%	67.1%	Average	Total Population
Hutchinson Medical Center	90	62.2%	51.9%	71.5%	Average	Total Population
Olmsted Medical Center	200	61.5%	54.6%	68.0%	Average	Total Population
Unity Family Healthcare - Avon	51	60.8%	47.1%	73.0%	Average	Total Population
Raiter Clinic, LTD-Integrity	63	60.3%	48.0%	71.5%	Average	Total Population
Lakeview Clinic	68	60.3%	48.4%	71.1%	Average	Total Population
Tri-County Hospital	87	59.8%	49.3%	69.5%	Average	Total Population
Mid Minnesota Family Medicine Center	37	59.5%	43.5%	73.7%	Average	Total Population
Ridgeview Clinics	86	59.3%	48.7%	69.1%	Average	Total Population
Brainerd Specialty Clinic	58	58.6%	45.8%	70.4%	Average	Total Population
Neighborhood Healthsource	50	58.0%	44.2%	70.6%	Average	Total Population
Innovis Health LLC DBA Essentia Health West	233	57.9%	51.5%	64.1%	Below	Total Population
St. Luke's Clinics	161	57.8%	50.0%	65.1%	Average	Total Population
Lakewood Health System	97	57.7%	47.8%	67.1%	Average	Total Population
Avera Medical Group	139	57.6%	49.2%	65.5%	Average	Total Population
Winona Health	123	56.9%	48.1%	65.3%	Average	Total Population
Broadway Medical Center	95	56.8%	46.8%	66.3%	Average	Total Population
St. Joseph's Medical Center Clinics	199	56.8%	49.8%	63.5%	Below	Total Population
New Hope Crystal Medical Clinic	32	56.3%	39.3%	71.8%	Average	Total Population
Mankato Clinic, Ltd.	123	56.1%	47.3%	64.6%	Average	Total Population
North Memorial	168	56.0%	48.4%	63.2%	Below	Total Population
Stillwater Medical Group	63	55.6%	43.3%	67.2%	Average	Total Population
West Side Community Health Services	65	55.4%	43.3%	66.8%	Average	Total Population
St. Cloud Medical Group	168	55.4%	47.8%	62.7%	Below	Total Population
Mayo Clinic Health System-Albert Lea	113	54.9%	45.7%	63.7%	Below	Total Population
Glenwood Medical Center	30	53.3%	36.1%	69.8%	Average	Total Population
RiverView Health	30	53.3%	36.1%	69.8%	Average	Total Population
Essentia Health St. Mary's	72	52.8%	41.4%	63.9%	Below	Total Population
Mille Lacs Health System	60	50.0%	37.7%	62.3%	Below	Total Population
University of Minnesota Physicians	228	49.6%	43.1%	56.0%	Below	Total Population
Gateway Family Health Clinic	81	49.4%	38.8%	60.1%	Below	Total Population
United Family Medicine	70	45.7%	34.6%	57.3%	Below	Total Population
Open Cities Health Center	82	42.7%	32.5%	53.5%	Below	Total Population
Apple Valley Medical Clinic	33	39.4%	24.7%	56.3%	Below	Total Population
Cedar Riverside People's Center	39	15.4%	7.3%	29.7%	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)	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		74.6%	74.2%	75.0%		
^ Paul Larson Ob/Gyn Clinic	31	100.0%	89.0%	100.0%	Above	Total Population
^ Advanced Specialty Care for Women	51	98.0%	89.7%	99.7%	Above	Total Population
^ Obstetrics, Gynecology & Infertility	35	97.1%	85.5%	99.5%	Above	Total Population
^ Obstetrics and Gynecology Associates	76	94.7%	87.2%	97.9%	Above	Total Population
^ John A. Haugen Associates, PA	36	91.7%	78.2%	97.1%	Above	Total Population
Edina Family Physicians	67	89.6%	80.0%	94.9%	Above	Total Population
^ Oakdale Ob/Gyn	66	89.4%	79.7%	94.8%	Above	Total Population
^ Planned Parenthood of Minnesota, North Dakota, South Dakota	130	88.5%	81.8%	92.9%	Above	Total Population
Brainerd Specialty Clinic	194	86.1%	80.5%	90.3%	Above	Total Population
Dawson Clinic	42	85.7%	72.2%	93.3%	Average	Total Population
^ Partners Ob/Gyn	34	85.3%	69.9%	93.6%	Average	Total Population
HealthPartners Central Minnesota Clinics	393	84.0%	80.0%	87.3%	Above	Total Population
HealthPartners Clinics	4,649	83.0%	81.9%	84.1%	Above	Total Population
Dulcimer Medical Center	50	82.0%	69.2%	90.2%	Average	Total Population
Edina Sports Health & Wellness	32	81.3%	64.7%	91.1%	Average	Total Population
Essentia Health St. Mary's	273	79.9%	74.7%	84.2%	Above	Total Population
CentraCare Health System	1,007	79.8%	77.3%	82.2%	Above	Total Population
^ Northland Ob/Gyn Assoc.	39	79.5%	64.5%	89.2%	Average	Total Population
Quello Clinic	292	79.5%	74.5%	83.7%	Above	Total Population
Community University Health Care Center	208	79.3%	73.3%	84.3%	Average	Total Population
Buffalo Clinic	488	79.3%	75.5%	82.7%	Above	Total Population
Family Practice Medical Center of Willmar	187	78.6%	72.2%	83.9%	Average	Total Population
Aspen Medical Group	1,064	78.5%	75.9%	80.8%	Above	Total Population
Park Nicollet Health Services	2,852	78.5%	76.9%	79.9%	Above	Total Population
Lakewood Health System	425	77.9%	73.7%	81.6%	Above	Total Population
Mayo Clinic Health System-Faribault	158	77.9%	70.8%	83.6%	Average	Total Population
Neighborhood Healthsource	228	77.6%	71.8%	82.6%	Average	Total Population
Duluth Family Practice Center- Integrity	132	77.3%	69.4%	83.6%	Average	Total Population
Mankato Clinic, Ltd.	708	77.3%	74.0%	80.2%	Above	Total Population
Fairview Medical Group	3,957	77.2%	75.8%	78.4%	Above	Total Population
CCMH-Montevideo Clinic	105	77.1%	68.2%	84.1%	Average	Total Population
University of Minnesota Physicians	1,446	77.0%	74.7%	79.1%	Above	Total Population
NorthPoint Health & Wellness Center	369	77.0%	72.4%	81.0%	Average	Total Population
Glencoe Regional Health Services	181	76.8%	70.1%	82.4%	Average	Total Population
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	1,125	76.7%	74.2%	79.1%	Above	Total Population
St. Paul Family Medical Center	60	76.7%	64.6%	85.6%	Average	Total Population
HealthEast Clinics	1,059	76.3%	73.6%	78.8%	Above	Total Population
Bloomington Lake Clinic	201	76.1%	69.8%	81.5%	Average	Total Population
Affiliated Community Medical Centers	1,378	75.9%	73.6%	78.1%	Average	Total Population
Sanford Clinic	462	75.5%	71.4%	79.2%	Average	Total Population
Central Lakes Medical Clinic	312	75.0%	69.9%	79.5%	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)	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		74.6%	74.2%	75.0%		
Avera Medical Group	434	74.7%	70.4%	78.5%	Average	Total Population
Northwest Family Physicians	219	74.4%	68.3%	79.8%	Average	Total Population
St. Cloud Medical Group	581	74.2%	70.5%	77.6%	Average	Total Population
North Clinic	329	74.2%	69.2%	78.6%	Average	Total Population
Riverwood Healthcare Center	259	74.1%	68.5%	79.1%	Average	Total Population
Alexandria Clinic	443	74.0%	69.8%	77.9%	Average	Total Population
Sanford Health	2,357	74.0%	72.2%	75.8%	Average	Total Population
Multicare Associates	489	74.0%	70.0%	77.7%	Average	Total Population
Fairview Red Wing Health Services	303	73.9%	68.7%	78.6%	Average	Total Population
United Family Medicine	460	73.7%	69.5%	77.5%	Average	Total Population
First Care Medical Services	53	73.6%	60.4%	83.6%	Average	Total Population
Unity Family Healthcare - Avon	321	73.5%	68.4%	78.1%	Average	Total Population
Allina Medical Clinic	5,193	73.5%	72.3%	74.7%	Average	Total Population
Grand Itasca Clinic	340	73.2%	68.3%	77.7%	Average	Total Population
North Memorial	628	72.9%	69.3%	76.3%	Average	Total Population
Lakeview Clinic	291	72.9%	67.5%	77.6%	Average	Total Population
Family HealthServices Minnesota	746	72.8%	69.5%	75.9%	Average	Total Population
Parkview Medical Clinic	33	72.7%	55.8%	84.9%	Average	Total Population
Altru Health System	490	72.7%	68.5%	76.4%	Average	Total Population
St. Croix Regional Medical Clinic	40	72.5%	57.2%	83.9%	Average	Total Population
Lakeview Medical Clinic	119	72.3%	63.6%	79.5%	Average	Total Population
Sibley Medical Center	36	72.2%	56.0%	84.2%	Average	Total Population
West Side Community Health Services	384	71.9%	67.2%	76.1%	Average	Total Population
Mayo Clinic	847	71.4%	68.3%	74.4%	Average	Total Population
Innovis Health LLC DBA Essentia Health West	725	71.2%	67.8%	74.4%	Average	Total Population
Ridgeview Clinics	222	71.2%	64.9%	76.7%	Average	Total Population
Winona Health	431	71.0%	66.5%	75.1%	Average	Total Population
Allina Health System	703	71.0%	67.5%	74.2%	Average	Total Population
Mayo Clinic Health System-Mankato	702	70.8%	67.3%	74.0%	Average	Total Population
Stillwater Medical Group	281	70.5%	64.9%	75.5%	Average	Total Population
Mayo Clinic Health System-Austin	492	70.1%	65.9%	74.0%	Average	Total Population
Paynesville Area Health System	170	70.0%	62.7%	76.4%	Average	Total Population
Mayo Clinic Health System-Owatonna	553	70.0%	66.0%	73.7%	Average	Total Population
Olmsted Medical Center	959	69.9%	66.9%	72.7%	Below	Total Population
FamilyHealth Medical Clinics	89	69.7%	59.5%	78.2%	Average	Total Population
Gundersen Lutheran	202	69.3%	62.6%	75.3%	Average	Total Population
Kittson Memorial Clinic	35	68.6%	52.0%	81.5%	Average	Total Population
Apple Valley Medical Clinic	148	68.2%	60.4%	75.2%	Average	Total Population
Mayo Clinic Health System-Cannon Falls	44	68.2%	53.4%	80.0%	Average	Total Population
Prairie Ridge Hospital & Health Services	90	67.8%	57.6%	76.5%	Average	Total Population
Open Cities Health Center	367	67.6%	62.6%	72.2%	Below	Total Population
Mille Lacs Health System	153	67.3%	59.5%	74.3%	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)	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		74.6%	74.2%	75.0%		
Mayo Clinic Health System-Fairmont	241	67.2%	61.1%	72.8%	Below	Total Population
Tri-County Hospital	291	67.0%	61.4%	72.2%	Below	Total Population
Broadway Medical Center	297	67.0%	61.5%	72.1%	Below	Total Population
St. Mary's Duluth Clinic Health System dba Essentia Health -East	1,873	67.0%	64.8%	69.1%	Below	Total Population
Hutchinson Medical Center	316	66.5%	61.1%	71.4%	Below	Total Population
Renville County Hospital and Clinics	80	66.3%	55.4%	75.7%	Average	Total Population
Foley Medical Center	53	66.0%	52.6%	77.3%	Average	Total Population
Fairview Mesaba Clinic	302	65.6%	60.0%	70.7%	Below	Total Population
Essentia Health Ada	55	65.5%	52.3%	76.6%	Average	Total Population
Mid Minnesota Family Medicine Center	157	65.0%	57.2%	72.0%	Below	Total Population
Scenic Rivers Health Services	102	64.7%	55.1%	73.3%	Below	Total Population
Lake Region Medical Group PA	338	64.5%	59.3%	69.4%	Below	Total Population
Johnson Street Medical Clinic	56	64.3%	51.2%	75.5%	Average	Total Population
Mayo Clinic Health System-Franciscan Medical Center, Inc.	109	64.2%	54.9%	72.6%	Below	Total Population
Cedar Riverside People's Center	169	63.9%	56.4%	70.8%	Below	Total Population
Southside Community Health Services	119	63.0%	54.1%	71.2%	Below	Total Population
Indian Health Board of Minneapolis	43	62.8%	47.9%	75.6%	Average	Total Population
Mayo Clinic Health System-Lake City	118	62.7%	53.7%	70.9%	Below	Total Population
MinuteClinic	59	62.7%	50.0%	73.9%	Average	Total Population
Stevens Community Medical Center	99	61.6%	51.8%	70.6%	Below	Total Population
Lac Qui Parle Clinic	39	61.5%	45.9%	75.1%	Average	Total Population
St. Joseph's Medical Center Clinics	759	61.5%	58.0%	64.9%	Below	Total Population
Southern Metro Medical Clinics	72	61.1%	49.6%	71.5%	Below	Total Population
St. Luke's Clinics	472	61.0%	56.6%	65.3%	Below	Total Population
Mayo Clinic Health System-Albert Lea	461	61.0%	56.4%	65.3%	Below	Total Population
Glenwood Medical Center	102	60.8%	51.1%	69.7%	Below	Total Population
Clearwater Health Services	89	60.7%	50.3%	70.2%	Below	Total Population
Williams Integracare Clinic	73	60.3%	48.8%	70.7%	Below	Total Population
Gateway Family Health Clinic	294	59.5%	53.8%	65.0%	Below	Total Population
Raiter Clinic, LTD-Integrity	208	59.1%	52.4%	65.6%	Below	Total Population
Murray County Clinic	45	57.8%	43.3%	71.0%	Below	Total Population
New Hope Crystal Medical Clinic	77	57.1%	46.0%	67.6%	Below	Total Population
Life Medical	37	56.8%	40.9%	71.3%	Below	Total Population
RiverView Health	98	56.1%	46.3%	65.5%	Below	Total Population
SuperiorHealth Center	98	56.1%	46.3%	65.5%	Below	Total Population
Now Care Medical Centers	39	53.9%	38.6%	68.4%	Below	Total Population
Lakewood Health Center Clinic	85	52.9%	42.4%	63.2%	Below	Total Population
7 Day Clinic	30	50.0%	33.2%	66.9%	Below	Total Population
Dr. Bobby K. Yang Medical Clinic	45	48.9%	35.0%	63.0%	Below	Total Population
United Hospital District Clinic	54	48.2%	35.4%	61.2%	Below	Total Population
Sawtooth Mountain Clinic	59	44.1%	32.2%	56.7%	Below	Total Population
Lake View Clinic - Two Harbors	61	41.0%	29.5%	53.5%	Below	Total Population
Target Clinic	32	34.4%	20.4%	51.7%	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)
Clinic Average		47.4%	46.9%	47.9%		
Fairview RidgeValley Clinic	39	82.1%	67.3%	91.0%	Above	Total Population
Fairview Oxboro Clinic	146	79.5%	72.2%	85.2%	Above	Total Population
CentraCare River Campus-Internal Medicine	124	76.6%	68.4%	83.2%	Above	Total Population
Fairview Jonathan Clinic	34	76.5%	60.0%	87.6%	Above	Total Population
CentraCare - St. Joseph	41	75.6%	60.7%	86.2%	Above	Total Population
Park Nicollet Clinic - Carlson	133	74.4%	66.4%	81.1%	Above	Total Population
Fairview Hiawatha Clinic	96	71.9%	62.2%	79.9%	Above	Total Population
^ CentraCare Health Plaza-Women & Children OB/GYN	35	71.4%	55.0%	83.7%	Above	Total Population
Mayo Clinic Health System Mankato Specialty Clinic	59	71.2%	58.6%	81.2%	Above	Total Population
Mayo Clinic Health System Springfield	65	69.2%	57.2%	79.1%	Above	Total Population
Affiliated Community Medical Centers - New London Clinic	48	68.8%	54.7%	80.1%	Above	Total Population
Sanford Black Duck Clinic	48	68.8%	54.7%	80.1%	Above	Total Population
^ HealthPartners - Health Center for Women	76	68.4%	57.3%	77.8%	Above	Total Population
Park Nicollet Clinic - Bloomington	104	68.3%	58.8%	76.4%	Above	Total Population
Fairview Northeast Clinic	108	67.6%	58.3%	75.7%	Above	Total Population
Park Nicollet Clinic - Eagan	127	66.9%	58.4%	74.5%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Internal Medicine	272	66.9%	61.1%	72.2%	Above	Total Population
Park Nicollet Clinic - Shorewood	48	66.7%	52.5%	78.3%	Above	Total Population
Fairview Princeton Clinic	151	66.2%	58.4%	73.3%	Above	Total Population
HealthPartners - Lino Lakes (NSFP)	44	65.9%	51.1%	78.1%	Above	Total Population
Mayo Clinic - Baldwin Building, Family Medicine	111	65.8%	56.5%	73.9%	Above	Total Population
Fairview Pine City Clinic	32	65.6%	48.3%	79.6%	Above	Total Population
Lakewood Health System - Staples Clinic	93	65.6%	55.5%	74.5%	Above	Total Population
Fairview Eagan Clinic	72	65.3%	53.8%	75.3%	Above	Total Population
Park Nicollet Clinic - St. Louis Park Family Medicine	296	64.9%	59.3%	70.1%	Above	Total Population
HealthEast - Vadnais Heights	82	64.6%	53.8%	74.1%	Above	Total Population
Sanford Broadway Internal Medicine Clinic	79	64.6%	53.6%	74.2%	Above	Total Population
Olmsted Medical Center - Spring Valley Clinic	31	64.5%	47.0%	78.9%	Average	Total Population
Park Nicollet Clinic - Plymouth	101	64.4%	54.7%	73.0%	Above	Total Population
Allina Medical Clinic - The Doctors Uptown	84	64.3%	53.6%	73.7%	Above	Total Population
Fairview Crosstown Clinic	81	64.2%	53.3%	73.8%	Above	Total Population
HealthPartners - Elk River (Riverway Clinics)	100	64.0%	54.2%	72.7%	Above	Total Population
Mayo Clinic Health System Mankato Eastridge	136	64.0%	55.6%	71.6%	Above	Total Population
HealthPartners - White Bear Lake	94	63.8%	53.8%	72.8%	Above	Total Population
Fairview Zimmerman Clinic	47	63.8%	49.5%	76.0%	Above	Total Population
HealthEast - Maplewood	66	63.6%	51.6%	74.2%	Above	Total Population
CentraCare Health Plaza-Internal Medicine	44	63.6%	48.9%	76.2%	Above	Total Population
HealthPartners - Arden Hills	93	63.4%	53.3%	72.5%	Above	Total Population
Fairview Milaca Clinic	71	63.4%	51.8%	73.6%	Above	Total Population
CentraCare Health Plaza-Family Medicine	87	63.2%	52.7%	72.6%	Above	Total Population
Fairview Highland Park Clinic	57	63.2%	50.2%	74.5%	Above	Total Population
Sanford Detroit Lakes Clinic	172	62.8%	55.4%	69.7%	Above	Total Population
Park Nicollet Clinic - Golden Valley	90	62.2%	51.9%	71.5%	Above	Total Population
Fairview Fridley Clinic	155	61.9%	54.1%	69.2%	Above	Total Population
Fairview Red Wing Medical Center	186	61.8%	54.7%	68.5%	Above	Total Population
Community-University Health Care Center	34	61.8%	45.0%	76.1%	Average	Sample
Mayo Clinic - Kasson	117	61.5%	52.5%	69.9%	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)
Clinic Average		47.4%	46.9%	47.9%		
Family HealthServices Minnesota - Highland Family Physicians	57	61.4%	48.4%	72.9%	Above	Total Population
Fairview EdenCenter Clinic	111	61.3%	52.0%	69.8%	Above	Total Population
Essentia Health - Deer River Clinic	157	61.2%	53.3%	68.4%	Above	Total Population
Sanford South Moorhead Internal Medicine	61	60.7%	48.1%	71.9%	Above	Total Population
HealthEast - Midway	99	60.6%	50.8%	69.7%	Above	Total Population
Park Nicollet Clinic - Chanhassen	180	60.6%	53.3%	67.4%	Above	Total Population
HealthEast - Woodbury	96	60.4%	50.4%	69.6%	Above	Total Population
Affiliated Community Medical Centers - Willmar Clinic	422	60.2%	55.5%	64.8%	Above	Total Population
HealthPartners - Coon Rapids	242	59.9%	53.6%	65.9%	Above	Total Population
CentraCare Health System Long Prairie	94	59.6%	49.5%	68.9%	Above	Total Population
Park Nicollet Clinic - Burnsville	330	59.4%	54.0%	64.6%	Above	Total Population
Sanford Bemidji Main Clinic Internal Medicine	91	59.3%	49.1%	68.9%	Above	Total Population
CentraCare Health System Melrose	59	59.3%	46.6%	70.9%	Average	Total Population
Family HealthServices Minnesota - Banning Avenue	59	59.3%	46.6%	70.9%	Average	Total Population
Park Nicollet Clinic - Brookdale	308	59.1%	53.5%	64.4%	Above	Total Population
HealthEast - Oakdale	110	59.1%	49.8%	67.8%	Above	Total Population
Mayo Clinic Health System Mankato Northridge	66	59.1%	47.1%	70.1%	Average	Total Population
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	320	59.1%	53.6%	64.3%	Above	Total Population
Fairview Lakes Medical Center	156	59.0%	51.1%	66.4%	Above	Total Population
Quello Clinic - Edina	78	59.0%	47.9%	69.2%	Above	Total Population
Sanford Thief River Falls Clinic	78	59.0%	47.9%	69.2%	Above	Total Population
HealthPartners - Adult & Seniors Health	419	58.7%	53.9%	63.3%	Above	Total Population
Fairview Ridges Clinic	121	58.7%	49.8%	67.1%	Above	Total Population
Sanford Clinic - Luverne	75	58.7%	47.4%	69.1%	Average	Total Population
HealthPartners - Inver Grove Heights	89	58.4%	48.1%	68.1%	Above	Total Population
Allina Medical Clinic - Elk River	96	58.3%	48.3%	67.7%	Above	Total Population
Mayo Clinic - Northeast	69	58.0%	46.2%	68.9%	Average	Total Population
Fairview Chisago Lakes Clinic	76	57.9%	46.7%	68.4%	Average	Total Population
Essentia Health - Duluth Clinic 1st St	358	57.8%	52.7%	62.8%	Above	Total Population
Sanford Bemidji Main Clinic Family Medicine	161	57.8%	50.0%	65.1%	Above	Total Population
Sanford Perham Clinic	97	57.7%	47.8%	67.1%	Above	Total Population
Fairview Blaine Clinic	52	57.7%	44.2%	70.1%	Average	Total Population
Fairview Uptown Clinic	52	57.7%	44.2%	70.1%	Average	Total Population
CentraCare - Heartland	113	57.5%	48.3%	66.2%	Above	Total Population
Family HealthServices Minnesota - Larpenteur Clinic	75	57.3%	46.1%	67.9%	Average	Total Population
Fairview Brooklyn Park Clinic	171	57.3%	49.8%	64.5%	Above	Total Population
Quello Clinic - Burnsville	79	57.0%	46.0%	67.3%	Average	Total Population
Essentia Health - Ely Clinic	116	56.9%	47.8%	65.5%	Above	Total Population
HealthPartners - Maplewood	227	56.8%	50.3%	63.1%	Above	Total Population
Fairview CedarRidge Clinic	124	56.5%	47.7%	64.9%	Above	Total Population
HealthPartners - Brooklyn Center	355	56.3%	51.1%	61.4%	Above	Total Population
HealthPartners - Center for International Health	388	56.2%	51.2%	61.0%	Above	Total Population
Park Nicollet Clinic - Maple Grove	136	55.9%	47.5%	64.0%	Above	Total Population
Essentia Health - West Duluth Clinic	226	55.8%	49.2%	62.1%	Above	Total Population
HealthEast - Downtown St. Paul	97	55.7%	45.8%	65.2%	Average	Total Population
Fairview Lino Lakes Clinic	36	55.6%	39.6%	70.5%	Average	Total Population
Fairview Elk River Clinic	92	55.4%	45.3%	65.2%	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)
Clinic Average		47.4%	46.9%	47.9%		
Essentia Health - St. Mary's-Superior Clinic	195	55.4%	48.4%	62.2%	Above	Total Population
HealthPartners - Apple Valley	152	55.3%	47.3%	62.9%	Average	Total Population
Family HealthServices Minnesota - Afton Road	80	55.0%	44.1%	65.4%	Average	Total Population
Ridgeview Westonka Clinic	82	54.9%	44.1%	65.2%	Average	Total Population
HealthPartners - Woodbury	219	54.8%	48.2%	61.3%	Above	Total Population
Aspen Medical Group - Highland	42	54.8%	40.0%	68.8%	Average	Total Population
Sanford Clinic - Worthington	90	54.4%	44.2%	64.3%	Average	Total Population
HealthPartners - Andover (Riverway Clinics)	116	54.3%	45.3%	63.1%	Average	Total Population
Sanford Jamestown Clinic	50	54.0%	40.4%	67.0%	Average	Total Population
Stillwater Medical Group - Curve Crest Clinic	399	53.9%	49.0%	58.7%	Above	Total Population
Affiliated Community Medical Centers - Benson Clinic	119	53.8%	44.9%	62.5%	Average	Total Population
Sanford Wahpeton Clinic	67	53.7%	41.9%	65.1%	Average	Total Population
HealthPartners - West (St. Louis Park)	140	53.6%	45.3%	61.6%	Average	Total Population
Essentia Health - Hayward Clinic	127	53.5%	44.9%	62.0%	Average	Total Population
Northwest Family Physicians - Plymouth	30	53.3%	36.1%	69.8%	Average	Total Population
Allina Medical Clinic - Buffalo	214	52.8%	46.1%	59.4%	Average	Total Population
Park Nicollet Clinic - Prairie Center	97	52.6%	42.7%	62.2%	Average	Total Population
University of Minnesota Physicians - Primary Care Center	198	52.5%	45.6%	59.4%	Average	Total Population
CentraCare - Becker	42	52.4%	37.7%	66.6%	Average	Total Population
Quello Clinic - Lakeville	42	52.4%	37.7%	66.6%	Average	Total Population
Affiliated Community Medical Centers - Marshall Clinic (Market)	178	52.3%	44.9%	59.5%	Average	Total Population
Family HealthServices Minnesota - Vadnais Heights Office	67	52.2%	40.5%	63.8%	Average	Total Population
Fairview Rush City Clinic	71	52.1%	40.7%	63.3%	Average	Total Population
HealthPartners - Bloomington	223	52.0%	45.5%	58.5%	Average	Total Population
Allina Medical Clinic - Crossroads Chaska	87	51.7%	41.4%	61.9%	Average	Total Population
Fairview Andover Clinic	89	51.7%	41.5%	61.8%	Average	Total Population
Gateway Family Health Clinic - Moose Lake	157	51.6%	43.8%	59.3%	Average	Total Population
HealthPartners - Como	173	51.5%	44.1%	58.8%	Average	Total Population
Mayo Clinic Health System Le Sueur	35	51.4%	35.6%	67.0%	Average	Total Population
Sanford South Moorhead Family Medicine	74	51.4%	40.2%	62.4%	Average	Total Population
HealthPartners - Anoka (Riverway Clinics)	217	51.2%	44.5%	57.7%	Average	Total Population
Fairview North Branch Clinic	53	50.9%	37.9%	63.9%	Average	Total Population
Park Nicollet Clinic - Creekside	87	50.6%	40.3%	60.8%	Average	Total Population
Family Practice Medical Center of Willmar	188	50.5%	43.5%	57.6%	Average	Total Population
Sanford Bemidji 1705 Anne St Clinic	101	50.5%	40.9%	60.1%	Average	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (East)	103	50.5%	41.0%	60.0%	Average	Total Population
HealthEast - Grand Avenue	107	50.5%	41.1%	59.8%	Average	Total Population
Family HealthServices Minnesota - Gorman Clinic	56	50.0%	37.3%	62.7%	Average	Total Population
Olmsted Medical Center - Stewartville Clinic	40	50.0%	35.2%	64.8%	Average	Total Population
Affiliated Community Medical Centers - Redwood Falls Clinic	99	49.5%	39.9%	59.2%	Average	Total Population
Mayo Clinic Health System St. James	55	49.1%	36.4%	61.9%	Average	Total Population
Hutchinson Medical Center	245	49.0%	42.8%	55.2%	Average	Total Population
HealthEast - Cottage Grove	98	49.0%	39.3%	58.7%	Average	Total Population
North Memorial Clinic - Minnetonka Physicians	45	48.9%	35.0%	63.0%	Average	Total Population
Essentia Health - Hermantown Clinic	133	48.9%	40.5%	57.3%	Average	Total Population
Fairview Columbia Heights Clinic	160	48.8%	41.1%	56.4%	Average	Total Population
Olmsted Medical Center - Rochester Southeast	366	48.6%	43.6%	53.7%	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)
Clinic Average		47.4%	46.9%	47.9%		
Sanford New York Mills Clinic	35	48.6%	33.0%	64.4%	Average	Total Population
FamilyHealth Medical Clinic - Northfield	33	48.5%	32.5%	64.8%	Average	Total Population
Olmsted Medical Center - Preston Clinic	33	48.5%	32.5%	64.8%	Average	Total Population
Park Nicollet Clinic - Wayzata	155	48.4%	40.7%	56.2%	Average	Total Population
Park Nicollet Clinic - Prior Lake	58	48.3%	35.9%	60.8%	Average	Total Population
Allina Medical Clinic - United Medical Specialties	81	48.2%	37.6%	58.9%	Average	Total Population
Sanford Southpointe Internal Medicine	54	48.2%	35.4%	61.2%	Average	Total Population
Allina Medical Clinic - Champlin	187	48.1%	41.1%	55.3%	Average	Total Population
Family HealthServices Minnesota - Inver Grove Heights	73	48.0%	36.9%	59.2%	Average	Total Population
Mayo Clinic Health System St. Peter	76	47.4%	36.5%	58.5%	Average	Total Population
HealthPartners - St. Paul (Wabasha St.)	360	47.2%	42.1%	52.4%	Average	Total Population
Ridgeview Chanhassen Clinic	53	47.2%	34.4%	60.3%	Average	Total Population
HealthPartners - Riverside	295	47.1%	41.5%	52.8%	Average	Total Population
Affiliated Community Medical Centers - Litchfield Clinic (West)	81	46.9%	36.4%	57.7%	Average	Total Population
HealthPartners Central Minnesota Clinics	225	46.7%	40.3%	53.2%	Average	Total Population
Northwest Family Physicians - Crystal	101	46.5%	37.1%	56.2%	Average	Total Population
Mayo Clinic Health System Waseca	99	46.5%	37.0%	56.2%	Average	Total Population
Mayo Clinic Health System Fairmont	155	46.5%	38.8%	54.3%	Average	Total Population
Mayo Clinic - Specialty Practice	220	46.4%	39.9%	53.0%	Average	Total Population
Allina Medical Clinic - Woodlake	234	46.2%	39.9%	52.6%	Average	Total Population
Hennepin County Med. Center (HCMC) Clinics- Int. Med. Parkside	126	46.0%	37.6%	54.7%	Average	Total Population
Ridgeview Delano Clinic	37	46.0%	31.0%	61.6%	Average	Total Population
Sanford Clinic - Jackson	37	46.0%	31.0%	61.6%	Average	Total Population
Affiliated Community Medical Centers - Granite Falls Clinic	83	45.8%	35.5%	56.5%	Average	Total Population
Allina Medical Clinic - Shoreview	163	45.4%	38.0%	53.1%	Average	Total Population
FirstLight Health System - Hinckley	75	45.3%	34.6%	56.6%	Average	Total Population
Family HealthServices Minnesota - Woodbury Office	64	45.3%	33.7%	57.4%	Average	Total Population
Sanford Walker Clinic	64	45.3%	33.7%	57.4%	Average	Total Population
HealthPartners - Midway (St. Paul)	252	45.2%	39.2%	51.4%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - Senior Care	71	45.1%	34.1%	56.6%	Average	Total Population
Allina Medical Clinic - Cambridge Medical Center	656	44.8%	41.1%	48.6%	Average	Total Population
HealthPartners - Roseville (NSFP)	72	44.4%	33.5%	55.9%	Average	Total Population
Allina Medical Clinic - Nicollet Mall	187	44.4%	37.5%	51.6%	Average	Total Population
Allina Medical Clinic - West Health Campus	181	44.2%	37.2%	51.5%	Average	Total Population
Mid Minnesota Family Medicine Center	134	44.0%	35.9%	52.5%	Average	Total Population
Allina Medical Clinic - Isles	116	44.0%	35.3%	53.1%	Average	Total Population
Family HealthServices Minnesota - Shoreview	39	43.6%	29.3%	59.0%	Average	Total Population
North Memorial Clinic - Brooklyn Center Physicians	46	43.5%	30.2%	57.8%	Average	Total Population
North Memorial Clinic - Elk River Physicians	30	43.3%	27.4%	60.8%	Average	Total Population
France Avenue Family Physicians	80	42.5%	32.3%	53.4%	Average	Total Population
HealthEast - Roselawn	304	42.4%	37.0%	48.1%	Average	Total Population
Allina Medical Clinic - Eagan	190	42.1%	35.3%	49.2%	Average	Total Population
Scenic Rivers Health Services - Bigfork/Big Falls	107	42.1%	33.1%	51.5%	Average	Total Population
Essentia Health - Lakeside Clinic	98	41.8%	32.6%	51.7%	Average	Total Population
Essentia Health - Virginia Clinic	177	41.8%	34.8%	49.2%	Average	Total Population
Essentia Health - Ashland Clinic	212	41.5%	35.1%	48.2%	Average	Total Population
Park Nicollet Clinic - Shakopee	182	41.2%	34.3%	48.5%	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)
Clinic Average		47.4%	46.9%	47.9%		
Allina Medical Clinic - North Branch	34	41.2%	26.4%	57.8%	Average	Total Population
Sanford Clinic - Mountain Lake	39	41.0%	27.1%	56.6%	Average	Total Population
Essentia Health - Spooner Clinic	166	41.0%	33.8%	48.6%	Average	Total Population
Park Nicollet Clinic - Minneapolis	232	41.0%	34.8%	47.4%	Below	Total Population
Stillwater Medical Group - Somerset Clinic	54	40.7%	28.7%	54.0%	Average	Total Population
Allina Medical Clinic - Farmington	104	40.4%	31.5%	50.0%	Average	Total Population
North Memorial Clinic - Golden Valley Physicians	52	40.4%	28.2%	53.9%	Average	Total Population
Sanford Southpointe Family Medicine	87	40.2%	30.6%	50.7%	Average	Total Population
Family HealthServices Minnesota - North St. Paul Clinic	120	40.0%	31.7%	48.9%	Average	Total Population
Allina Health System - New Ulm Medical Center	324	39.8%	34.6%	45.2%	Below	Total Population
Allina Medical Clinic - Faribault	263	39.5%	33.8%	45.6%	Below	Total Population
Fairview Riverside Primary Care Clinic	33	39.4%	24.7%	56.3%	Average	Total Population
Allina Medical Clinic - Woodbury	255	39.2%	33.4%	45.3%	Below	Total Population
Allina Medical Clinic - Hastings (Nininger)	110	39.1%	30.5%	48.4%	Average	Total Population
Allina Medical Clinic - Ramsey	136	39.0%	31.2%	47.4%	Below	Total Population
Allina Medical Clinic - Blaine	77	39.0%	28.8%	50.1%	Average	Total Population
Gateway Family Health Clinic - Sandstone	108	38.9%	30.2%	48.3%	Average	Total Population
Essentia Health - Aurora Clinic	97	38.1%	29.1%	48.1%	Average	Total Population
Allina Medical Clinic - Northfield	224	38.0%	31.9%	44.5%	Below	Total Population
Mayo Clinic Health System in Madelia	45	37.8%	25.1%	52.4%	Average	Total Population
Allina Medical Clinic - Coon Rapids	863	37.7%	34.5%	40.9%	Below	Total Population
Allina Medical Clinic - St. Michael	77	37.7%	27.7%	48.8%	Average	Total Population
Family HealthServices Minnesota - Maryland Clinic	115	37.4%	29.1%	46.5%	Below	Total Population
Essentia Health - Hibbing Clinic	142	37.3%	29.8%	45.5%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics-Downtown Med.	1,222	37.2%	34.5%	39.9%	Below	Total Population
North Memorial Clinic - Brooklyn Park Physicians	65	36.9%	26.2%	49.1%	Average	Total Population
Allina Medical Clinic - Crossroads Prior Lake	38	36.8%	23.4%	52.7%	Average	Total Population
Rainy Lake Medical Center	141	36.2%	28.7%	44.4%	Below	Total Population
Allina Medical Clinic - West St. Paul	202	36.1%	29.8%	43.0%	Below	Total Population
Ridgeview Winsted Clinic	36	36.1%	22.5%	52.4%	Average	Total Population
Allina Medical Clinic - Cottage Grove	296	35.5%	30.2%	41.1%	Below	Total Population
Allina Medical Clinic - Cokato	71	35.2%	25.1%	46.8%	Below	Total Population
Aspen Medical Group - Hopkins	40	35.0%	22.1%	50.5%	Average	Total Population
Sanford Pelican Rapids Clinic	40	35.0%	22.1%	50.5%	Average	Total Population
Allina Medical Clinic - Brooklyn Park	63	34.9%	24.3%	47.3%	Below	Total Population
University of Minnesota Physicians - Smiley's Clinic	314	34.4%	29.4%	39.8%	Below	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)
Clinic Average		47.4%	46.9%	47.9%		
Sanford Valley City Clinic	32	34.4%	20.4%	51.7%	Average	Total Population
Allina Medical Clinic - Edina	296	34.1%	29.0%	39.7%	Below	Total Population
Allina Medical Clinic - Hastings (W First St)	220	34.1%	28.2%	40.6%	Below	Total Population
HealthEast - Rice Street	278	33.5%	28.2%	39.2%	Below	Total Population
FirstLight Health System - Mora	282	33.3%	28.1%	39.0%	Below	Total Population
Allina Medical Clinic - Crossroads Shakopee Dean Lakes	75	33.3%	23.7%	44.6%	Below	Total Population
^ Allina Medical Clinic - Women's Health	72	33.3%	23.5%	44.8%	Below	Total Population
Allina Medical Clinic - Forest Lake	237	32.9%	27.2%	39.1%	Below	Total Population
Aspen Medical Group - Bandana Square	238	32.8%	27.1%	39.0%	Below	Total Population
Allina Medical Clinic - Maple Grove	89	32.6%	23.7%	42.9%	Below	Total Population
^ Allina Medical Clinic - Ob/Gyn Specialists	97	32.0%	23.5%	41.8%	Below	Total Population
LakeWood Health Center Clinic	54	31.5%	20.7%	44.7%	Below	Total Population
^ Allina Medical Clinic - Parkview Ob/Gyn St. Paul	70	31.4%	21.8%	43.0%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Cntr	117	30.8%	23.1%	39.6%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	104	30.8%	22.7%	40.2%	Below	Total Population
North Memorial Clinic - Camden Physicians, Plymouth	30	30.0%	16.7%	47.9%	Average	Total Population
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	150	28.0%	21.4%	35.7%	Below	Total Population
Allina Medical Clinic - Shakopee	164	26.8%	20.6%	34.1%	Below	Total Population
Scenic Rivers Health Services - Cook	60	26.7%	17.1%	39.0%	Below	Total Population
Hennepin Faculty Associates - HCMC Direct Care Medicine Clinic	53	26.4%	16.4%	39.6%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	246	26.0%	20.9%	31.8%	Below	Total Population
Aspen Medical Group - Bloomington	135	25.9%	19.3%	33.9%	Below	Total Population
University of Minnesota Physicians - Bethesda Clinic	263	25.1%	20.2%	30.7%	Below	Total Population
^ University of Minnesota Physicians - Women's Health Specialists	44	25.0%	14.6%	39.4%	Below	Total Population
Aspen Medical Group - Inver Grove Heights	85	24.7%	16.8%	34.8%	Below	Total Population
FirstLight Health System - Pine City	62	24.2%	15.3%	36.2%	Below	Total Population
Sanford East Grand Forks Clinic	63	23.8%	15.0%	35.6%	Below	Total Population
Allina Medical Clinic - Annandale	80	23.8%	15.8%	34.1%	Below	Total Population
University of Minnesota Physicians - Phalen Clinic	131	23.7%	17.2%	31.6%	Below	Total Population
University of Minnesota Physicians - Broadway Family Medicine	98	23.5%	16.2%	32.8%	Below	Total Population
Bloomington Lake Clinic - Xerxes	322	20.2%	16.2%	24.9%	Below	Total Population
Aspen Medical Group - East Lake Street	70	20.0%	12.3%	30.8%	Below	Total Population
Aspen Medical Group - Maplewood	180	18.9%	13.8%	25.2%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	32	18.8%	8.9%	35.3%	Below	Total Population
North Memorial Clinic - Northeast Family Physicians	32	18.8%	8.9%	35.3%	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)
Medical Group Average		47.4%	46.9%	47.9%		
Lakewood Health System	144	64.6%	56.5%	71.9%	Above	Total Population
CentraCare Health System	639	64.5%	60.7%	68.1%	Above	Total Population
St. Luke's Clinics	36	63.7%	47.4%	77.4%	Average	Sample
Community University Health Care Center	34	61.8%	45.0%	76.1%	Average	Sample
Mayo Clinic Health System	902	61.5%	58.2%	64.6%	Above	Mixed
Fairview Health Services	2,851	60.9%	59.1%	62.6%	Above	Total Population
Park Nicollet Health Services	2,957	58.4%	56.6%	60.1%	Above	Total Population
Mayo Clinic	864	57.3%	54.0%	60.6%	Above	Total Population
Quello Clinic	224	57.1%	50.6%	63.5%	Above	Total Population
Affiliated Community Medical Centers	1,157	55.1%	52.2%	57.9%	Above	Total Population
Sanford Clinic	302	55.0%	49.3%	60.5%	Above	Total Population
^ Oakdale Ob/Gyn	51	54.9%	41.4%	67.7%	Average	Total Population
HealthPartners Clinics	4,358	54.4%	52.9%	55.9%	Above	Total Population
Sanford Health	1,619	52.8%	50.3%	55.2%	Above	Total Population
Stillwater Medical Group	457	52.1%	47.5%	56.6%	Above	Total Population
Family Practice Medical Center of Willmar	188	50.5%	43.5%	57.6%	Average	Total Population
Northwest Family Physicians	158	50.0%	42.3%	57.7%	Average	Total Population
HealthEast Clinics	1,357	49.0%	46.4%	51.7%	Average	Total Population
Hutchinson Medical Center	245	49.0%	42.8%	55.2%	Average	Total Population
St. Mary's Duluth Clinic Health System dba Essentia Health - East	2,389	48.9%	46.9%	50.9%	Average	Total Population
Olmsted Medical Center	587	48.7%	44.7%	52.8%	Average	Total Population
Family HealthServices Minnesota	826	48.3%	44.9%	51.7%	Average	Total Population
Innovis Health LLC DBA Essentia Health West	30	48.1%	31.5%	65.1%	Average	Sample
HealthPartners Central Minnesota Clinics	225	46.7%	40.3%	53.2%	Average	Total Population
Ridgeview Clinics	256	46.1%	40.1%	52.2%	Average	Total Population
Gateway Family Health Clinic	274	45.3%	39.5%	51.2%	Average	Total Population
Mid Minnesota Family Medicine Center	134	44.0%	35.9%	52.5%	Average	Total Population
FamilyHealth Medical Clinics	57	43.9%	31.8%	56.7%	Average	Total Population
France Avenue Family Physicians	80	42.5%	32.3%	53.4%	Average	Total Population
Allina Medical Clinic	6,742	40.0%	38.9%	41.2%	Below	Total Population
North Memorial	416	39.4%	34.8%	44.2%	Below	Total Population
Allina Health System	345	38.0%	33.0%	43.2%	Below	Total Population
West Side Community Health Services	39	36.7%	23.4%	52.3%	Average	Sample
Scenic Rivers Health Services	202	36.1%	29.8%	43.0%	Below	Total Population
Hennepin County Medical Center (HCMC) Clinics	2,161	34.7%	32.7%	36.7%	Below	Total Population
FirstLight Health System	419	34.1%	29.8%	38.8%	Below	Total Population
University of Minnesota Physicians	1,091	33.4%	30.6%	36.2%	Below	Total Population
Lakewood Health Center Clinic	54	31.5%	20.7%	44.7%	Below	Total Population
Altru Health System	36	30.3%	17.8%	46.6%	Below	Sample
Aspen Medical Group	803	28.3%	25.3%	31.5%	Below	Total Population
Bloomington Lake Clinic	322	20.2%	16.2%	24.9%	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		58.6%	57.8%	59.4%		
^ Face to Face Health & Counseling	101	84.2%	75.8%	90.0%	Above	Total Population
NorthPoint Health & Wellness Center	255	82.4%	77.2%	86.5%	Above	Total Population
Neighborhood Healthsource	84	81.0%	71.3%	87.9%	Above	Total Population
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	393	79.6%	75.4%	83.3%	Above	Total Population
Open Cities Health Center	103	77.7%	68.7%	84.6%	Above	Total Population
HealthPartners Clinics	1,178	76.7%	74.2%	79.1%	Above	Total Population
Ridgeview Clinics	43	76.7%	62.3%	86.9%	Above	Total Population
HealthEast Clinics	279	76.7%	71.4%	81.3%	Above	Total Population
Children's Hospitals and Clinics of Minnesota	183	76.0%	69.3%	81.6%	Above	Total Population
Dr. Bobby K. Yang Medical Clinic	54	75.9%	63.1%	85.4%	Above	Total Population
Duluth Family Practice Center- Integrity	35	71.4%	55.0%	83.7%	Average	Total Population
United Family Medicine	104	71.2%	61.8%	79.0%	Above	Total Population
University of Minnesota Physicians	490	71.0%	66.9%	74.9%	Above	Total Population
Partners in Pediatrics	51	70.6%	57.0%	81.3%	Average	Total Population
Southside Community Health Services	30	70.0%	52.1%	83.3%	Average	Total Population
Community University Health Care Center	87	69.0%	58.6%	77.7%	Average	Total Population
CentraCare Health System	293	67.6%	62.0%	72.7%	Above	Total Population
Park Nicollet Health Services	593	67.0%	63.1%	70.6%	Above	Total Population
HealthPartners Central Minnesota Clinics	117	66.7%	57.7%	74.6%	Average	Total Population
Northwest Family Physicians	38	65.8%	49.9%	78.8%	Average	Total Population
Fairview Medical Group	858	65.2%	61.9%	68.3%	Above	Total Population
West Side Community Health Services	375	64.3%	59.3%	69.0%	Above	Total Population
North Memorial	147	64.0%	55.9%	71.3%	Average	Total Population
^ Planned Parenthood of Minnesota, North Dakota, South Dakota	140	63.6%	55.3%	71.1%	Average	Total Population
Lakeview Clinic	57	63.2%	50.2%	74.5%	Average	Total Population
Aspen Medical Group	247	62.8%	56.6%	68.5%	Average	Total Population
Family HealthServices Minnesota	160	62.5%	54.8%	69.6%	Average	Total Population
Fairview Red Wing Health Services	69	62.3%	50.5%	72.8%	Average	Total Population
Allina Medical Clinic	1,226	61.3%	58.6%	64.0%	Average	Total Population
Affiliated Community Medical Centers	384	60.2%	55.2%	64.9%	Average	Total Population
Mankato Clinic, Ltd.	178	60.1%	52.8%	67.0%	Average	Total Population
Mayo Clinic Health System-Franciscan Medical Center, Inc.	30	60.0%	42.3%	75.4%	Average	Total Population
Gundersen Lutheran	47	59.6%	45.3%	72.4%	Average	Total Population
Allina Health System	160	59.4%	51.6%	66.7%	Average	Total Population
North Clinic	54	59.3%	46.0%	71.3%	Average	Total Population
Family Practice Medical Center of Willmar	51	56.9%	43.3%	69.5%	Average	Total Population
Stillwater Medical Group	67	56.7%	44.8%	67.9%	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		58.6%	57.8%	59.4%		
Multicare Associates	113	56.6%	47.4%	65.4%	Average	Total Population
Mayo Clinic Health System-Faribault	46	56.5%	42.3%	69.8%	Average	Total Population
Apple Valley Medical Clinic	32	56.3%	39.3%	71.8%	Average	Total Population
Mayo Clinic	180	56.1%	48.8%	63.2%	Average	Total Population
Fairview Mesaba Clinic	77	55.8%	44.7%	66.4%	Average	Total Population
Mayo Clinic Health System-Mankato	142	54.2%	46.0%	62.2%	Average	Total Population
Mid Minnesota Family Medicine Center	39	53.9%	38.6%	68.4%	Average	Total Population
Mayo Clinic Health System-Albert Lea	111	53.2%	43.9%	62.2%	Average	Total Population
St. Luke's Clinics	100	53.0%	43.3%	62.5%	Average	Total Population
SMDC Health System dba Essentia Health -East Region	556	51.8%	47.7%	55.9%	Below	Total Population
Mayo Clinic Health System-Fairmont	56	50.0%	37.3%	62.7%	Average	Total Population
Raiter Clinic, LTD-Integrity	56	50.0%	37.3%	62.7%	Average	Total Population
Buffalo Clinic	113	49.6%	40.5%	58.6%	Average	Total Population
Quello Clinic	53	49.1%	36.1%	62.1%	Average	Total Population
St. Cloud Medical Group	160	48.8%	41.1%	56.4%	Below	Total Population
Mayo Clinic Health System-Austin	115	48.7%	39.8%	57.7%	Below	Total Population
Grand Itasca Clinic	152	48.7%	40.9%	56.6%	Below	Total Population
Sanford Clinic	116	47.4%	38.6%	56.4%	Below	Total Population
Gateway Family Health Clinic	74	47.3%	36.3%	58.5%	Below	Total Population
Glencoe Regional Health Services	36	47.2%	32.0%	63.0%	Average	Total Population
Avera Medical Group	102	46.1%	36.7%	55.7%	Below	Total Population
RiverView Health	35	45.7%	30.5%	61.8%	Average	Total Population
Lake Region Medical Group PA	73	45.2%	34.3%	56.6%	Below	Total Population
St. Joseph's Medical Center Clinics	160	43.8%	36.3%	51.5%	Below	Total Population
Olmsted Medical Center	226	43.4%	37.1%	49.9%	Below	Total Population
Winona Health	130	43.1%	34.9%	51.7%	Below	Total Population
Hutchinson Medical Center	70	42.9%	31.9%	54.5%	Below	Total Population
Brainerd Specialty Clinic	60	41.7%	30.1%	54.3%	Below	Total Population
Riverwood Healthcare Center	58	41.4%	29.6%	54.2%	Below	Total Population
Central Lakes Medical Clinic	54	40.7%	28.7%	54.0%	Below	Total Population
Mayo Clinic Health System-Owatonna	111	38.7%	30.2%	48.0%	Below	Total Population
Broadway Medical Center	64	37.5%	26.7%	49.8%	Below	Total Population
Sanford Health	662	37.3%	33.7%	41.1%	Below	Total Population
Paynesville Area Health System	35	37.1%	23.2%	53.7%	Below	Total Population
Essentia Health St. Mary's	73	37.0%	26.8%	48.5%	Below	Total Population
Innovis Health LLC DBA Essentia Health West	180	36.1%	29.5%	43.4%	Below	Total Population
Unity Family Healthcare - Avon	93	32.3%	23.6%	42.3%	Below	Total Population
Alexandria Clinic	124	29.8%	22.5%	38.4%	Below	Total Population
Altru Health System	114	27.2%	19.9%	36.0%	Below	Total Population
Tri-County Hospital	80	25.0%	16.8%	35.5%	Below	Total Population
Lakewood Health System	103	15.5%	9.8%	23.8%	Below	Total Population

Table 28: Childhood Immunization Status by Medical Group
(Minnesota Health Care Programs with 60+ 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		72.8%	71.5%	74.1%		
HealthEast Clinics	63	86.3%	75.7%	92.7%	Above	Sample
Partners in Pediatrics	63	85.4%	74.6%	92.1%	Above	Sample
Mayo Clinic	63	83.4%	72.3%	90.6%	Average	Sample
HealthPartners Clinics	266	82.6%	77.6%	86.7%	Above	Sample
CentraCare Health System	62	82.5%	71.2%	90.0%	Average	Sample
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	230	81.1%	75.6%	85.6%	Above	Sample
Fridley Children's & Teenagers' Medical Center - CPN	63	80.7%	69.4%	88.6%	Average	Sample
Pediatric & Young Adult Medicine	63	80.1%	68.6%	88.1%	Average	Sample
Allina Health System	82	79.7%	69.7%	86.9%	Average	Sample
St. Mary's Duluth Clinic Health System dba Essentia Health - East	65	78.6%	67.2%	86.8%	Average	Sample
Olmsted Medical Center	63	77.1%	65.4%	85.7%	Average	Sample
Affiliated Community Medical Centers	82	76.7%	66.5%	84.5%	Average	Sample
Mayo Clinic Health System-Mankato	63	76.7%	64.9%	85.4%	Average	Sample
Allina Medical Clinic	122	76.6%	68.3%	83.2%	Average	Sample
Sanford Clinic	62	76.5%	64.6%	85.3%	Average	Sample
Aspen Medical Group	63	76.4%	64.6%	85.2%	Average	Sample
Metropolitan Pediatric Specialists	63	75.4%	63.5%	84.4%	Average	Sample
Mankato Clinic, Ltd.	63	75.0%	63.1%	84.1%	Average	Sample
Mayo Clinic Health System-Albert Lea	63	73.0%	61.0%	82.4%	Average	Sample
Family HealthServices Minnesota	63	73.0%	61.0%	82.4%	Average	Sample
Avera Medical Group	63	72.6%	60.6%	82.1%	Average	Sample
Park Nicollet Health Services	119	71.9%	63.2%	79.2%	Average	Sample
Children's Hospitals and Clinics of Minnesota	131	71.9%	63.7%	78.9%	Average	Sample
Fairview Medical Group	170	71.7%	64.5%	77.9%	Average	Sample
St. Joseph's Medical Center Clinics	64	71.0%	59.0%	80.7%	Average	Sample
United Family Medicine	63	70.5%	58.3%	80.3%	Average	Sample
Alexandria Clinic	60	70.0%	57.5%	80.1%	Average	Sample
Central Pediatrics	61	68.9%	56.4%	79.1%	Average	Sample
Buffalo Clinic	63	68.7%	56.5%	78.8%	Average	Sample
Altru Health System	63	68.4%	56.2%	78.6%	Average	Sample
Sanford Health	166	67.3%	59.8%	73.9%	Average	Sample
St. Cloud Medical Group	63	67.2%	54.9%	77.5%	Average	Sample
West Side Community Health Services	63	67.0%	54.7%	77.3%	Average	Sample
Innovis Health LLC DBA Essentia Health West	60	66.3%	53.6%	76.9%	Average	Sample
Grand Itasca Clinic	79	66.3%	55.3%	75.7%	Average	Sample
St. Luke's Clinics	60	65.0%	52.4%	75.8%	Average	Sample
Lake Region Medical Group PA	63	64.8%	52.5%	75.4%	Average	Sample
Winona Health	63	61.9%	49.6%	72.9%	Average	Sample
NorthPoint Health & Wellness Center	63	61.6%	49.2%	72.6%	Below	Sample
Mayo Clinic Health System-Owatonna	67	59.4%	47.5%	70.4%	Below	Sample
University of Minnesota Physicians	72	57.2%	45.6%	67.9%	Below	Sample
Mayo Clinic Health System-Austin	63	51.8%	39.7%	63.7%	Below	Sample
Open Cities Health Center	63	46.0%	34.3%	58.2%	Below	Sample
Lakewood Health System	63	42.9%	31.4%	55.1%	Below	Sample

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

**Table 29: Controlling High Blood Pressure -
Rate Changes for Reporting Years 2009-2011**

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
Family HealthServices Minnesota	82.1%	87.6%	89.8%	5.5%	2.1%	7.6%	Consistently Improved
St. Luke's Clinics	60.8%	62.9%	72.3%	2.1%	9.4%	11.5%	Consistently Improved
Fairview Mesaba Clinic	42.0%	49.3%	71.9%	7.3%	22.6%	29.9%	Consistently Improved
Alexandria Clinic	68.8%	75.7%	88.5%	6.9%	12.8%	19.7%	Consistently Improved
Allina Medical Clinic*	70.4%	76.6%	83.4%	6.3%	6.8%	13.1%	Consistently Improved
HealthPartners Clinics	73.5%	74.7%	76.8%	1.3%	2.1%	3.4%	Variable Improvement
Park Nicollet Health Services	73.7%	80.1%	77.2%	6.5%	-2.9%	3.6%	Variable Improvement
Aspen Medical Group	59.0%	64.3%	62.8%	5.4%	-1.5%	3.9%	Variable Improvement
HealthEast Clinics	77.5%	76.0%	91.0%	-1.5%	15.0%	13.5%	Variable Improvement
North Memorial	55.7%	73.6%	64.7%	18.0%	-9.0%	9.0%	Variable Improvement
Sanford Health	62.9%	63.7%	78.4%	0.8%	14.6%	15.4%	Variable Improvement
University of Minnesota Physicians	62.0%	55.6%	70.1%	-6.3%	14.5%	8.1%	Variable Improvement
Affiliated Community Medical Centers	69.8%	77.2%	75.6%	7.4%	-1.5%	5.8%	Variable Improvement
Olmsted Medical Center	65.7%	71.1%	70.6%	5.4%	-0.5%	4.9%	Variable Improvement
Mankato Clinic, Ltd.	69.9%	68.8%	79.1%	-1.1%	10.3%	9.2%	Variable Improvement
Altru Health System	50.1%	58.7%	53.3%	8.6%	-5.4%	3.2%	Variable Improvement
St. Cloud Medical Group	68.4%	71.5%	68.9%	3.2%	-2.6%	0.6%	Variable Improvement
Lake Region Medical Group PA	47.1%	58.5%	47.6%	11.5%	-10.9%	0.5%	Variable Improvement
Mayo Clinic	52.0%	74.0%	72.3%	22.0%	-1.8%	20.2%	Variable Improvement
Bloomington Lake Clinic	65.5%	67.1%	76.8%	1.5%	9.7%	11.3%	Variable Improvement
Sanford Clinic	64.1%	59.8%	82.4%	-4.3%	22.6%	18.3%	Variable Improvement
Avera Medical Group	56.7%	61.6%	57.1%	4.9%	-4.5%	0.4%	Variable Improvement
Cedar Riverside People's Center	49.6%	55.1%	52.4%	5.5%	-2.6%	2.8%	Variable Improvement
Broadway Medical Center	50.6%	65.3%	64.0%	14.8%	-1.4%	13.4%	Variable Improvement
Allina Health System	60.9%	65.6%	64.8%	4.7%	-0.8%	4.0%	Variable Improvement
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	58.1%	59.7%	65.3%	1.6%	5.6%	7.2%	Variable Improvement
SMDC Health System dba Essentia Health - East Region	67.9%	71.7%	67.4%	3.8%	-4.4%	-0.6%	Variable Decline
CentraCare Health System	73.1%	77.0%	71.4%	3.9%	-5.6%	-1.7%	Variable Decline
Winona Health	68.9%	48.3%	67.3%	-20.5%	18.9%	-1.6%	Variable Decline
Central Lakes Medical Clinic	66.7%	68.5%	61.7%	1.9%	-6.9%	-5.0%	Variable Decline
United Family Medicine	70.5%	70.5%	59.7%	0.0%	-10.9%	-10.9%	Variable Decline
Tri-County Hospital	49.7%	49.7%	37.4%	0.0%	-12.3%	-12.3%	Variable Decline
NorthPoint Health & Wellness Center	59.2%	58.4%	55.2%	-0.8%	-3.2%	-4.0%	Variable Decline
North Clinic*	62.3%	56.5%	50.2%	-5.8%	-6.3%	-12.1%	Consistently Decline
Buffalo Clinic	71.9%	69.5%	53.7%	-2.4%	-15.8%	-18.2%	Consistently Decline

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

Table 30: Appropriate Treatment for Children with Upper Respiratory Infection - Rate Changes for Reporting Years 2009-2011

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
Ridgeview Clinics*	73.3%	80.7%	86.8%	7.3%	6.1%	13.5%	Consistently Improved
St. Luke's Clinics	72.3%	79.8%	82.3%	7.5%	2.5%	10.0%	Consistently Improved
Tri-County Hospital*	68.0%	76.1%	85.6%	8.1%	9.5%	17.7%	Consistently Improved
HealthPartners Clinics	96.5%	96.8%	96.4%	0.4%	-0.4%	-0.1%	Relatively Stable
HealthEast Clinics	93.6%	92.6%	90.8%	-1.0%	-1.8%	-2.8%	Relatively Stable
North Memorial	95.0%	94.9%	94.8%	-0.2%	0.0%	-0.2%	Relatively Stable
University of Minnesota Physicians	95.7%	97.6%	97.7%	1.9%	0.2%	2.0%	Relatively Stable
Hutchinson Medical Center	94.3%	93.8%	91.9%	-0.5%	-1.9%	-2.4%	Relatively Stable
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	97.2%	97.9%	96.1%	0.7%	-1.8%	-1.1%	Relatively Stable
NorthPoint Health & Wellness Center	96.2%	98.2%	98.9%	2.0%	0.7%	2.7%	Relatively Stable
MinuteClinic*	93.2%	94.7%	96.0%	1.6%	1.3%	2.9%	Relatively Stable
WestHealth Urgent Care	94.7%	95.1%	95.6%	0.4%	0.4%	0.8%	Relatively Stable
Express Healthcare*	94.6%	96.0%	97.3%	1.4%	1.3%	2.7%	Relatively Stable
Aspen Medical Group	92.3%	96.0%	97.0%	3.7%	1.0%	4.6%	Variable Improvement
Family HealthServices Minnesota	90.2%	86.4%	91.3%	-3.8%	4.9%	1.2%	Variable Improvement
SMDC Health System dba Essentia Health - East Region	85.5%	85.5%	88.4%	0.0%	2.9%	2.9%	Variable Improvement
Sanford Health	90.0%	88.4%	91.6%	-1.6%	3.2%	1.6%	Variable Improvement
Quello Clinic	87.7%	86.6%	88.8%	-1.1%	2.2%	1.1%	Variable Improvement
CentraCare Health System	89.9%	97.2%	97.3%	7.2%	0.1%	7.4%	Variable Improvement
Affiliated Community Medical Centers	89.8%	88.9%	94.9%	-0.9%	6.0%	5.1%	Variable Improvement
Olmsted Medical Center	82.2%	82.2%	85.4%	0.0%	3.2%	3.1%	Variable Improvement
Mankato Clinic, Ltd.	86.1%	78.6%	86.5%	-7.5%	8.0%	0.5%	Variable Improvement
Lakeview Clinic	88.8%	88.7%	97.6%	0.0%	8.9%	8.8%	Variable Improvement
Multicare Associates	82.1%	86.9%	88.4%	4.8%	1.5%	6.3%	Variable Improvement
Northwest Family Physicians	90.0%	89.1%	96.4%	-0.9%	7.3%	6.4%	Variable Improvement
Buffalo Clinic	91.9%	97.3%	93.9%	5.5%	-3.4%	2.0%	Variable Improvement
Central Lakes Medical Clinic	71.9%	86.9%	78.0%	15.0%	-8.9%	6.1%	Variable Improvement
Riverwood Healthcare Center	86.0%	77.6%	90.9%	-8.4%	13.3%	4.9%	Variable Improvement
Alexandria Clinic	66.2%	61.5%	73.0%	-4.7%	11.5%	6.8%	Variable Improvement
HealthPartners Central Minnesota Clinics	90.4%	88.5%	96.2%	-1.9%	7.7%	5.8%	Variable Improvement
Paynesville Area Health System	69.1%	80.4%	74.2%	11.3%	-6.2%	5.1%	Variable Improvement
Apple Valley Medical Clinic	76.9%	78.3%	80.5%	1.4%	2.2%	3.6%	Variable Improvement
United Family Medicine	95.5%	94.7%	97.4%	-0.7%	2.6%	1.9%	Variable Improvement
Lakewood Health System	79.9%	87.0%	88.0%	7.1%	1.1%	8.2%	Variable Improvement
Avera Medical Group	31.1%	31.3%	42.1%	0.2%	10.7%	11.0%	Variable Improvement
Unity Family Healthcare - Avon	77.1%	79.0%	86.3%	1.8%	7.4%	9.2%	Variable Improvement
Broadway Medical Center	52.0%	52.9%	68.6%	1.0%	15.6%	16.6%	Variable Improvement
Allina Health System	93.4%	91.3%	95.6%	-2.1%	4.3%	2.2%	Variable Improvement
Allina Medical Clinic	92.8%	96.0%	96.5%	3.2%	0.5%	3.7%	Variable Improvement
Metropolitan Pediatric Specialists	94.9%	93.1%	97.7%	-1.8%	4.6%	2.8%	Variable Improvement
RiverView Health	58.3%	79.0%	76.5%	20.6%	-2.5%	18.1%	Variable Improvement
FamilyHealth Medical Clinics	86.7%	85.4%	88.6%	-1.3%	3.2%	1.9%	Variable Improvement
Park Nicollet Health Services	92.7%	92.2%	89.6%	-0.5%	-2.6%	-3.0%	Variable Decline
Stillwater Medical Group	93.9%	87.9%	92.2%	-6.0%	4.3%	-1.7%	Variable Decline
Altru Health System	73.8%	86.6%	72.1%	12.8%	-14.4%	-1.7%	Variable Decline
St. Cloud Medical Group	87.6%	81.5%	86.5%	-6.1%	5.0%	-1.2%	Variable Decline
Lake Region Medical Group PA	86.4%	86.2%	70.7%	-0.2%	-15.5%	-15.7%	Variable Decline
Grand Itasca Clinic	95.0%	88.3%	92.6%	-6.7%	4.3%	-2.4%	Variable Decline
Mayo Clinic	93.9%	95.4%	92.9%	1.4%	-2.4%	-1.0%	Variable Decline
St. Joseph's Medical Center Clinics	90.6%	83.8%	87.5%	-6.8%	3.7%	-3.2%	Variable Decline
Priority Pediatrics Urgent Care	100.0%	87.9%	95.8%	-12.1%	8.0%	-4.2%	Variable Decline
Suburban Emergency Associates	97.8%	83.3%	97.5%	-14.5%	14.2%	-0.3%	Variable Decline
Innovis Health LLC DBA Essentia Health West*	82.6%	76.0%	68.6%	-6.7%	-7.3%	-14.0%	Consistently Declined
Family Practice Medical Center of Willmar*	97.1%	94.3%	91.4%	-2.8%	-2.9%	-5.7%	Consistently Declined
Fairview Mesaba Clinic	84.3%	82.0%	78.4%	-2.4%	-3.6%	-6.0%	Consistently Declined
Mille Lacs Health System	94.1%	92.0%	89.0%	-2.1%	-3.0%	-5.1%	Consistently Declined
Sanford Clinic	85.9%	76.6%	74.5%	-9.3%	-2.2%	-11.4%	Consistently Declined

* = $p_{trend} < 0.05$

**Table 31: Appropriate Testing for Children with Pharyngitis -
Rate Changes for Reporting Years 2009-2011**

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
St. Cloud Medical Group	91.2%	96.4%	98.5%	5.2%	2.1%	7.3%	Consistently Improved
Alexandria Clinic*	67.7%	78.5%	86.8%	10.7%	8.4%	19.1%	Consistently Improved
Lakewood Health System	37.0%	56.1%	84.3%	19.1%	28.2%	47.3%	Consistently Improved
Unity Family Healthcare - Avon	66.7%	69.4%	78.0%	2.8%	8.6%	11.3%	Consistently Improved
Mankato Clinic, Ltd.	76.8%	78.0%	77.4%	1.1%	-0.6%	0.6%	Relatively Stable
St. Luke's Clinics*	81.1%	82.4%	83.9%	1.2%	1.6%	2.8%	Relatively Stable
Park Nicollet Health Services	92.6%	91.6%	95.0%	-1.0%	3.4%	2.4%	Variable Improvement
Aspen Medical Group	92.6%	95.2%	94.7%	2.6%	-0.5%	2.2%	Variable Improvement
Family HealthServices Minnesota	75.0%	84.3%	86.1%	9.3%	1.8%	11.1%	Variable Improvement
SMDC Health System dba Essentia Health - East Region	68.9%	67.8%	73.9%	-1.1%	6.1%	5.0%	Variable Improvement
HealthEast Clinics	93.6%	93.2%	96.4%	-0.3%	3.2%	2.9%	Variable Improvement
North Memorial	68.6%	68.8%	75.3%	0.2%	6.6%	6.8%	Variable Improvement
Sanford Health	80.5%	87.2%	87.8%	6.7%	0.6%	7.3%	Variable Improvement
Quello Clinic	85.7%	91.1%	91.1%	5.4%	0.0%	5.4%	Variable Improvement
CentraCare Health System	85.5%	81.8%	91.8%	-3.6%	9.9%	6.3%	Variable Improvement
Innovis Health LLC DBA Essentia Health West	63.4%	69.2%	71.2%	5.9%	2.0%	7.9%	Variable Improvement
Olmsted Medical Center	84.5%	81.9%	90.4%	-2.6%	8.5%	5.9%	Variable Improvement
Lakeview Clinic	88.6%	89.4%	92.0%	0.7%	2.6%	3.4%	Variable Improvement
Northwest Family Physicians	90.6%	97.1%	94.9%	6.4%	-2.2%	4.2%	Variable Improvement
Altru Health System	40.7%	45.8%	44.8%	5.1%	-1.0%	4.1%	Variable Improvement
Lake Region Medical Group PA	76.5%	64.9%	78.7%	-11.6%	13.9%	2.3%	Variable Improvement
Mayo Clinic	75.2%	82.5%	80.9%	7.2%	-1.6%	5.7%	Variable Improvement
Fairview Mesaba Clinic	35.9%	63.6%	62.9%	27.7%	-0.7%	27.0%	Variable Improvement
Tri-County Hospital	61.2%	78.0%	69.8%	16.8%	-8.2%	8.6%	Variable Improvement
Allina Health System	83.8%	88.7%	89.7%	4.9%	1.0%	5.9%	Variable Improvement
Allina Medical Clinic	87.3%	92.8%	93.0%	5.5%	0.3%	5.8%	Variable Improvement
MinuteClinic	96.8%	99.7%	98.9%	2.9%	-0.8%	2.1%	Variable Improvement
Express Healthcare	98.6%	100.0%	100.0%	1.5%	0.0%	1.5%	Variable Improvement
HealthPartners Clinics	95.7%	96.0%	92.4%	0.3%	-3.6%	-3.3%	Variable Decline
University of Minnesota Physicians	97.6%	97.9%	94.9%	0.3%	-2.9%	-2.6%	Variable Decline
Affiliated Community Medical Centers	70.6%	74.4%	65.6%	3.8%	-8.8%	-5.0%	Variable Decline
Multicare Associates	98.8%	97.0%	96.3%	-1.8%	-0.7%	-2.5%	Variable Decline
Buffalo Clinic	93.7%	93.6%	89.4%	-0.1%	-4.2%	-4.3%	Variable Decline
HealthPartners Central Minnesota Clinics	95.1%	97.4%	93.0%	2.4%	-4.4%	-2.1%	Variable Decline
Apple Valley Medical Clinic	90.5%	88.7%	83.0%	-1.8%	-5.7%	-7.5%	Variable Decline
Sanford Clinic	71.1%	72.9%	70.4%	1.8%	-2.6%	-0.7%	Variable Decline
Avera Medical Group	45.2%	38.0%	38.8%	-7.3%	0.9%	-6.4%	Variable Decline
St. Joseph's Medical Center Clinics	67.5%	64.2%	67.4%	-3.3%	3.2%	-0.1%	Variable Decline
Broadway Medical Center	56.8%	55.6%	48.4%	-1.2%	-7.2%	-8.4%	Variable Decline
RiverView Health	38.9%	30.0%	31.6%	-8.9%	1.6%	-7.3%	Variable Decline
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	94.4%	91.2%	89.9%	-3.2%	-1.3%	-4.5%	Variable Decline
WestHealth Urgent Care	97.7%	97.2%	91.2%	-0.5%	-6.0%	-6.5%	Variable Decline
Hutchinson Medical Center	90.6%	82.9%	72.3%	-7.7%	-10.6%	-18.3%	Consistently Declined

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

**Table 32: Breast Cancer Screening -
Rate Changes for Reporting Years 2009-2011**

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
Hutchinson Medical Center	42.4%	58.8%	62.2%	16.4%	3.4%	19.8%	Consistently Improved
Affiliated Community Medical Centers	62.3%	62.2%	62.3%	-0.1%	0.0%	0.0%	Relatively Stable
Tri-County Hospital	59.0%	60.9%	59.8%	2.0%	-1.2%	0.8%	Relatively Stable
HealthPartners Clinics	73.4%	80.7%	77.8%	7.3%	-2.9%	4.4%	Variable Increase
Family HealthServices Minnesota	60.0%	57.7%	64.8%	-2.3%	7.1%	4.8%	Variable Increase
HealthEast Clinics	60.7%	61.9%	72.1%	1.2%	10.2%	11.4%	Variable Increase
Sanford Health	66.9%	71.6%	67.2%	4.6%	-4.4%	0.3%	Variable Increase
CentraCare Health System	64.8%	62.6%	67.2%	-2.2%	4.7%	2.5%	Variable Increase
Buffalo Clinic	69.2%	76.8%	70.1%	7.6%	-6.7%	0.9%	Variable Increase
Mayo Clinic	79.1%	74.5%	81.2%	-4.6%	6.8%	2.1%	Variable Increase
St. Luke's Clinics	54.6%	70.4%	57.8%	15.8%	-12.7%	3.1%	Variable Increase
Fairview Mesaba Clinic	64.3%	83.3%	78.5%	19.0%	-4.9%	14.2%	Variable Increase
Alexandria Clinic	71.4%	76.8%	75.8%	5.4%	-1.1%	4.3%	Variable Increase
St. Joseph's Medical Center Clinics	52.8%	57.0%	56.8%	4.2%	-0.2%	4.0%	Variable Increase
Allina Health System	59.0%	72.8%	65.1%	13.8%	-7.7%	6.1%	Variable Increase
Allina Medical Clinic	63.5%	64.8%	68.1%	1.3%	3.3%	4.6%	Variable Increase
Park Nicollet Health Services	72.8%	75.8%	70.4%	3.1%	-5.5%	-2.4%	Variable Decline
Aspen Medical Group	75.9%	68.9%	67.8%	-7.0%	-1.2%	-8.1%	Variable Decline
SMDC Health System dba Essentia Health - East Region	66.1%	66.4%	63.6%	0.3%	-2.8%	-2.5%	Variable Decline
North Clinic	64.6%	81.1%	62.5%	16.5%	-18.6%	-2.1%	Variable Decline
University of Minnesota Physicians	50.8%	53.7%	49.6%	2.9%	-4.2%	-1.3%	Variable Decline
Stillwater Medical Group	58.3%	48.8%	55.6%	-9.6%	6.8%	-2.8%	Variable Decline
Olmsted Medical Center	72.0%	70.5%	61.5%	-1.5%	-9.0%	-10.5%	Variable Decline
Mankato Clinic, Ltd.	69.4%	68.9%	56.1%	-0.5%	-12.8%	-13.3%	Variable Decline
Altru Health System	66.2%	65.6%	63.4%	-0.6%	-2.2%	-2.8%	Variable Decline
St. Cloud Medical Group	72.9%	53.8%	55.4%	-19.2%	1.6%	-17.6%	Variable Decline
Lake Region Medical Group PA	69.2%	67.9%	65.7%	-1.3%	-2.2%	-3.6%	Variable Decline
Winona Health	60.0%	66.2%	56.9%	6.2%	-9.3%	-3.1%	Variable Decline
Central Lakes Medical Clinic	68.3%	74.4%	64.2%	6.1%	-10.2%	-4.1%	Variable Decline
Riverwood Healthcare Center	77.4%	69.7%	76.6%	-7.7%	6.9%	-0.8%	Variable Decline
Bloomington Lake Clinic	66.7%	70.3%	63.9%	3.6%	-6.3%	-2.7%	Variable Decline
Sanford Clinic	68.4%	59.0%	63.0%	-9.5%	4.0%	-5.5%	Variable Decline
United Family Medicine	63.8%	45.2%	45.7%	-18.7%	0.6%	-18.1%	Variable Decline
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	70.7%	71.0%	68.9%	0.3%	-2.1%	-1.8%	Variable Decline
NorthPoint Health & Wellness Center	71.4%	77.4%	66.0%	6.0%	-11.5%	-5.5%	Variable Decline
North Memorial*	67.7%	62.0%	56.0%	-5.8%	-6.0%	-11.8%	Consistently Declined
Innovis Health LLC DBA Essentia Health West	69.5%	61.9%	57.9%	-7.6%	-4.0%	-11.6%	Consistently Declined
Multicare Associates*	75.6%	71.2%	66.9%	-4.4%	-4.3%	-8.6%	Consistently Declined
Ridgeview Clinics	65.6%	63.3%	59.3%	-2.4%	-4.0%	-6.3%	Consistently Declined
Lakewood Health System	62.8%	59.8%	57.7%	-3.0%	-2.1%	-5.0%	Consistently Declined
Avera Medical Group	71.2%	68.6%	57.6%	-2.6%	-11.1%	-13.6%	Consistently Declined

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

**Table 33: Cervical Cancer Screening -
Rate Changes for Reporting Years 2009-2011**

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
Johnson Street Medical Clinic	48.6%	50.9%	64.3%	2.3%	13.4%	15.7%	Consistently Improved
Park Nicollet Health Services	78.3%	77.6%	78.5%	-0.7%	0.9%	0.2%	Relatively Stable
Aspen Medical Group	79.0%	80.3%	78.5%	1.3%	-1.8%	-0.6%	Relatively Stable
Sanford Health	72.6%	73.9%	74.0%	1.3%	0.1%	1.5%	Relatively Stable
North Clinic	74.7%	76.1%	74.2%	1.4%	-2.0%	-0.6%	Relatively Stable
Mankato Clinic, Ltd.	79.0%	78.4%	77.3%	-0.6%	-1.2%	-1.8%	Relatively Stable
Northwest Family Physicians	76.2%	74.6%	74.4%	-1.6%	-0.2%	-1.8%	Relatively Stable
Buffalo Clinic	78.9%	78.1%	79.3%	-0.8%	1.3%	0.4%	Relatively Stable
Winona Health	71.6%	72.6%	71.0%	1.0%	-1.6%	-0.6%	Relatively Stable
Mille Lacs Health System	68.8%	67.8%	67.3%	-1.0%	-0.4%	-1.4%	Relatively Stable
HealthPartners Central Minnesota Clinics	82.9%	82.1%	84.0%	-0.8%	1.9%	1.1%	Relatively Stable
Paynesville Area Health System	72.3%	71.6%	70.0%	-0.7%	-1.6%	-2.3%	Relatively Stable
United Family Medicine	73.4%	75.0%	73.7%	1.6%	-1.3%	0.3%	Relatively Stable
Tri-County Hospital	66.0%	68.0%	67.0%	2.0%	-1.0%	1.0%	Relatively Stable
Scenic Rivers Health Services	65.5%	66.7%	64.7%	1.2%	-2.0%	-0.8%	Relatively Stable
Allina Health System	74.7%	72.7%	71.0%	-2.0%	-1.7%	-3.7%	Relatively Stable
Obstetrics, Gynecology, & Infertility	97.7%	96.9%	97.1%	-0.8%	0.2%	-0.5%	Relatively Stable
HealthPartners Clinics	78.3%	80.2%	83.0%	1.9%	2.8%	4.7%	Variable Improvement
Family HealthServices Minnesota	71.5%	74.3%	72.8%	2.9%	-1.5%	1.3%	Variable Improvement
HealthEast Clinics	73.5%	71.0%	76.3%	-2.4%	5.3%	2.8%	Variable Improvement
University of Minnesota Physicians	73.4%	72.6%	77.0%	-0.8%	4.4%	3.6%	Variable Improvement
Quello Clinic	73.6%	83.1%	79.5%	9.5%	-3.6%	5.8%	Variable Improvement
CentraCare Health System	78.2%	81.6%	79.8%	3.5%	-1.8%	1.7%	Variable Improvement
Innovis Health LLC DBA Essentia Health West	67.5%	72.8%	71.2%	5.3%	-1.6%	3.6%	Variable Improvement
Affiliated Community Medical Centers	70.4%	75.2%	75.9%	4.8%	0.7%	5.5%	Variable Improvement
Stillwater Medical Group	69.1%	73.4%	70.5%	4.2%	-2.9%	1.3%	Variable Improvement
Olmsted Medical Center	69.6%	72.0%	69.9%	2.4%	-2.1%	0.3%	Variable Improvement
Altru Health System	72.0%	74.8%	72.7%	2.8%	-2.1%	0.7%	Variable Improvement
Ridgeview Clinics	65.1%	71.6%	71.2%	6.5%	-0.4%	6.1%	Variable Improvement
St. Cloud Medical Group	72.7%	77.2%	74.2%	4.5%	-3.1%	1.5%	Variable Improvement
Gundersen Lutheran	65.6%	67.9%	69.3%	2.3%	1.4%	3.7%	Variable Improvement
Central Lakes Medical Clinic	65.7%	78.1%	75.0%	12.4%	-3.1%	9.3%	Variable Improvement
Riverwood Healthcare Center	70.2%	72.8%	74.1%	2.6%	1.3%	4.0%	Variable Improvement
Edina Family Physicians	83.8%	80.4%	89.6%	-3.4%	9.1%	5.8%	Variable Improvement

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

Table 33: Cervical Cancer Screening -continued
Rate Changes for Reporting Years 2009-2011

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
Mayo Clinic	69.1%	76.7%	71.4%	7.6%	-5.3%	2.3%	Variable Improvement
Alexandria Clinic	72.2%	79.2%	74.0%	7.0%	-5.2%	1.8%	Variable Improvement
Foley Medical Center	59.0%	57.8%	66.0%	-1.2%	8.3%	7.1%	Variable Improvement
Sanford Clinic	73.7%	76.2%	75.5%	2.5%	-0.6%	1.9%	Variable Improvement
Lakewood Health System	68.4%	79.3%	77.9%	10.9%	-1.4%	9.5%	Variable Improvement
Avera Medical Group	62.6%	79.0%	74.7%	16.4%	-4.4%	12.0%	Variable Improvement
St. Joseph's Medical Center Clinics	48.2%	62.0%	61.5%	13.8%	-0.5%	13.4%	Variable Improvement
Cedar Riverside People's Center	58.3%	57.3%	63.9%	-1.0%	6.7%	5.6%	Variable Improvement
St. Paul Family Medical Center	69.6%	58.0%	76.7%	-11.6%	18.7%	7.0%	Variable Improvement
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics*	72.7%	74.9%	76.7%	2.2%	1.8%	4.0%	Variable Improvement
Now Care Medical Centers	48.7%	69.5%	53.9%	20.8%	-15.6%	5.1%	Variable Improvement
SMDC Health System dba Essentia Health - East Region	74.9%	74.9%	67.0%	0.0%	-7.9%	-7.9%	Variable Decline
North Memorial	76.5%	70.3%	72.9%	-6.2%	2.7%	-3.6%	Variable Decline
Multicare Associates	78.6%	73.6%	74.0%	-5.0%	0.4%	-4.6%	Variable Decline
Lake Region Medical Group PA	66.0%	67.1%	64.5%	1.1%	-2.6%	-1.5%	Variable Decline
Hutchinson Medical Center	70.0%	66.9%	66.5%	-3.1%	-0.4%	-3.5%	Variable Decline
Family Practice Medical Center of Willmar	82.7%	83.2%	78.6%	0.5%	-4.6%	-4.1%	Variable Decline
Fairview Mesaba Clinic	68.7%	72.5%	65.6%	3.8%	-6.9%	-3.1%	Variable Decline
Apple Valley Medical Clinic	71.0%	63.8%	68.2%	-7.2%	4.5%	-2.7%	Variable Decline
Bloomington Lake Clinic	77.0%	73.4%	76.1%	-3.6%	2.7%	-0.9%	Variable Decline
Unity Family Healthcare - Avon	79.0%	60.0%	73.5%	-19.0%	13.5%	-5.4%	Variable Decline
Broadway Medical Center	73.5%	67.9%	67.0%	-5.6%	-0.9%	-6.5%	Variable Decline
Allina Medical Clinic	75.4%	75.6%	73.5%	0.3%	-2.1%	-1.9%	Variable Decline
Mid Minnesota Family Medicine Center	66.9%	74.5%	65.0%	7.6%	-9.5%	-1.9%	Variable Decline
NorthPoint Health & Wellness Center	77.9%	73.5%	77.0%	-4.5%	3.5%	-1.0%	Variable Decline
Oakdale Ob/Gyn	91.4%	92.1%	89.4%	0.6%	-2.7%	-2.0%	Variable Decline
Obstetrics and Gynecology Associates	95.2%	91.5%	94.7%	-3.7%	3.3%	-0.4%	Variable Decline
John A. Haugen Associates, PA	100.0%	100.0%	91.7%	0.0%	-8.3%	-8.3%	Variable Decline
MinuteClinic	63.2%	48.2%	62.7%	-14.9%	14.5%	-0.5%	Variable Decline
Lakeview Clinic	82.8%	78.5%	72.9%	-4.2%	-5.7%	-9.9%	Consistently Declined
SuperiorHealth Center*	78.1%	67.7%	56.1%	-10.4%	-11.5%	-21.9%	Consistently Declined
St. Luke's Clinics	72.0%	69.6%	61.0%	-2.4%	-8.5%	-11.0%	Consistently Declined

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

**Table 34: Chlamydia Screening in Women -
Rate Changes for Reporting Years 2009-2011**

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
Fairview Mesaba Clinic	44.4%	47.6%	55.8%	3.1%	8.3%	11.4%	Consistently Improved
Alexandria Clinic	16.3%	27.3%	29.8%	11.0%	2.6%	13.5%	Consistently Improved
Central Lakes Medical Clinic	40.0%	39.3%	40.7%	-0.7%	1.4%	0.7%	Relatively Stable
Hutchinson Medical Center	40.3%	42.2%	42.9%	1.9%	0.7%	2.5%	Relatively Stable
NorthPoint Health & Wellness Center	81.2%	82.6%	82.4%	1.4%	-0.2%	1.2%	Relatively Stable
HealthPartners Clinics	73.3%	76.5%	76.7%	3.2%	0.2%	3.5%	Variable Improvement
Park Nicollet Health Services	65.3%	67.8%	67.0%	2.6%	-0.9%	1.7%	Variable Improvement
Aspen Medical Group	61.1%	64.9%	62.8%	3.8%	-2.1%	1.7%	Variable Improvement
SMDC Health System dba Essentia Health - East Region	48.9%	55.3%	51.8%	6.4%	-3.5%	2.9%	Variable Improvement
HealthEast Clinics	59.2%	59.1%	76.7%	-0.1%	17.6%	17.5%	Variable Improvement
Innovis Health LLC DBA Essentia Health West	34.1%	44.4%	36.1%	10.3%	-8.3%	2.0%	Variable Improvement
Mankato Clinic, Ltd.	55.2%	56.0%	60.1%	0.8%	4.1%	4.9%	Variable Improvement
Lakeview Clinic	51.5%	75.0%	63.2%	23.5%	-11.8%	11.6%	Variable Improvement
Multicare Associates	53.5%	59.6%	56.6%	6.1%	-2.9%	3.2%	Variable Improvement
Ridgeview Clinics	57.6%	53.1%	76.7%	-4.5%	23.6%	19.2%	Variable Improvement
Lake Region Medical Group PA	40.3%	39.0%	45.2%	-1.2%	6.2%	5.0%	Variable Improvement
Gundersen Lutheran	37.5%	61.0%	59.6%	23.5%	-1.4%	22.1%	Variable Improvement
Sanford Clinic	47.4%	40.7%	47.4%	-6.6%	6.7%	0.0%	Variable Improvement
Lakewood Health System	14.7%	42.5%	15.5%	27.9%	-27.0%	0.9%	Variable Improvement
Avera Medical Group	44.6%	35.1%	46.1%	-9.5%	11.0%	1.5%	Variable Improvement
Broadway Medical Center	32.0%	27.6%	37.5%	-4.4%	9.9%	5.5%	Variable Improvement
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	76.4%	82.7%	79.6%	6.3%	-3.1%	3.2%	Variable Improvement
North Memorial	65.7%	69.4%	64.0%	3.7%	-5.4%	-1.7%	Variable Decline
Sanford Health	38.8%	32.7%	37.3%	-6.1%	4.6%	-1.5%	Variable Decline
North Clinic	69.4%	48.8%	59.3%	-20.6%	10.5%	-10.1%	Variable Decline
Affiliated Community Medical Centers	60.8%	55.3%	60.2%	-5.6%	4.9%	-0.6%	Variable Decline
Stillwater Medical Group	59.0%	60.8%	56.7%	1.8%	-4.1%	-2.3%	Variable Decline
Olmsted Medical Center	50.9%	51.7%	43.4%	0.8%	-8.4%	-7.6%	Variable Decline
Buffalo Clinic	50.0%	52.0%	49.6%	2.0%	-2.4%	-0.4%	Variable Decline
Winona Health	52.8%	53.5%	43.1%	0.7%	-10.4%	-9.7%	Variable Decline
Family Practice Medical Center of Willmar	60.5%	61.1%	56.9%	0.6%	-4.3%	-3.7%	Variable Decline
Riverwood Healthcare Center	57.1%	40.8%	41.4%	-16.3%	0.6%	-15.8%	Variable Decline
Mayo Clinic	57.3%	60.7%	56.1%	3.5%	-4.6%	-1.1%	Variable Decline
St. Luke's Clinics	55.9%	59.5%	53.0%	3.6%	-6.5%	-2.9%	Variable Decline
HealthPartners Central Minnesota Clinics	69.6%	59.0%	66.7%	-10.7%	7.7%	-2.9%	Variable Decline
Paynesville Area Health System	43.3%	34.0%	37.1%	-9.3%	3.1%	-6.2%	Variable Decline
United Family Medicine	73.5%	73.7%	71.2%	0.2%	-2.5%	-2.4%	Variable Decline
Tri-County Hospital	29.4%	16.7%	25.0%	-12.7%	8.3%	-4.4%	Variable Decline
Dr. Bobby K. Yang Medical Clinic	90.0%	50.0%	75.9%	-40.0%	25.9%	-14.1%	Variable Decline
Allina Health System	63.1%	64.8%	59.4%	1.7%	-5.4%	-3.7%	Variable Decline
Allina Medical Clinic	65.5%	67.2%	61.3%	1.8%	-5.9%	-4.1%	Variable Decline
Mid Minnesota Family Medicine Center	64.3%	57.1%	53.9%	-7.2%	-3.3%	-10.4%	Variable Decline
Altru Health System	40.9%	32.3%	27.2%	-8.6%	-5.1%	-13.7%	Consistently Declined
St. Cloud Medical Group	56.5%	52.0%	48.8%	-4.5%	-3.2%	-7.7%	Consistently Declined

**Table 35: Childhood Immunization Status (Combination 3) -
Rate Changes for Reporting Years 2009-2011**

Medical Group Name	2009 MHCP Rate	2010 MHCP Rate	2011 MHCP Rate	Rate Gap (2010-2009)	Rate Gap (2011-2010)	Rate Gap (2011-2009)	Rate Gap Pattern (2009-2011)
HealthPartners Clinics	84.0%	82.4%	82.6%	-1.6%	0.2%	-1.4%	Relatively Stable
SMDC Health System dba Essentia Health - East Region	78.4%	77.1%	78.6%	-1.3%	1.5%	0.2%	Relatively Stable
Family HealthServices Minnesota	65.0%	76.3%	73.0%	11.2%	-3.3%	8.0%	Variable Improvement
HealthEast Clinics	84.7%	87.7%	86.3%	3.0%	-1.4%	1.6%	Variable Improvement
CentraCare Health System	74.9%	81.6%	82.5%	6.7%	0.9%	7.6%	Variable Improvement
Avera Medical Group	72.1%	84.7%	72.6%	12.6%	-12.0%	0.6%	Variable Improvement
Allina Medical Clinic	80.0%	80.0%	76.6%	0.0%	-3.4%	-3.4%	Variable Improvement
Metropolitan Pediatric Specialists	78.4%	84.5%	75.4%	6.1%	-9.1%	-3.0%	Variable Improvement
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	73.8%	80.9%	81.1%	7.1%	0.2%	7.3%	Variable Improvement
University of Minnesota Physicians	57.2%	75.9%	57.2%	18.7%	-18.7%	0.0%	Variable
Affiliated Community Medical Centers	80.5%	74.6%	76.7%	-5.8%	2.1%	-3.7%	Variable Decline
Olmsted Medical Center	79.7%	84.5%	77.1%	4.7%	-7.4%	-2.6%	Variable Decline
Mayo Clinic	84.4%	87.6%	83.4%	3.3%	-4.3%	-1.0%	Variable Decline
Alexandria Clinic	71.0%	82.0%	70.0%	11.0%	-12.0%	-1.0%	Variable Decline
Sanford Clinic	82.8%	84.1%	76.5%	1.4%	-7.6%	-6.2%	Variable Decline
Aspen Medical Group	82.8%	85.9%	76.4%	3.2%	-9.6%	-6.4%	Variable Decline
Park Nicollet Health Services	88.4%	86.0%	71.9%	-2.4%	-14.1%	-16.5%	Consistently Declined
Sanford Health	91.6%	74.6%	67.3%	-17.0%	-7.3%	-24.3%	Consistently Declined
Innovis Health LLC DBA Essentia Health West	78.9%	70.8%	66.3%	-8.1%	-4.5%	-12.6%	Consistently Declined
Mankato Clinic, Ltd.	82.5%	79.3%	75.0%	-3.2%	-4.3%	-7.5%	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 surrounding the rate for medical groups/or clinics and comparing it to the 95 percent confidence interval surrounding 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.

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Optimal Diabetes Care

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 12 percentage points and is statistically significant. This means that the Optimal Diabetes Care statewide rate for MHCP patients (27 percent) was significantly lower than that of Other Purchasers (39 percent).

One hundred twenty-nine of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, fifty-six had significant gaps between purchasers (see Column 5). This means that fifty-six clinics had significantly lower performance rates compared to Other Purchasers. Fourteen 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. One clinic had a significantly bigger purchaser gap than the statewide gap; fourteen clinics had a significantly smaller purchaser gap than the statewide gap and of the fourteen, nine 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 (27%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (12%). Table 36 summarizes these findings.

- Allina Health System- New Ulm Medical Center
- Aspen Medical Group- Bloomington
- HealthPartners- Center for International Health
- University of Minnesota Physicians- Bethesda 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	27.2%	39.2%	12.0%	Y	
Affiliated Community Medical Centers - Benson Clinic	28.6%	40.1%	11.6%	.	.
Affiliated Community Medical Centers - Granite Falls Clinic	20.0%	42.6%	22.6%	Y	.
Affiliated Community Medical Centers - Litchfield Clinic (East)	45.7%	55.3%	9.6%	.	.
Affiliated Community Medical Centers - Marshall Clinic (Market St)	8.9%	44.0%	5.1%	.	.
Affiliated Community Medical Centers - Redwood Falls Clinic	27.1%	41.8%	14.7%	.	.
Affiliated Community Medical Centers - Willmar Clinic	36.9%	46.7%	9.8%	Y	.
Allina Health System - New Ulm Medical Center	40.3%	38.9%	-1.4%	.	Y*
Allina Medical Clinic - Buffalo	42.3%	56.2%	13.9%	.	.
Allina Medical Clinic - Cambridge Medical Center	27.7%	41.7%	14.0%	Y	.
Allina Medical Clinic - Champlin	39.4%	49.0%	9.6%	.	.
Allina Medical Clinic - Coon Rapids	42.1%	54.4%	12.3%	Y	.
Allina Medical Clinic - Cottage Grove	43.4%	51.2%	7.7%	.	.
Allina Medical Clinic - Eagan	46.0%	54.8%	8.8%	.	.
Allina Medical Clinic - Edina	33.8%	54.7%	20.9%	Y	.
Allina Medical Clinic - Faribault	38.6%	47.3%	8.7%	.	.
Allina Medical Clinic - Farmington	34.4%	50.3%	15.9%	.	.
Allina Medical Clinic - Forest Lake	45.8%	53.0%	7.2%	.	.
Allina Medical Clinic - Hastings (W First St)	31.9%	51.4%	19.5%	Y	.
Allina Medical Clinic - Mora	27.6%	50.0%	22.4%	Y	.
Allina Medical Clinic - Nicollet Mall	48.8%	50.2%	1.3%	.	.
Allina Medical Clinic - Northfield	46.7%	51.6%	4.9%	.	.
Allina Medical Clinic - Ramsey	40.0%	55.9%	15.9%	.	.
Allina Medical Clinic - Shakopee	43.8%	51.2%	7.4%	.	.
Allina Medical Clinic - Shoreview	36.8%	52.5%	15.6%	.	.
Allina Medical Clinic - The Doctors Uptown	30.0%	50.0%	20.0%	Y	.
Allina Medical Clinic - United Medical Specialties	37.5%	52.0%	14.5%	Y	.
Allina Medical Clinic - West St. Paul	35.5%	57.0%	21.6%	Y	.
Allina Medical Clinic - Woodbury	40.4%	51.8%	11.4%	.	.
Allina Medical Clinic - Woodlake	40.4%	49.3%	8.8%	.	.
Apple Valley Medical Clinic	32.5%	53.8%	21.3%	Y	.
Aspen Medical Group - Bandana Square	28.8%	41.5%	12.7%	Y	.
Aspen Medical Group - Bloomington	46.2%	39.0%	-7.2%	.	Y*
Aspen Medical Group - Maplewood	30.2%	33.9%	3.7%	.	.
Bloomington Lake Clinic - Minneapolis	27.9%	31.3%	3.4%	.	.
Broadway Medical Center - Alexandria	5.0%	22.0%	17.0%	Y	.
CentraCare - Heartland	25.7%	46.2%	20.5%	Y	.
CentraCare Health Plaza-Endocrinology	18.4%	32.0%	13.6%	Y	.
CentraCare Health System Long Prairie	33.3%	32.5%	-0.8%	.	.
CentraCare River Campus-Internal Medicine	34.4%	46.1%	11.7%	.	.
Community-University Health Care Center	24.2%	19.5%	-4.7%	.	Y*
Essentia Health - Ashland Clinic	30.5%	45.8%	15.3%	Y	.
Essentia Health - Deer River Clinic	25.5%	42.4%	16.9%	Y	.
Essentia Health - Duluth Clinic	8.1%	28.7%	20.6%	Y	.
Essentia Health - Duluth Clinic 1st St	30.6%	45.6%	15.1%	Y	.
Essentia Health - Hayward Clinic	23.1%	45.1%	22.1%	Y	.
Essentia Health - Hermantown Clinic	39.5%	44.0%	4.6%	.	.
Essentia Health - Hibbing Clinic	47.8%	45.6%	-2.3%	.	.
Essentia Health - Spooner Clinic	32.6%	36.6%	4.0%	.	.
Essentia Health - St. Mary's-Superior Clinic	29.3%	37.6%	8.4%	.	.
Essentia Health - Virginia Clinic	27.3%	29.1%	1.8%	.	.

Y = Yes, statistical significance
 * = Smaller 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	27.2%	39.2%	12.0%	Y	
Essentia Health - West Duluth Clinic	27.6%	45.1%	17.4%	Y	.
Fairview Andover Clinic	20.0%	38.4%	18.4%	Y	.
Fairview Bass Lake Clinic	25.6%	48.9%	23.3%	Y	.
Fairview Brooklyn Park Clinic	38.1%	41.5%	3.4%	.	.
Fairview CedarRidge Clinic	33.3%	45.9%	12.6%	Y	.
Fairview Columbia Heights Clinic	16.9%	35.1%	18.3%	Y	.
Fairview Eagan Clinic	32.4%	55.1%	22.7%	Y	.
Fairview EdenCenter Clinic	38.3%	44.2%	5.9%	.	.
Fairview Elk River Clinic	24.2%	38.7%	14.4%	.	.
Fairview Fridley Clinic	29.1%	40.4%	11.4%	Y	.
Fairview Hiawatha Clinic	38.8%	41.5%	2.7%	.	.
Fairview Lakes Medical Center	16.7%	36.9%	20.2%	Y	.
Fairview Milaca Clinic	29.6%	36.2%	6.7%	.	.
Fairview Northeast Clinic	27.7%	48.0%	20.3%	Y	.
Fairview Oxboro Clinic	39.4%	58.0%	18.5%	Y	.
Fairview Princeton Clinic	30.3%	34.1%	3.9%	.	.
Fairview Red Wing Medical Center	31.3%	37.8%	6.6%	.	.
Fairview Ridges Clinic	32.4%	45.9%	13.5%	Y	.
Family HealthServices Minnesota - Maryland Clinic	52.8%	52.2%	-0.6%	.	.
Family HealthServices Minnesota - North St. Paul Clinic	30.8%	45.2%	14.4%	.	.
Family Practice Medical Center of Willmar	31.9%	44.6%	12.7%	.	.
Gateway Family Health Clinic - Moose Lake	16.7%	32.8%	16.2%	Y	.
Glenwood Medical Center	18.2%	21.7%	3.5%	.	.
HealthEast - Rice Street	31.3%	36.8%	5.6%	.	.
HealthEast - Roselawn	35.5%	36.8%	1.3%	.	Y*
HealthPartners - Adult & Seniors Health	15.9%	36.4%	20.5%	Y	.
HealthPartners - Andover (Riverway Clinics)	40.6%	52.4%	11.7%	.	.
HealthPartners - Anoka (Riverway Clinics)	28.4%	42.2%	13.8%	Y	.
HealthPartners - Apple Valley	36.7%	47.5%	10.8%	.	.
HealthPartners - Bloomington	27.5%	43.2%	15.7%	Y	.
HealthPartners - Brooklyn Center	34.9%	45.9%	11.0%	Y	.
HealthPartners - Center for International Health	27.9%	26.4%	-1.5%	.	Y*
HealthPartners - Como	31.5%	45.1%	13.6%	.	.
HealthPartners - Coon Rapids	32.1%	49.1%	17.0%	Y	.
HealthPartners - Health Specialty Center (401-Phalen Campus)	27.5%	41.6%	14.1%	Y	.
HealthPartners - Maplewood	26.3%	46.0%	19.7%	Y	.
HealthPartners - Midway (St. Paul)	20.2%	33.5%	13.3%	Y	.
HealthPartners - Riverside	29.8%	42.7%	13.0%	Y	.
HealthPartners - St. Paul (Wabasha St.)	20.6%	38.4%	17.9%	Y	.
HealthPartners - West (St. Louis Park)	43.2%	40.2%	-3.0%	.	.
HealthPartners - Woodbury	31.3%	42.7%	11.4%	.	.
HealthPartners Central Minnesota Clinics - St. Cloud	14.8%	37.0%	22.2%	Y	Y
Hennepin Faculty Associates - HCMC Brooklyn Center Clinic	13.3%	21.1%	7.7%	.	.
Hennepin Faculty Associates - HCMC East Lake Clinic	19.2%	19.4%	0.2%	.	.
Hennepin Faculty Associates - HCMC Medicine Clinic	11.9%	10.8%	-1.1%	.	Y*
Hennepin Faculty Associates - HCMC Richfield Clinic	12.5%	23.5%	11.0%	.	.
Hennepin Faculty Associates - HCMC Whittier Clinic	14.5%	20.0%	5.5%	.	.
Hennepin Faculty Associates - Cntr for Diabetes & Endocrinology	12.3%	29.0%	16.6%	Y	.
Hennepin Faculty Associates - HFA Internal Medicine Clinic	25.4%	25.0%	-0.4%	.	Y*
Hutchinson Medical Center	32.2%	30.0%	6.8%	.	.

Y = Yes, statistical significance
 * = Smaller 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	27.2%	39.2%	12.0%	Y	
Mid Minnesota Family Medicine Center	22.4%	24.7%	2.3%	.	.
Multicare Associates - Blaine Medical Center	16.0%	34.3%	18.3%	Y	.
Multicare Associates - Fridley Medical Center	19.1%	37.7%	18.6%	Y	.
North Memorial Clinic - Camden Physicians, Maple Grove	32.4%	32.0%	-0.4%	.	.
North Memorial Clinic - Camden Physicians, Mpls	25.0%	34.6%	9.6%	.	.
NorthPoint Health & Wellness Center	13.0%	16.3%	3.3%	.	Y*
Northwest Family Physicians - Crystal	39.5%	40.3%	0.8%	.	.
Olmsted Medical Center - Rochester Southeast	26.2%	31.6%	5.4%	.	.
Park Nicollet Clinic - Bloomington	41.3%	46.4%	5.1%	.	.
Park Nicollet Clinic - Brookdale	34.2%	49.0%	14.8%	Y	.
Park Nicollet Clinic - Burnsville	47.1%	53.0%	5.9%	.	.
Park Nicollet Clinic - Chanhassen	51.2%	56.6%	5.4%	.	.
Park Nicollet Clinic - Creekside	40.0%	42.9%	2.9%	.	.
Park Nicollet Clinic - Eagan	43.1%	49.7%	6.6%	.	.
Park Nicollet Clinic - Maple Grove	34.6%	60.3%	25.7%	Y	.
Park Nicollet Clinic - Minneapolis	30.2%	38.9%	8.7%	.	.
Park Nicollet Clinic - Plymouth	35.1%	46.4%	11.3%	.	.
Park Nicollet Clinic - Shakopee	42.5%	45.6%	3.0%	.	.
Park Nicollet Clinic - St. Louis Park Endocrinology	22.3%	33.2%	10.8%	Y	.
Park Nicollet Clinic - St. Louis Park Family Medicine	38.4%	46.9%	8.5%	.	.
Park Nicollet Clinic - St. Louis Park Internal Medicine	43.2%	55.4%	12.3%	Y	.
Rainy Lake Medical Center	27.3%	33.8%	6.5%	.	.
Sanford - Bemidji Family Medicine	14.5%	23.8%	9.3%	.	.
Sanford - Bemidji North	18.4%	27.5%	9.1%	.	.
Sanford - Broadway Internal Medicine	20.0%	39.3%	19.3%	Y	.
Sanford - Detroit Lakes	21.6%	33.3%	11.7%	.	.
Sanford - Perham	24.2%	37.1%	12.9%	.	.
Sanford - Southpointe Family Medicine	17.5%	40.5%	23.0%	Y	.
Sanford - Thief River Falls Northwest Clinic	23.5%	25.1%	1.6%	.	Y*
Sanford - Wahpeton	6.7%	28.3%	21.6%	Y	.
St. Luke's Clinics - Chequamegon Clinic	23.5%	19.6%	-4.0%	.	Y*
St. Luke's Clinics - Endocrinology Associates	22.5%	22.8%	0.3%	.	Y*
St. Luke's Clinics - Internal Medicine Associates	20.4%	25.5%	5.1%	.	.
St. Luke's Clinics - P.S. Rudie Medical Clinic	28.6%	32.6%	4.0%	.	.
Stillwater Medical Group - Curve Crest Clinic	31.0%	31.6%	0.6%	.	Y*
Stillwater Medical Group - Somerset Clinic	9.1%	18.8%	9.7%	.	.
University of Minnesota Physicians - Bethesda Clinic	27.9%	27.1%	-0.8%	.	Y*
University of Minnesota Physicians - Broadway Family Medicine	23.4%	13.3%	-10.1%	.	Y*
University of Minnesota Physicians - Medicine Specialties Clinic 6A	16.2%	29.4%	13.2%	Y	.
University of Minnesota Physicians - Phalen Clinic	26.9%	40.7%	13.8%	Y	.
University of Minnesota Physicians - Primary Care Center	20.0%	47.6%	27.6%	Y	.
University of Minnesota Physicians - Smiley's Clinic	29.4%	39.8%	10.4%	.	.
Winona Health - Winona Clinic	26.5%	26.7%	0.2%	.	.

Y = Yes, statistical significance

* = Smaller purchaser gap within Medical Group than the statewide gap

Optimal Vascular Care

Fifteen 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 13 percentage points and is statistically significant. This means that the Optimal Vascular Care statewide rate for MHCP patients (28 percent) was significantly lower than that of Other Purchasers (41 percent).

Fourteen of the clinics had rates for MHCP patients that were lower than Other Purchasers; one of these clinics had a significant gap between purchasers (see Column 5). This means that this clinic had a significantly lower MHCP performance rate compared to Other Purchasers. One clinic had a rate for MHCP patients that was higher 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. Only one clinic had a bigger purchaser gap than the gap at the statewide level, but this gap was not significantly bigger than the statewide gap; three clinics had a significantly smaller purchaser gap than the statewide gap (see Column 6).

No clinics had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (28%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (13%). 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	28.2%	41.4%	13.1%	Y	
Allina Health System - Metropolitan Heart & Vascular Institute	33.2%	35.7%	2.5%	.	Y*
Allina Health System - Minneapolis Heart Institute	28.9%	29.5%	0.6%	.	Y*
Allina Medical Clinic - Cambridge Medical Center	39.0%	43.8%	4.8%	.	.
Allina Medical Clinic - Coon Rapids	48.5%	54.7%	6.2%	.	.
Essentia Health - Duluth Clinic 1st St	45.5%	46.0%	0.6%	.	.
Essentia Health - Duluth Clinic Main	14.6%	23.7%	9.2%	.	.
HealthPartners - Adult & Seniors Health	33.3%	44.9%	11.5%	.	.
HealthPartners - Midway (St. Paul)	28.1%	36.7%	8.5%	.	.
HealthPartners -Regions Specialty Center (Jackson Street Campus)	30.1%	51.4%	21.4%	Y	.
Hennepin Faculty Associates - HCMC Hennepin Heart Center	27.3%	28.4%	1.1%	.	.
Hennepin Faculty Associates - HCMC Medicine Clinic	21.9%	12.5%	-9.4%	.	Y*
NorthPoint Health & Wellness Center	10.2%	13.3%	3.2%	.	.
Sanford - Thief River Falls Northwest Clinic	21.9%	27.7%	5.8%	.	.
Stillwater Medical Group - Curve Crest Clinic	26.5%	28.4%	1.9%	.	.
UMP MN Heart University Clinic	26.9%	30.9%	4.0%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Depression Care Remission at Six Months

Ninety-six 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 3 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 (6 percent).

Sixty-four of the clinics had rates for MHCP patients that were lower than Other Purchasers; four of these clinics had a significant gap between purchasers (see Column 5). This means that these four clinics had significantly lower MHCP performance rates compared to Other Purchasers. Twenty-seven clinics had a rate for MHCP patients that was higher than Other Purchasers (designated with a negative sign in Column 4). Five 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, one clinic had a gap that was significantly bigger than the statewide gap; eight clinics had a significantly smaller purchaser gap than the statewide gap (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 (4%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (3%). Table 38 summarizes these findings.

- Allina Medical Clinic- Forest Lake
- Aspen Medical Group- Maplewood
- Mayo Clinic- Specialty Practice
- St. Joseph's- Brainerd 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	3.5%	6.1%	2.6%	Y	
Allina Health System - Allina Mental Health Northtown Clinic	4.8%	12.1%	7.3%	.	.
Allina Health System - New Ulm Medical Center	5.4%	2.1%	-3.3%	.	.
Allina Medical Clinic - Buffalo	4.9%	12.0%	7.1%	Y	.
Allina Medical Clinic - Cambridge Medical Center	3.7%	6.7%	3.0%	.	.
Allina Medical Clinic - Champlin	1.3%	4.7%	3.3%	.	.
Allina Medical Clinic - Coon Rapids	2.7%	5.2%	2.5%	.	.
Allina Medical Clinic - Coon Rapids Women's Health	7.7%	6.9%	-0.8%	.	.
Allina Medical Clinic - Cottage Grove	4.3%	6.4%	2.2%	.	.
Allina Medical Clinic - Eagan	6.4%	10.0%	3.6%	.	.
Allina Medical Clinic - Edina	11.8%	7.8%	-4.0%	.	.
Allina Medical Clinic - Elk River	0.0%	4.4%	4.4%	.	.
Allina Medical Clinic - Faribault	3.3%	5.0%	1.7%	.	.
Allina Medical Clinic - Forest Lake	11.0%	6.2%	-4.8%	.	Y*
Allina Medical Clinic - Hastings (Nininger)	2.6%	2.7%	0.1%	.	.
Allina Medical Clinic - Hastings (W First St)	10.7%	7.6%	-3.1%	.	.
Allina Medical Clinic - Maple Grove	2.1%	6.3%	4.2%	.	.
Allina Medical Clinic - Mora	1.4%	3.4%	2.0%	.	.
Allina Medical Clinic - Nicollet Mall	5.1%	6.0%	0.9%	.	.
Allina Medical Clinic - Northfield	4.7%	7.5%	2.8%	.	.
Allina Medical Clinic - Shakopee	1.8%	6.5%	4.7%	.	.
Allina Medical Clinic - Shoreview	5.7%	5.9%	0.2%	.	.
Allina Medical Clinic - The Doctors Uptown	4.1%	5.1%	1.1%	.	.
Allina Medical Clinic - West St. Paul	5.7%	6.7%	1.1%	.	.
Allina Medical Clinic - Woodbury	5.7%	5.8%	0.1%	.	.
Allina Medical Clinic - Woodlake	7.9%	5.2%	-2.7%	.	.
Apple Valley Medical Clinic	2.4%	4.0%	1.5%	.	.
Aspen Medical Group - Bandana Square	9.6%	8.3%	-1.4%	.	.
Aspen Medical Group - Bloomington	0.0%	6.6%	6.6%	.	.
Aspen Medical Group - Maplewood	6.6%	3.2%	-3.4%	.	Y*
Associated Clinic of Psychology-Minneapolis	0.0%	0.0%	0.0%	.	.
Associated Clinic of Psychology-West St. Paul	0.0%	0.0%	0.0%	.	.
Edina Family Physicians, P.A.	2.1%	1.8%	-0.3%	.	Y*
Essentia Health - Duluth Clinic 1st St	3.2%	5.4%	2.2%	.	.
Essentia Health - Hayward Clinic	6.0%	2.4%	-3.6%	.	.
Essentia Health - Hermantown Clinic	0.0%	0.9%	0.9%	.	.
Essentia Health - Lakeside Clinic	0.0%	2.3%	2.3%	.	.
Essentia Health - Spooner Clinic	0.0%	6.8%	6.8%	.	.
Essentia Health - St. Mary's-Superior Clinic	5.9%	8.3%	2.3%	.	.
Essentia Health - West Duluth Clinic	1.7%	6.9%	5.2%	.	.
Fairview Andover Clinic	0.0%	2.4%	2.4%	.	.
Fairview Blaine Clinic	2.8%	4.6%	1.8%	.	.
Fairview Brooklyn Park Clinic	2.4%	2.5%	0.1%	.	.
Fairview CedarRidge Clinic	2.5%	3.1%	0.6%	.	.
Fairview Columbia Heights Clinic	0.0%	0.0%	0.0%	.	.
Fairview Eagan Clinic	0.0%	0.0%	0.0%	.	Y*
Fairview Fridley Clinic	0.0%	0.6%	0.6%	.	.
Fairview Hiawatha Clinic	1.7%	1.3%	-0.4%	.	.
Fairview Lakes Medical Center	0.0%	0.8%	0.8%	.	.
Fairview Milaca Clinic	6.1%	1.5%	-4.6%	.	.
Fairview Northeast Clinic	0.0%	0.9%	0.9%	.	.

Y = Yes, statistical significance

* = Smaller 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	3.5%	6.1%	2.6%	Y	
Fairview Princeton Clinic	0.0%	6.7%	6.7%	.	.
Fairview RidgeValley Clinic	3.3%	2.2%	-1.1%	.	.
Family HealthServices Minnesota - Afton Road	5.1%	5.1%	0.0%	.	.
Family HealthServices Minnesota - Gorman Clinic	5.0%	3.9%	-1.1%	.	.
Family HealthServices Minnesota - Larpenteur Clinic	9.1%	10.0%	0.9%	.	.
Family HealthServices Minnesota - Maryland Clinic	2.3%	2.8%	0.5%	.	.
Family HealthServices Minnesota - Vadnais Heights Office	8.8%	9.8%	1.0%	.	.
Family Practice Medical Center of Willmar	3.4%	6.3%	2.8%	.	.
Grand Itasca Clinic	2.4%	3.6%	1.3%	.	.
HealthPartners - Arden Hills	3.1%	10.1%	6.9%	.	.
HealthPartners - Bloomington	0.0%	6.7%	6.7%	.	.
HealthPartners - Brooklyn Center	2.0%	0.0%	-2.0%	.	Y*
HealthPartners - Como	6.1%	8.4%	2.3%	.	.
HealthPartners - Coon Rapids	1.9%	1.8%	-0.1%	.	.
HealthPartners - Inver Grove Heights	0.0%	5.8%	5.8%	.	.
HealthPartners - Riverside	3.3%	2.7%	-0.6%	.	.
HealthPartners - St. Paul (Wabasha St.)	1.2%	2.0%	0.8%	.	.
HealthPartners - White Bear Lake	8.8%	8.7%	-0.1%	.	.
HealthPartners - Woodbury	5.5%	7.2%	1.8%	.	.
HealthPartners Behavioral Health - Inver Grove Heights	11.1%	10.7%	-0.5%	.	.
HealthPartners Behavioral Health - West	4.6%	10.1%	5.5%	.	.
HealthPartners Central Minnesota Clinics - St. Cloud	2.9%	1.4%	-1.5%	.	Y*
HealthPartners Regions Behavioral Health - Woodbury	1.5%	8.5%	7.0%	Y	.
HealthPartners Regions Behavioral Health - Maplewood	2.0%	7.5%	5.4%	.	.
Hennepin County Mental Health Center	0.9%	0.7%	-0.1%	.	.
Mankato Clinic - Department of Psychiatry & Psychology	1.7%	11.2%	9.5%	Y	.
Mankato Clinic - Wickersham Campus	12.2%	11.9%	-0.3%	.	.
Mayo Clinic - Generose Building	0.0%	6.0%	6.0%	.	.
Mayo Clinic - Northwest	9.4%	30.7%	21.4%	Y	Y
Mayo Clinic - Speciality Practice	4.1%	2.8%	-1.3%	.	Y*
Mayo Health System- Immanuel St. Joseph's- Mankato Eastridge	3.9%	10.1%	6.3%	.	.
Mayo Health System- Immanuel St. Joseph's- Mankato Northridge	0.0%	2.7%	2.7%	.	.
Minnesota Mental Health Clinics - Eagan Clinic	5.4%	7.1%	1.7%	.	.
NorthPoint Health & Wellness Center	0.0%	0.0%	0.0%	.	.
Northwest Family Physicians - Crystal	2.4%	6.7%	4.3%	.	.
Olmsted Medical Center - Rochester Southeast	6.1%	7.3%	1.3%	.	.
Park Nicollet Clinic - Brookdale	0.0%	4.0%	4.0%	.	.
Park Nicollet Clinic - Carlson	0.0%	3.5%	3.5%	.	.
Park Nicollet Clinic - Eagan	2.9%	8.3%	5.3%	.	.
Park Nicollet Clinic - St. Louis Park Family Medicine	4.8%	3.6%	-1.2%	.	.
Park Nicollet Clinic - St. Louis Park Psychiatry	3.4%	5.9%	2.5%	.	.
Sanford - Professional Building	7.5%	11.8%	4.3%	.	.
St. Cloud Hospital - Behavioral Health Clinic	2.5%	5.4%	2.9%	.	.
St. Joseph's - Brainerd Clinic	10.9%	2.7%	-8.2%	.	Y*
St. Luke's Outpatient Mental Health	2.8%	3.3%	0.5%	.	.
University of Minnesota Physicians - Smiley's Clinic	1.3%	0.0%	-1.3%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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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 4 percentage points and is statistically significant. This means that the Controlling High Blood Pressure statewide rate for MHCP patients (72 percent) was significantly lower than that of Other Purchasers (76 percent).

Ten of the medical groups had rates for MHCP patients that were lower than Other Purchasers; two medical groups had statistically significant gaps between purchasers within the medical group (see Column 5). This means that within those two medical groups, MHCP patients had significantly lower performance rates than patients enrolled with Other Purchasers. Six medical groups had a rate for MHCP patients that was higher 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, four medical groups had a gap that was significantly smaller than the statewide gap; all four of these medical group had a MHCP performance rate higher than the Other Purchaser rate (see Column 6).

Allina Medical Clinic, Sanford Clinic, and Sanford Health had a higher rate for MHCP patients compared to Other Purchasers, a MHCP rate higher than the statewide MHCP average (72%), 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	71.8%	75.9%	4.1%	Y	
Affiliated Community Medical Centers	75.7%	83.6%	7.9%	.	.
Allina Health System	68.3%	82.5%	14.2%	Y	.
Allina Medical Clinic	83.2%	81.9%	-1.3%	.	Y*
Aspen Medical Group	63.5%	80.6%	17.1%	Y	.
Avera Medical Group	57.6%	43.6%	-14.0%	.	Y*
CentraCare Health System	73.7%	78.6%	4.9%	.	.
Fairview Medical Group	74.5%	75.8%	1.4%	.	.
Family HealthServices Minnesota	88.7%	85.2%	-3.5%	.	.
HealthEast Clinics	89.1%	87.4%	-1.7%	.	.
HealthPartners Clinics	76.5%	80.1%	3.6%	.	.
North Memorial	67.1%	73.5%	6.4%	.	.
Park Nicollet Health Services	77.9%	82.7%	4.8%	.	.
Sanford Clinic	81.8%	55.6%	-26.2%	Y	Y*
Sanford Health	79.0%	69.8%	-9.2%	.	Y*
St. Luke's Clinics	72.1%	76.1%	4.0%	.	.
SMDC Health System dba Essentia Health - East Region	67.9%	76.1%	8.2%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Optimal Asthma Care - Children Ages 5-17

Sixty-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 10 percentage points and is statistically significant. This means that the Optimal Asthma Care statewide rate for MHCP adult patients ages 5-17 (18 percent) was significantly lower than that of Other Purchasers (28 percent).

Thirty-six of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, five had significant gaps between purchasers (see Column 5). This means that five clinics had significantly lower performance rates compared to Other Purchasers. Eighteen 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. One clinic had a significantly bigger purchaser gap than the statewide gap; fifteen clinics had a significantly smaller purchaser gap than the statewide gap and of the fifteen, ten of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

The two 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 (18%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (10%). Table 40 summarizes these findings.

- Fairview Brooklyn Park Clinic
- Park Nicollet Clinic - Plymouth

**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	17.9%	27.9%	10.0%	Y	
Advancements in Allergy and Asthma Care, Ltd.	84.9%	90.8%	5.9%	.	.
Affiliated Community Medical Centers - Marshall Clinic (Market)	17.5%	9.5%	-8.0%	.	Y*
Affiliated Community Medical Centers - Willmar Clinic	26.0%	31.3%	5.4%	.	.
Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	51.2%	46.2%	-5.0%	.	.
Allergy & Asthma Specialists, PA - Plymouth West Health	49.0%	53.6%	4.6%	.	.
Allergy, Asthma & Pulmonary Associates, PA	0.0%	0.0%	0.0%	.	.
Allina Health System - New Ulm Medical Center	0.0%	1.1%	1.1%	.	Y
Allina Medical Clinic - Buffalo	12.1%	16.9%	4.8%	.	.
Allina Medical Clinic - Cambridge Medical Center	0.0%	0.0%	0.0%	.	.
Allina Medical Clinic - Coon Rapids	4.5%	4.4%	-0.2%	.	Y*
Allina Medical Clinic - Cottage Grove	4.8%	0.8%	-4.0%	.	Y*
Allina Medical Clinic - Faribault	0.0%	2.0%	2.0%	.	.
Allina Medical Clinic - Woodbury	2.7%	0.6%	-2.2%	.	Y*
Aspen Medical Group - Bandana Square	0.0%	0.0%	0.0%	.	.
Aspen Medical Group - Bloomington	0.0%	0.0%	0.0%	.	.
CentraCare Health Plaza-Women & Children Pediatrics	48.7%	60.3%	11.6%	Y	.
Children's General Pediatric Clinic - Minneapolis	7.1%	9.6%	2.5%	.	Y*
Children's General Pediatric Clinic - St. Paul	10.2%	17.8%	7.7%	Y	.
Children's Speciality Clinic - St. Paul	36.7%	31.4%	-5.3%	.	.
Essentia Health - Duluth Clinic 1st St	43.9%	50.4%	6.5%	.	.
Essentia Health - Virginia Clinic	19.4%	17.7%	-1.7%	.	.
Fairview Brooklyn Park Clinic	48.2%	39.3%	-8.9%	.	Y*
Fairview Children's Clinic	34.2%	42.5%	8.3%	.	.
Fairview Columbia Heights Clinic	32.3%	27.8%	-4.5%	.	.
Fairview Elk River Clinic	57.1%	64.1%	7.0%	.	.
Fairview Fridley Clinic	53.2%	49.2%	-4.0%	.	.
Fairview Lakes Medical Center	51.5%	67.4%	15.8%	.	.
Fairview Oxboro Clinic	22.9%	22.2%	-0.7%	.	.
Fairview Red Wing Medical Center	34.0%	30.1%	-3.9%	.	.
Fairview Ridges Clinic	18.0%	22.9%	4.9%	.	.

Y = Yes, statistical significance
 * = Smaller 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	17.9%	27.9%	10.0%	Y	
Grand Itasca Clinic	0.0%	0.0%	0.0%	.	.
HealthEast - Maplewood	39.7%	50.9%	11.2%	.	.
HealthEast - Woodbury	50.0%	55.3%	5.3%	.	.
HealthPartners - Anoka (Riverway Clinics)	29.6%	34.0%	4.4%	.	.
HealthPartners - Bloomington	32.1%	42.7%	10.5%	.	.
HealthPartners - Brooklyn Center	25.7%	26.6%	0.8%	.	.
HealthPartners - Como	34.4%	38.4%	4.0%	.	.
HealthPartners - Coon Rapids	21.9%	36.1%	14.2%	.	.
HealthPartners - Inver Grove Heights	44.1%	42.3%	-1.8%	.	.
HealthPartners - Maplewood	38.3%	46.0%	7.7%	.	.
HealthPartners - Midway (St. Paul)	30.7%	32.8%	2.1%	.	.
HealthPartners - Riverside	20.4%	36.0%	15.6%	Y	.
HealthPartners - St. Paul (Wabasha St.)	15.4%	32.5%	17.1%	Y	.
HealthPartners - Woodbury	26.6%	39.2%	12.6%	.	.
HealthPartners Central Minnesota Clinics	23.7%	31.5%	7.8%	.	.
Hennepin County Medical Center (HCMC) Clinics - Downtown Ped.	8.0%	14.9%	6.9%	.	.
Mayo Clinic - Baldwin Building, Pediatrics	64.4%	73.3%	9.0%	.	.
Mayo Clinic - Speciality Practice	8.6%	24.6%	16.0%	Y	.
Mayo Clinic Health System Austin	0.0%	3.7%	3.7%	.	.
Minnesota Allergy and Asthma Consultants - Burnsville	0.0%	0.0%	0.0%	.	.
Olmsted Medical Center - Rochester Southeast	10.2%	15.6%	5.4%	.	.
Park Nicollet Clinic - Brookdale	12.0%	6.7%	-5.3%	.	Y*
Park Nicollet Clinic - Burnsville	2.0%	4.7%	2.7%	.	Y*
Park Nicollet Clinic - Chanhassen	2.8%	4.1%	1.4%	.	Y*
Park Nicollet Clinic - Eagan	12.9%	7.0%	-5.9%	.	Y*
Park Nicollet Clinic - Minneapolis	0.0%	3.3%	3.3%	.	.
Park Nicollet Clinic - Plymouth	19.4%	10.1%	-9.4%	.	Y*
Park Nicollet Clinic - Shakopee	2.4%	2.1%	-0.2%	.	Y*
Park Nicollet Clinic - St. Louis Park 3850 Bldg.	6.9%	6.6%	-0.3%	.	Y*
Sanford Broadway Clinic	0.0%	0.0%	0.0%	.	Y*
Sanford Children's Southwest Clinic	1.5%	4.9%	3.4%	.	Y*

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Optimal Asthma Care - Adults Ages 18-50

Sixty-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 8 percentage points and is statistically significant. This means that the Optimal Asthma Care statewide rate for MHCP adult patients ages 18-50 (11 percent) was significantly lower than that of Other Purchasers (18 percent).

Forty-five of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, eleven had significant gaps between purchasers (see Column 5). This means that eleven clinics had significantly lower performance rates compared to Other Purchasers. Twelve of the clinics had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4). Seven 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. Five clinics had a significantly bigger purchaser gap than the statewide gap; twenty clinics had a significantly smaller purchaser gap than the statewide gap and of the twenty, eight of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

The three 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 (11%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (8%). Table 41 summarizes these findings.

- Allina Medical Clinic - Buffalo
- HealthPartners - Midway (St. Paul)
- HealthPartners- Woodbury

**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	10.6%	18.1%	7.5%	Y	
Advancements in Allergy and Asthma Care, Ltd.	83.3%	87.1%	3.8%	.	.
Affiliated Community Medical Centers - Marshall Clinic (Market)	0.0%	3.2%	3.2%	.	Y*
Affiliated Community Medical Centers - Willmar Clinic	14.7%	20.9%	6.2%	.	.
Allergy & Asthma Specialists, PA - Minneapolis Medical Arts Bldg	44.8%	48.0%	3.2%	.	.
Allergy & Asthma Specialists, PA - Plymouth West Health	51.1%	53.3%	2.1%	.	.
Allina Health System - New Ulm Medical Center	0.0%	0.0%	0.0%	.	.
Allina Medical Clinic - Buffalo	24.3%	14.3%	-10.0%	.	Y*
Allina Medical Clinic - Cambridge Medical Center	0.0%	0.0%	0.0%	.	Y
Allina Medical Clinic - Coon Rapids	0.7%	1.5%	0.8%	.	Y*
Allina Medical Clinic - Cottage Grove	3.7%	1.4%	-2.3%	.	Y*
Allina Medical Clinic - Faribault	2.3%	0.0%	-2.3%	.	Y*
Allina Medical Clinic - Forest Lake	2.3%	2.9%	0.6%	.	Y*
Allina Medical Clinic - Hastings (W First St)	0.0%	1.2%	1.2%	.	Y*
Allina Medical Clinic - Northfield	2.1%	12.2%	10.1%	Y	.
Allina Medical Clinic - West St. Paul	0.0%	1.3%	1.3%	.	Y*
Allina Medical Clinic - Woodbury	0.0%	0.2%	0.2%	.	Y*
Aspen Medical Group - Bandana Square	1.3%	0.0%	-1.3%	.	Y*
CentraCare - Heartland	12.9%	11.1%	-1.8%	.	.
Essentia Health - Duluth Clinic 1st St	41.5%	63.7%	22.3%	Y	.
Fairview Andover Clinic	34.3%	41.2%	6.9%	.	.
Fairview Brooklyn Park Clinic	28.3%	39.2%	10.9%	.	.
Fairview CedarRidge Clinic	40.0%	49.2%	9.2%	.	.
Fairview Chisago Lakes Clinic	38.2%	60.2%	22.0%	Y	.
Fairview Columbia Heights Clinic	19.7%	35.5%	15.8%	Y	.
Fairview Eagan Clinic	25.0%	46.4%	21.4%	Y	.
Fairview Elk River Clinic	28.0%	29.5%	1.5%	.	.
Fairview Fridley Clinic	22.7%	49.8%	27.0%	Y	Y
Fairview Hiawatha Clinic	33.3%	44.3%	11.0%	.	.
Fairview Lakes Medical Center	37.8%	59.6%	21.8%	Y	Y
Fairview North Branch Clinic	43.3%	55.1%	11.7%	.	.
Fairview Northeast Clinic	29.3%	40.9%	11.6%	.	.
Fairview Oxboro Clinic	51.5%	54.6%	3.1%	.	.

Y = Yes, statistical significance
 * = Smaller 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	10.6%	18.1%	7.5%	Y	
Fairview Princeton Clinic	21.4%	46.2%	24.7%	Y	Y
Fairview Red Wing Medical Center	13.0%	18.8%	5.8%	.	.
FirstLight Health System - Mora	0.0%	0.0%	0.0%	.	.
HealthEast - Rice Street	29.3%	28.1%	-1.1%	.	.
HealthEast - Roselawn	26.5%	32.5%	6.0%	.	.
HealthPartners - Anoka (Riverway Clinics)	14.8%	29.6%	14.9%	Y	.
HealthPartners - Bloomington	23.6%	34.1%	10.5%	.	.
HealthPartners - Brooklyn Center	18.2%	22.8%	4.6%	.	.
HealthPartners - Como	9.3%	18.6%	9.3%	.	.
HealthPartners - Coon Rapids	20.3%	35.4%	15.2%	Y	.
HealthPartners - Health Specialty Center (401-Phalen Campus)	11.8%	31.5%	19.7%	Y	.
HealthPartners - Inver Grove Heights	6.3%	14.5%	8.3%	.	.
HealthPartners - Maplewood	21.6%	19.7%	-1.9%	.	.
HealthPartners - Midway (St. Paul)	12.8%	2.4%	-10.4%	.	Y*
HealthPartners - Riverside	21.4%	26.8%	5.3%	.	.
HealthPartners - St. Paul (Wabasha St.)	10.4%	15.5%	5.1%	.	.
HealthPartners - Woodbury	15.8%	11.3%	-4.5%	.	Y*
HealthPartners Central Minnesota Clinics	8.8%	14.7%	5.9%	.	.
Mayo Clinic Health System Austin	6.7%	3.6%	-3.1%	.	Y*
Minnesota Allergy and Asthma Consultants - Burnsville	0.0%	0.0%	0.0%	.	
Minnesota Lung Center/Minnesota Sleep Institute - Minneapolis	20.6%	28.1%	7.5%	.	.
Northwest Family Physicians - Crystal	0.0%	2.4%	2.4%	.	Y*
Olmsted Medical Center - Rochester Southeast	0.0%	0.9%	0.9%	.	Y*
Park Nicollet Clinic - Brookdale	0.0%	0.9%	0.9%	.	Y*
Park Nicollet Clinic - Burnsville	3.6%	7.8%	4.2%	.	.
Park Nicollet Clinic - Maple Grove	2.1%	2.1%	0.0%	.	Y
Park Nicollet Clinic - Minneapolis	0.0%	2.6%	2.6%	.	Y*
Park Nicollet Clinic - Shakopee	4.7%	4.5%	-0.2%	.	Y*
Park Nicollet Clinic - St. Louis Park Asthma and Allergy	5.7%	7.8%	2.1%	.	Y*
Park Nicollet Clinic - St. Louis Park Family Medicine	6.9%	5.5%	-1.4%	.	Y*
Sanford Bemidji Main Clinic	0.0%	0.0%	0.0%	.	.
Sanford Southpointe Clinic	0.0%	0.0%	0.0%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Appropriate Treatment for Children with Upper Respiratory Infection

Sixty-eight 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 less than 1 percentage point, but is significant for Appropriate Treatment for Children with Upper Respiratory Infection.

Fourteen medical groups had purchaser performance gaps of less than 1 percent suggesting little or no difference between MHCP and Other Purchaser patients. Seventeen of the medical groups had rates for MHCP patients that were lower than Other Purchasers; for two groups MHCP patients had significantly lower performance rates compared to Other Purchasers. Fifty-one of the medical groups had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4); for seven 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, seven 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 five medical groups had a rate significantly smaller than the statewide gap. All five groups had a MHCP performance rate higher than the Other Purchaser rate (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 (89%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (<1%). Table 42 summarizes these findings.

- Children's Hospitals and Clinics of Minnesota
- Lakeview Clinic
- Lakeview Medical Clinic
- Sanford Health

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	89.3%	88.6%	-0.7%	Y	
Affiliated Community Medical Centers	94.9%	92.4%	-2.5%	.	.
Alexandria Clinic	73.0%	68.5%	-4.5%	.	.
Allina Health System	95.6%	93.9%	-1.8%	.	.
Allina Medical Clinic	96.5%	95.9%	-0.6%	.	.
Altru Health System	72.1%	80.7%	8.5%	.	.
Apple Valley Medical Clinic	80.5%	79.4%	-1.1%	.	.
Aspen Medical Group	97.0%	93.2%	-3.7%	.	.
Avera Medical Group	42.1%	55.7%	13.6%	Y	Y
Broadway Medical Center	68.6%	67.7%	-0.9%	.	.
Buffalo Clinic	93.9%	91.9%	-2.0%	.	.
CentraCare Health System	97.3%	94.9%	-2.4%	.	.
Central Pediatrics	83.3%	88.3%	5.0%	.	.
Children's Hospitals and Clinics of Minnesota	96.1%	90.1%	-6.0%	Y	Y*
Emergency Physicians, P.A.	91.5%	90.5%	-1.0%	.	.
Express Healthcare	97.3%	90.1%	-7.2%	.	.
Fairview Medical Group	94.6%	92.4%	-2.2%	.	.
Fairview Red Wing Health Services	88.0%	81.0%	-7.0%	.	.
Family Health Services Minnesota	91.3%	88.8%	-2.6%	.	.
FamilyHealth Medical Clinics	88.6%	91.7%	3.1%	.	.
Fridley Children's & Teenagers' Medical Center - CPN	96.6%	95.7%	-1.0%	.	.
Glencoe Regional Health Services	84.1%	80.5%	-3.6%	.	.
Grand Itasca Clinic	92.6%	84.3%	-8.3%	Y	.
HealthEast Clinics	90.8%	90.6%	-0.2%	.	.
HealthPartners Central Minnesota Clinics	96.2%	94.5%	-1.7%	.	.
HealthPartners Clinics	96.4%	94.3%	-2.1%	Y	.
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	96.1%	97.1%	0.9%	.	.
Hutchinson Medical Center	91.9%	94.9%	3.0%	.	.
Innovis Health LLC DBA Essentia Health West	68.6%	68.8%	0.1%	.	.
Lake Region Medical Group PA	70.7%	73.1%	2.4%	.	.
Lakeview Clinic	97.6%	88.0%	-9.6%	Y	Y*
Lakeview Medical Clinic	92.8%	78.1%	-14.6%	Y	Y*
Lakewood Health System	88.0%	79.5%	-8.6%	.	.
Mankato Clinic, Ltd.	86.5%	82.0%	-4.5%	.	.
Mayo Clinic	92.9%	87.3%	-5.6%	.	.

Y = Yes, statistical significance
 * = Smaller 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	89.3%	88.6%	-0.7%	Y	
Mayo Clinic Health System-Albert Lea	86.0%	72.4%	-13.6%	Y	Y*
Mayo Clinic Health System-Mankato	88.8%	88.8%	0.1%	.	.
Mayo Clinic Health System-Owatonna	88.4%	86.2%	-2.2%	.	.
Metropolitan Pediatric Specialists	97.7%	97.9%	0.1%	.	.
MinuteClinic	96.0%	94.1%	-2.0%	.	.
Multicare Associates	88.4%	93.4%	5.0%	.	.
North Clinic	89.5%	91.3%	1.8%	.	.
North Memorial	94.8%	92.7%	-2.1%	.	.
Northwest Family Physicians	96.4%	98.0%	1.7%	.	.
Olmsted Medical Center	85.4%	87.0%	1.6%	.	.
Park Nicollet Health Services	89.6%	89.5%	-0.1%	.	.
Partners in Pediatrics	94.7%	94.4%	-0.2%	.	.
Paynesville Area Health System	74.2%	69.4%	-4.8%	.	.
Pediatric & Young Adult Medicine	95.9%	95.1%	-0.9%	.	.
Priority Pediatrics Urgent Care	95.8%	92.9%	-3.0%	.	.
Quello Clinic	88.8%	88.0%	-0.8%	.	.
Ridgeview Clinics	86.8%	76.2%	-10.6%	.	.
RiverView Health	76.5%	67.6%	-8.9%	.	.
Sanford Clinic	74.5%	88.7%	14.3%	Y	Y
Sanford Health	91.6%	87.5%	-4.1%	Y	Y*
South Lake Pediatrics	97.4%	96.3%	-1.2%	.	.
Southdale Pediatric Associates, Ltd	98.2%	94.9%	-3.3%	.	.
Southern Metro Medical Clinics	81.8%	71.0%	-10.9%	.	.
St. Cloud Medical Group	86.5%	84.3%	-2.2%	.	.
St. Joseph's Medical Center Clinics	87.5%	84.9%	-2.5%	.	.
St. Luke's Clinics	82.3%	88.9%	6.6%	.	.
St. Mary's Duluth Clinic Health System dba Essentia Health - East	88.4%	86.6%	-1.8%	.	.
Stillwater Medical Group	92.2%	89.1%	-3.2%	.	.
Target Clinic	94.9%	95.6%	0.7%	.	.
Tri-County Hospital	85.6%	75.0%	-10.6%	.	.
United Hospital District Clinic	91.8%	78.1%	-13.7%	.	.
Unity Family Healthcare - Avon	86.3%	85.1%	-1.2%	.	.
WestHealth Urgent Care	95.6%	88.9%	-6.7%	.	.
Winona Health	94.2%	92.2%	-2.0%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Appropriate Testing for Children with Pharyngitis

Fifty-seven 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 5 percentage points and is considered to be statistically significant. This means that the Appropriate Testing for Children with Pharyngitis statewide rate for MHCP patients (85 percent) is significantly lower than that of Other Purchasers (90 percent).

Eleven medical groups had rate gaps of less than one percent suggesting little or no difference between MHCP and Other Purchaser patients. Forty of the medical groups had rates for MHCP patients that were lower than Other Purchasers; four of these medical groups had significantly lower MHCP rates compared to Other Purchasers within the medical group (see Column 5). Seventeen 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, fifteen medical groups had purchaser gaps that were significantly different than the statewide gap. Two 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 eight of them had a higher MHCP performance rate than Other Purchasers (see Column 6).

The seven 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 (85%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (5%). Table 43 summarizes these findings.

- Allina Medical Clinic
- Children's Hospitals and Clinics of Minnesota
- Express Healthcare
- Fridley Children's & Teenagers' Medical Center- Children's Physician Network
- Olmsted Medical Center
- Sanford Health
- St. Cloud Medical Group

**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	85.2%	90.2%	5.0%	Y	
Affiliated Community Medical Centers	65.6%	58.1%	-7.5%	.	Y*
Alexandria Clinic	86.8%	86.4%	-0.4%	.	.
Allina Health System	89.7%	91.9%	2.2%	.	.
Allina Medical Clinic	93.0%	93.8%	0.7%	.	Y*
Altru Health System	44.8%	64.8%	19.9%	Y	.
Apple Valley Medical Clinic	83.0%	88.4%	5.4%	.	.
Aspen Medical Group	94.7%	94.8%	0.1%	.	.
Avera Medical Group	38.8%	49.4%	10.5%	.	.
Broadway Medical Center	48.4%	66.7%	18.3%	.	.
Buffalo Clinic	89.4%	92.7%	3.3%	.	.
CCMH-Montevideo Clinic	97.4%	100.0%	2.6%	.	.
CentraCare Health System	91.8%	95.0%	3.3%	.	.
Children's Hospitals and Clinics of Minnesota	95.0%	93.5%	-1.5%	.	Y*
Emergency Physicians, P.A.	95.5%	94.8%	-0.7%	.	.
Express Healthcare	100.0%	96.4%	-3.6%	.	Y*
Fairview Express Care	92.7%	97.1%	4.5%	.	.
Fairview Medical Group	93.3%	94.0%	0.7%	.	Y*
Fairview Red Wing Health Services	88.5%	87.3%	-1.2%	.	.
Family HealthServices Minnesota	86.1%	89.4%	3.3%	.	.
Fridley Children's & Teenagers' Medical Center - CPN	100.0%	98.8%	-1.2%	.	Y*
Glencoe Regional Health Services	85.3%	85.7%	0.4%	.	.
Grand Itasca Clinic	86.9%	90.0%	3.1%	.	.
HealthEast Clinics	96.4%	96.6%	0.2%	.	.
HealthPartners Central Minnesota Clinics	93.0%	97.7%	4.7%	.	.
HealthPartners Clinics	92.4%	94.8%	2.4%	.	.
Hutchinson Medical Center	72.3%	92.2%	19.9%	Y	Y
Innovis Health LLC DBA Essentia Health West	71.2%	81.0%	9.7%	.	.
Lakeview Clinic	92.0%	90.4%	-1.6%	.	.
Mankato Clinic, Ltd.	77.4%	83.2%	5.8%	.	.
Mayo Clinic	80.9%	70.0%	-10.9%	.	Y*

Y = Yes, statistical significance
 * = Smaller 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	85.2%	90.2%	5.0%	Y	
Mayo Clinic Health System-Albert Lea	88.3%	92.6%	4.3%	.	.
Mayo Clinic Health System-Fairmont	60.0%	52.5%	-7.5%	.	.
Mayo Clinic Health System-Mankato	73.0%	76.9%	3.9%	.	.
Mayo Clinic Health System-Owatonna	74.7%	80.2%	5.5%	.	.
MinuteClinic	98.9%	99.6%	0.6%	.	Y*
Multicare Associates	96.3%	99.1%	2.8%	.	.
North Memorial	75.3%	91.0%	15.7%	Y	.
Northwest Family Physicians	94.9%	97.5%	2.6%	.	.
Olmsted Medical Center	90.4%	85.6%	-4.8%	.	Y*
Park Nicollet Health Services	95.0%	96.3%	1.3%	.	Y*
Partners in Pediatrics	92.7%	94.0%	1.3%	.	.
Pediatric & Young Adult Medicine	96.6%	98.3%	1.7%	.	.
Priority Pediatrics Urgent Care	97.7%	99.2%	1.4%	.	.
Quello Clinic	91.1%	92.7%	1.6%	.	.
Sanford Clinic	70.4%	85.2%	14.8%	Y	Y
Sanford Health	87.8%	82.6%	-5.2%	Y	Y*
South Lake Pediatrics	98.4%	97.2%	-1.3%	.	.
St. Cloud Medical Group	98.5%	96.9%	-1.6%	.	Y*
St. Joseph's Medical Center Clinics	67.4%	67.6%	0.1%	.	.
St. Luke's Clinics	83.9%	93.9%	10.0%	.	.
St. Mary's Duluth Clinic Health System dba Essentia Health - East	73.9%	70.9%	-3.0%	.	.
Target Clinic	97.3%	97.3%	0.1%	.	Y*
Tri-County Hospital	69.8%	65.0%	-4.8%	.	.
Unity Family Healthcare - Avon	78.0%	79.2%	1.2%	.	.
Urgent Care Doctors Office	100.0%	99.0%	-1.0%	.	.
WestHealth Urgent Care	91.2%	96.6%	5.4%	.	.
Winona Health	91.3%	88.7%	-2.6%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Breast Cancer Screening

Seventy-eight 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 (74 percent).

Seventy-one medical groups had rates for MHCP patients that were lower than Other Purchasers (see Column 4). Seven medical groups had higher rates for MHCP patients than Other Purchasers. Fifty-one medical groups had statistically significant gaps between purchasers within the medical group and all fifty-one clinics 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, nine medical groups had purchaser gaps that were significantly different than the statewide gap. Three of these medical groups had gaps significantly bigger than the statewide gap; six medical groups had gaps significantly smaller than the statewide gap and three of these medical groups had a higher MHCP performance rate than Other Purchasers (see Column 6).

The two 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 (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.

- Fairview Mesaba Clinic
- Mayo Clinic Health System- Austin

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	60.6%	73.9%	13.3%	Y	
Affiliated Community Medical Centers	62.3%	80.5%	18.3%	Y	.
Alexandria Clinic	75.8%	82.8%	7.0%	Y	.
Allina Health System	65.1%	82.3%	17.2%	Y	.
Allina Medical Clinic	68.1%	80.3%	12.2%	Y	.
Altru Health System	63.4%	77.7%	14.4%	Y	.
Apple Valley Medical Clinic	39.4%	70.9%	31.5%	Y	Y
Aspen Medical Group	67.8%	78.2%	10.4%	Y	.
Avera Medical Group	57.6%	77.1%	19.5%	Y	.
Bloomington Lake Clinic	63.9%	82.4%	18.5%	Y	.
Brainerd Specialty Clinic	58.6%	75.5%	16.9%	Y	.
Broadway Medical Center	56.8%	71.3%	14.5%	Y	.
Buffalo Clinic	70.1%	76.6%	6.5%	.	.
CCMH-Montevideo Clinic	69.1%	78.3%	9.3%	.	.
CentraCare Health System	67.2%	85.4%	18.2%	Y	.
Central Lakes Medical Clinic	64.2%	76.1%	11.9%	Y	.
Clearwater Health Services	71.0%	79.4%	8.4%	.	.
Community University Health Care Center	63.4%	75.6%	12.2%	.	.
Essentia Health St. Mary's	52.8%	73.4%	20.6%	Y	.
Fairview Medical Group	62.6%	75.6%	13.0%	Y	.
Fairview Mesaba Clinic	78.5%	75.5%	-3.0%	.	Y*
Fairview Red Wing Health Services	73.6%	81.3%	7.6%	.	.
Family HealthServices Minnesota	64.8%	72.7%	7.9%	Y	.
Family Practice Medical Center of Willmar	72.0%	79.7%	7.7%	.	.
Gateway Family Health Clinic	49.4%	70.8%	21.4%	Y	.
Glencoe Regional Health Services	75.8%	72.9%	-2.8%	.	.
Glenwood Medical Center	53.3%	68.9%	15.6%	.	.
Grand Itasca Clinic	67.0%	80.7%	13.7%	Y	.
Gundersen Lutheran	66.7%	86.6%	19.9%	Y	.
HealthEast Clinics	72.1%	77.6%	5.5%	.	Y*
HealthPartners Central Minnesota Clinics	73.9%	88.3%	14.4%	Y	.
HealthPartners Clinics	77.8%	89.0%	11.2%	Y	.
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	68.9%	75.7%	6.8%	Y	.
Hutchinson Medical Center	62.2%	74.2%	12.0%	Y	.
Innovis Health LLC DBA Essentia Health West	57.9%	74.4%	16.4%	Y	.
Lake Region Medical Group PA	65.7%	78.7%	13.0%	Y	.
Lakeview Clinic	60.3%	76.0%	15.7%	Y	.
Lakewood Health Center Clinic	74.3%	73.8%	-0.5%	.	.
Lakewood Health System	57.7%	75.7%	18.0%	Y	.
Mankato Clinic, Ltd.	56.1%	77.8%	21.7%	Y	.
Mayo Clinic	81.2%	83.9%	2.7%	.	Y*
Mayo Clinic Health System-Albert Lea	54.9%	68.3%	13.4%	Y	.
Mayo Clinic Health System-Austin	67.3%	67.0%	-0.2%	.	Y*
Mayo Clinic Health System-Fairmont	64.6%	75.4%	10.8%	Y	.
Mayo Clinic Health System-Mankato	71.0%	77.7%	6.7%	Y	.

Y = Yes, statistical significance
 * = Smaller 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	60.6%	73.9%	13.3%	Y	
Mayo Clinic Health System-Owatonna	76.1%	78.1%	2.0%	.	Y*
Mid Minnesota Family Medicine Center	59.5%	54.7%	-4.7%	.	.
Mille Lacs Health System	50.0%	69.5%	19.5%	Y	.
Multicare Associates	66.9%	77.5%	10.6%	Y	.
Neighborhood Healthsource	58.0%	58.5%	0.5%	.	.
New Hope Crystal Medical Clinic	56.3%	66.5%	10.2%	.	.
North Clinic	62.5%	80.2%	17.7%	Y	.
North Memorial	56.0%	72.8%	16.8%	Y	.
NorthPoint Health & Wellness Center	66.0%	62.3%	-3.7%	.	.
Northwest Family Physicians	76.0%	79.2%	3.2%	.	.
Olmsted Medical Center	61.5%	79.9%	18.4%	Y	.
Open Cities Health Center	42.7%	58.8%	16.1%	Y	.
Park Nicollet Health Services	70.4%	82.4%	12.1%	Y	.
Paynesville Area Health System	69.5%	75.9%	6.4%	.	.
Prairie Ridge Hospital & Health Services	68.9%	77.6%	8.7%	.	.
Quello Clinic	76.4%	80.8%	4.4%	.	.
Raiter Clinic, LTD-Integrity	60.3%	66.3%	5.9%	.	.
Ridgeview Clinics	59.3%	70.3%	11.0%	Y	.
RiverView Health	53.3%	78.4%	25.1%	Y	.
Riverwood Healthcare Center	76.6%	79.6%	2.9%	.	.
Sanford Clinic	63.0%	79.8%	16.9%	Y	.
Sanford Health	67.2%	78.6%	11.4%	Y	.
Scenic Rivers Health Services	76.2%	80.2%	4.0%	.	.
St. Cloud Medical Group	55.4%	76.4%	21.1%	Y	Y
St. Joseph's Medical Center Clinics	56.8%	72.4%	15.6%	Y	.
St. Luke's Clinics	57.8%	78.2%	20.5%	Y	.
St. Mary's Duluth Clinic Health System dba Essentia Health - East	63.6%	79.5%	15.9%	Y	.
Stillwater Medical Group	55.6%	71.2%	15.6%	Y	.
Tri-County Hospital	59.8%	53.8%	-5.9%	.	Y*
United Family Medicine	45.7%	62.6%	16.9%	Y	.
Unity Family Healthcare - Avon	60.8%	77.1%	16.3%	Y	.
University of Minnesota Physicians	49.6%	75.0%	25.4%	Y	Y
West Side Community Health Services	55.4%	59.1%	3.7%	.	.
Winona Health	56.9%	72.2%	15.3%	Y	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Cervical Cancer Screening

One hundred twenty-one 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 7 percentage points and is statistically significant. This means that the Cervical Cancer Screening statewide rate for MHCP patients (71 percent) was significantly lower than that of Other Purchasers (77 percent).

One hundred seven of the medical groups had rates for MHCP patients that were lower than Other Purchasers; fifty-nine of these medical groups had rates for MHCP patients that were significantly lower than Other Purchasers. Fourteen of the one hundred seven 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, eighteen medical groups had purchaser gaps that were significantly different than the statewide gap. Six of these medical groups had a gap significantly bigger than the statewide gap; twelve medical groups had gaps significantly smaller than the statewide gap and eight of these groups had a higher MHCP performance rate higher than Other Purchasers (see Column 6).

The six 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 (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.

- Brainerd Specialty Clinic
- Central Lakes Medical Clinic
- NorthPoint Health and Wellness Center
- Planned Parenthood of Minnesota, North Dakota, South Dakota
- Riverwood Healthcare Center
- St. Paul Family Medical Center

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	70.6%	77.1%	6.5%	Y	
7 Day Clinic	50.0%	63.0%	13.0%	.	.
Advanced Specialty Care for Women	98.0%	100.0%	2.0%	.	.
Affiliated Community Medical Centers	75.9%	82.2%	6.3%	Y	.
Alexandria Clinic	74.0%	81.5%	7.5%	Y	.
Allina Health System	71.0%	82.1%	11.2%	Y	Y
Allina Medical Clinic	73.5%	81.2%	7.7%	Y	.
Altru Health System	72.7%	77.7%	5.0%	Y	.
Apple Valley Medical Clinic	68.2%	80.1%	11.9%	Y	.
Aspen Medical Group	78.5%	81.1%	2.7%	Y	Y*
Avera Medical Group	74.7%	81.2%	6.5%	Y	.
Bloomington Lake Clinic	76.1%	83.5%	7.4%	Y	.
Brainerd Specialty Clinic	86.1%	79.3%	-6.8%	Y	Y*
Broadway Medical Center	67.0%	75.0%	8.0%	Y	.
Buffalo Clinic	79.3%	83.6%	4.3%	Y	.
CCMH-Montevideo Clinic	77.1%	78.1%	1.0%	.	.
CentraCare Health System	79.8%	85.6%	5.8%	Y	.
Central Lakes Medical Clinic	75.0%	73.1%	-2.0%	.	Y*
Clearwater Health Services	60.7%	71.7%	11.0%	.	.
Community University Health Care Center	79.3%	83.8%	4.4%	.	.
Dawson Clinic	85.7%	88.1%	2.4%	.	.
Dulcimer Medical Center	82.0%	84.9%	2.9%	.	.
Duluth Family Practice Center- Integrity	77.3%	73.2%	-4.1%	.	.
Edina Family Physicians	89.6%	89.6%	0.1%	.	.
Edina Sports Health & Wellness	81.3%	85.6%	4.3%	.	.
Essentia Health Ada	65.5%	62.8%	-2.7%	.	.
Essentia Health St. Mary's	79.9%	81.2%	1.3%	.	.
Fairview Medical Group	77.2%	82.3%	5.2%	Y	.
Fairview Mesaba Clinic	65.6%	75.1%	9.5%	Y	.
Fairview Red Wing Health Services	73.9%	81.0%	7.1%	Y	.
Family HealthServices Minnesota	72.8%	76.0%	3.2%	.	.
Family Practice Medical Center of Willmar	78.6%	82.7%	4.1%	.	.
FamilyHealth Medical Clinics	69.7%	78.2%	8.5%	.	.
First Care Medical Services	73.6%	79.0%	5.4%	.	.
Foley Medical Center	66.0%	71.9%	5.8%	.	.
Gateway Family Health Clinic	59.5%	68.6%	9.1%	Y	.
Glencoe Regional Health Services	76.8%	79.4%	2.6%	.	.
Glenwood Medical Center	60.8%	73.1%	12.3%	Y	.

Y = Yes, statistical significance
 * = Smaller 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	70.6%	77.1%	6.5%	Y	
Grand Itasca Clinic	73.2%	73.3%	0.1%	.	Y*
Gundersen Lutheran	69.3%	81.3%	12.0%	Y	.
HealthEast Clinics	76.3%	82.2%	5.9%	Y	.
HealthPartners Central Minnesota Clinics	84.0%	84.1%	0.2%	.	Y*
HealthPartners Clinics	83.0%	85.5%	2.5%	Y	Y*
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	76.7%	81.7%	5.0%	Y	.
Hutchinson Medical Center	66.5%	70.4%	3.9%	.	.
Innovis Health LLC DBA Essentia Health West	71.2%	78.7%	7.5%	Y	.
John A. Haugen Associates, PA	91.7%	96.6%	4.9%	.	.
Kittson Memorial Clinic	68.6%	65.1%	-3.5%	.	.
Lac Qui Parle Clinic	61.5%	71.0%	9.5%	.	.
Lake Region Medical Group PA	64.5%	75.7%	11.2%	Y	.
Lake View Clinic - Two Harbors	41.0%	52.0%	11.0%	.	.
Lakeview Clinic	72.9%	81.8%	9.0%	Y	.
Lakeview Medical Clinic	72.3%	78.7%	6.4%	.	.
Lakewood Health Center Clinic	52.9%	74.6%	21.7%	Y	.
Lakewood Health System	77.9%	79.9%	2.0%	.	.
Mankato Clinic, Ltd.	77.3%	81.1%	3.9%	Y	.
Mayo Clinic	71.4%	74.9%	3.5%	.	.
Mayo Clinic Health System-Albert Lea	61.0%	67.1%	6.1%	Y	.
Mayo Clinic Health System-Austin	70.1%	74.7%	4.6%	Y	.
Mayo Clinic Health System-Cannon Falls	68.2%	73.6%	5.4%	.	.
Mayo Clinic Health System-Fairmont	67.2%	75.3%	8.1%	Y	.
Mayo Clinic Health System-Faribault	77.9%	79.1%	1.2%	.	.
Mayo Clinic Health System-Franciscan Medical Center, Inc.	64.2%	72.6%	8.4%	.	.
Mayo Clinic Health System-Lake City	62.7%	72.2%	9.5%	.	.
Mayo Clinic Health System-Mankato	70.8%	75.4%	4.6%	Y	.
Mayo Clinic Health System-Owatonna	70.0%	75.1%	5.2%	Y	.
Mid Minnesota Family Medicine Center	65.0%	75.0%	10.0%	.	.
Mille Lacs Health System	67.3%	70.4%	3.1%	.	.
MinuteClinic	62.7%	69.3%	6.6%	.	.
Multicare Associates	74.0%	79.3%	5.3%	Y	.
Murray County Clinic	57.8%	69.3%	11.5%	.	.
Neighborhood Healthsource	77.6%	78.5%	0.8%	.	.
New Hope Crystal Medical Clinic	57.1%	69.0%	11.9%	.	.
North Clinic	74.2%	82.5%	8.3%	Y	.
North Memorial	72.9%	78.9%	6.0%	Y	.

Y = Yes, statistical significance
 * = Smaller 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	70.6%	77.1%	6.5%	Y	
Northland Ob/Gyn Assoc.	79.5%	89.9%	10.4%	.	.
NorthPoint Health & Wellness Center	77.0%	72.0%	-5.0%	.	Y*
Northwest Family Physicians	74.4%	79.9%	5.4%	.	.
Now Care Medical Centers	53.9%	58.5%	4.7%	.	.
Oakdale Ob/Gyn	89.4%	96.9%	7.5%	Y	.
Obstetrics and Gynecology Associates	94.7%	96.2%	1.5%	.	.
Obstetrics, Gynecology & Infertility	97.1%	98.3%	1.1%	.	.
Olmsted Medical Center	69.9%	75.8%	6.0%	Y	.
Open Cities Health Center	67.6%	61.7%	-5.9%	.	Y*
Park Nicollet Health Services	78.5%	85.2%	6.7%	Y	.
Parkview Medical Clinic	72.7%	81.1%	8.4%	.	.
Partners Ob/Gyn	85.3%	97.2%	11.9%	Y	.
Paul Larson Ob/Gyn Clinic	100.0%	98.1%	-1.9%	.	.
Paynesville Area Health System	70.0%	74.8%	4.8%	.	.
Planned Parenthood of Minnesota, North Dakota, South Dakota	88.5%	87.1%	-1.4%	.	Y*
Prairie Ridge Hospital & Health Services	67.8%	73.7%	5.9%	.	.
Quello Clinic	79.5%	83.1%	3.6%	.	.
Raiter Clinic, LTD-Integrity	59.1%	70.9%	11.8%	Y	.
Renville County Hospital and Clinics	66.3%	70.9%	4.6%	.	.
Ridgeview Clinics	71.2%	77.0%	5.8%	.	.
RiverView Health	56.1%	76.0%	19.8%	Y	Y
Riverwood Healthcare Center	74.1%	71.6%	-2.6%	.	Y*
Sanford Clinic	75.5%	83.2%	7.7%	Y	.
Sanford Health	74.0%	80.1%	6.1%	Y	.
Sawtooth Mountain Clinic	44.1%	73.4%	29.4%	Y	Y
Scenic Rivers Health Services	64.7%	75.5%	10.8%	Y	.
Sibley Medical Center	72.2%	68.9%	-3.3%	.	.
Southern Metro Medical Clinics	61.1%	74.4%	13.3%	Y	.
Southside Community Health Services	63.0%	79.3%	16.2%	Y	.
St. Cloud Medical Group	74.2%	81.1%	7.0%	Y	.
St. Croix Regional Medical Clinic	72.5%	75.0%	2.5%	.	.
St. Joseph's Medical Center Clinics	61.5%	69.4%	7.8%	Y	.
St. Luke's Clinics	61.0%	72.5%	11.5%	Y	Y
SMDC Health System dba Essentia Health - East Region	67.0%	75.8%	8.9%	Y	.
St. Paul Family Medical Center	76.7%	58.5%	-18.2%	Y	Y*
Stevens Community Medical Center	61.6%	77.1%	15.5%	Y	.
Stillwater Medical Group	70.5%	76.8%	6.3%	Y	.
SuperiorHealth Center	56.1%	75.1%	19.0%	Y	Y
Target Clinic	34.4%	73.2%	38.8%	Y	Y
Tri-County Hospital	67.0%	59.9%	-7.1%	Y	Y*
United Family Medicine	73.7%	77.0%	3.3%	.	.
United Hospital District Clinic	48.2%	63.3%	15.1%	Y	.
Unity Family Healthcare - Avon	73.5%	79.7%	6.1%	Y	.
University of Minnesota Physicians	77.0%	81.9%	4.9%	Y	.
West Side Community Health Services	71.9%	71.4%	-0.5%	.	.
Williams Integracare Clinic	60.3%	77.6%	17.3%	Y	.
Winona Health	71.0%	75.9%	4.9%	Y	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within
 Medical Group than the
 statewide gap

Colorectal Cancer Screening

Two hundred fifty-six 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 Colorectal Cancer Screening statewide rate for MHCP patients (47 percent) was significantly lower than that of Other Purchasers (67 percent).

Two hundred forty-seven of the clinics had rates for MHCP patients that were lower than Other Purchasers; of these clinics, one hundred eighty-four had significant gaps between purchasers (see Column 5). This means that one hundred eighty-four clinics had significantly lower performance rates compared to Other Purchasers. Eight 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. Seven clinics had a significantly bigger purchaser gap than the statewide gap; eighty-five clinics had a significantly smaller purchaser gap than the statewide gap and of the eighty-five, eight of them had a MHCP rate that was higher than its Other Purchasers rate (see Column 6).

The three 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 (47%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (19%). Table 46 summarizes these findings.

- Fairview Jonathan Clinic
- Lakewood Health System - Staples 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	47.4%	66.6%	19.2%	Y	
Affiliated Community Medical Centers - Benson Clinic	53.8%	67.5%	13.7%	Y	.
Affiliated Community Medical Centers - Granite Falls Clinic	45.8%	61.8%	16.0%	Y	.
Affiliated Community Medical Centers - Litchfield Clinic (East)	50.5%	68.0%	17.6%	Y	.
Affiliated Community Medical Centers - Litchfield Clinic (West)	46.9%	61.2%	14.3%	Y	.
Affiliated Community Medical Centers - Marshall Clinic (Market)	52.3%	66.2%	14.0%	Y	.
Affiliated Community Medical Centers - New London Clinic	68.8%	74.2%	5.4%	.	.
Affiliated Community Medical Centers - Redwood Falls Clinic	49.5%	66.5%	17.0%	Y	.
Affiliated Community Medical Centers - Willmar Clinic	60.2%	82.4%	22.2%	Y	.
Allina Health System - New Ulm Medical Center	39.8%	49.2%	9.4%	Y	Y*
Allina Medical Clinic - Annandale	23.8%	30.4%	6.7%	.	Y *
Allina Medical Clinic - Blaine	39.0%	56.2%	17.3%	Y	.
Allina Medical Clinic - Brooklyn Park	34.9%	53.7%	18.8%	Y	.
Allina Medical Clinic - Buffalo	52.8%	64.8%	12.0%	Y	Y*
Allina Medical Clinic - Cambridge Medical Center	44.8%	62.2%	17.4%	Y	.
Allina Medical Clinic - Champlin	48.1%	56.0%	7.9%	Y	Y*
Allina Medical Clinic - Cokato	35.2%	46.7%	11.5%	.	.
Allina Medical Clinic - Coon Rapids	37.7%	53.9%	16.3%	Y	.
Allina Medical Clinic - Cottage Grove	35.5%	51.5%	16.0%	Y	.
Allina Medical Clinic - Crossroads Chaska	51.7%	61.7%	10.0%	.	.
Allina Medical Clinic - Crossroads Prior Lake	36.8%	55.8%	18.9%	Y	.
Allina Medical Clinic - Crossroads Shakopee Dean Lakes	33.3%	56.1%	22.8%	Y	.
Allina Medical Clinic - Eagan	42.1%	59.4%	17.3%	Y	.
Allina Medical Clinic - Edina	34.1%	69.5%	35.4%	Y	Y
Allina Medical Clinic - Elk River	58.3%	65.0%	6.7%	.	Y*
Allina Medical Clinic - Faribault	39.5%	55.4%	15.8%	Y	.
Allina Medical Clinic - Farmington	40.4%	59.0%	18.6%	Y	.
Allina Medical Clinic - Forest Lake	32.9%	50.7%	17.8%	Y	.
Allina Medical Clinic - Hastings (Nininger)	39.1%	58.2%	19.1%	Y	.
Allina Medical Clinic - Hastings (W First St)	34.1%	54.2%	20.1%	Y	.
Allina Medical Clinic - Isles	44.0%	57.1%	13.2%	Y	.
Allina Medical Clinic - Maple Grove	32.6%	54.0%	21.4%	Y	.
Allina Medical Clinic - Nicollet Mall	44.4%	60.3%	15.9%	Y	.
Allina Medical Clinic - North Branch	41.2%	60.8%	19.6%	Y	.
Allina Medical Clinic - Northfield	38.0%	55.7%	17.7%	Y	.
Allina Medical Clinic - Ob/Gyn Specialists	32.0%	73.1%	41.1%	Y	Y
Allina Medical Clinic - Parkview Ob/Gyn St. Paul	31.4%	54.1%	22.6%	Y	.
Allina Medical Clinic - Ramsey	39.0%	52.3%	13.4%	Y	.
Allina Medical Clinic - Shakopee	26.8%	46.9%	20.0%	Y	.
Allina Medical Clinic - Shoreview	45.4%	61.9%	16.5%	Y	.
Allina Medical Clinic - St. Michael	37.7%	40.0%	2.3%	.	Y*
Allina Medical Clinic - The Doctors Uptown	64.3%	70.8%	6.5%	.	Y*
Allina Medical Clinic - United Medical Specialties	48.2%	51.7%	3.6%	.	Y*
Allina Medical Clinic - West Health Campus	44.2%	56.5%	12.3%	Y	.
Allina Medical Clinic - West St. Paul	36.1%	55.4%	19.2%	Y	.
Allina Medical Clinic - Women's Health	33.3%	54.9%	21.6%	Y	.
Allina Medical Clinic - Woodbury	39.2%	54.1%	14.9%	Y	.
Allina Medical Clinic - Woodlake	46.2%	62.6%	16.5%	Y	.
Aspen Medical Group - Bandana Square	32.8%	44.5%	11.7%	Y	Y*
Aspen Medical Group - Bloomington	25.9%	34.6%	8.6%	Y	Y*
Aspen Medical Group - East Lake Street	20.0%	41.1%	21.1%	Y	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

**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	47.4%	66.6%	19.2%	Y	
Aspen Medical Group - Highland	54.8%	58.5%	3.7%	.	Y*
Aspen Medical Group - Hopkins	35.0%	43.1%	8.1%	.	.
Aspen Medical Group - Inver Grove Heights	24.7%	34.1%	9.4%	.	Y*
Aspen Medical Group - Maplewood	18.9%	34.8%	15.9%	Y	.
Bloomington Lake Clinic - Xerxes	20.2%	31.0%	10.9%	Y	Y*
CentraCare - Becker	52.4%	76.3%	23.9%	Y	.
CentraCare - Heartland	57.5%	81.6%	24.1%	Y	.
CentraCare - St. Joseph	75.6%	76.9%	1.3%	.	Y*
CentraCare Health Plaza-Family Medicine	63.2%	78.5%	15.3%	Y	.
CentraCare Health Plaza-Internal Medicine	63.6%	82.4%	18.8%	Y	.
CentraCare Health Plaza-Women & Children OB/GYN	71.4%	80.2%	8.7%	.	.
CentraCare Health System Long Prairie	59.6%	76.6%	17.0%	Y	.
CentraCare Health System Melrose	59.3%	81.5%	22.1%	Y	.
CentraCare River Campus-Internal Medicine	76.6%	84.9%	8.3%	Y	Y*
Essentia Health - Ashland Clinic	41.5%	55.0%	13.5%	Y	.
Essentia Health - Aurora Clinic	38.1%	54.5%	16.4%	Y	.
Essentia Health - Deer River Clinic	61.2%	71.6%	10.5%	Y	Y*
Essentia Health - Duluth Clinic 1st St	57.8%	80.7%	22.9%	Y	.
Essentia Health - Ely Clinic	56.9%	65.5%	8.6%	.	Y
Essentia Health - Hayward Clinic	53.5%	67.7%	14.1%	Y	.
Essentia Health - Hermantown Clinic	48.9%	73.8%	24.9%	Y	.
Essentia Health - Hibbing Clinic	37.3%	51.9%	14.6%	Y	.
Essentia Health - Lakeside Clinic	41.8%	70.3%	28.4%	Y	.
Essentia Health - Spooner Clinic	41.0%	60.9%	19.9%	Y	.
Essentia Health - St. Mary's-Superior Clinic	55.4%	72.1%	16.7%	Y	.
Essentia Health - Virginia Clinic	41.8%	55.2%	13.4%	Y	.
Essentia Health - West Duluth Clinic	55.8%	75.0%	19.2%	Y	.
Fairview Andover Clinic	51.7%	64.6%	12.9%	Y	.
Fairview Blaine Clinic	57.7%	68.8%	11.1%	.	.
Fairview Brooklyn Park Clinic	57.3%	74.0%	16.7%	Y	.
Fairview CedarRidge Clinic	56.5%	75.7%	19.3%	Y	.
Fairview Chisago Lakes Clinic	57.9%	70.3%	12.5%	Y	.
Fairview Columbia Heights Clinic	48.8%	66.1%	17.3%	Y	.
Fairview Crosstown Clinic	64.2%	77.9%	13.7%	Y	.
Fairview Eagan Clinic	65.3%	83.3%	18.0%	Y	.
Fairview EdenCenter Clinic	61.3%	82.9%	21.7%	Y	.
Fairview Elk River Clinic	55.4%	74.3%	18.9%	Y	.
Fairview Fridley Clinic	61.9%	75.7%	13.7%	Y	.
Fairview Hiawatha Clinic	71.9%	74.5%	2.6%	.	Y*
Fairview Highland Park Clinic	63.2%	71.8%	8.6%	.	.
Fairview Jonathan Clinic	76.5%	74.5%	-2.0%	.	Y*
Fairview Lakes Medical Center	59.0%	73.6%	14.6%	Y	.
Fairview Lino Lakes Clinic	55.6%	68.9%	13.4%	.	.
Fairview Milaca Clinic	63.4%	75.3%	11.9%	Y	.
Fairview North Branch Clinic	50.9%	70.3%	19.3%	Y	.
Fairview Northeast Clinic	67.6%	74.9%	7.3%	.	Y*
Fairview Oxboro Clinic	79.5%	80.8%	1.3%	.	Y*
Fairview Pine City Clinic	65.6%	67.2%	1.6%	.	.
Fairview Princeton Clinic	66.2%	77.1%	10.9%	Y	Y*
Fairview Red Wing Medical Center	61.8%	72.8%	11.0%	Y	Y*

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

**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	47.4%	66.6%	19.2%	Y	
Fairview Ridges Clinic	58.7%	81.5%	22.8%	Y	.
Fairview RidgeValley Clinic	82.1%	84.3%	2.2%	.	Y*
Fairview Rush City Clinic	52.1%	64.9%	12.8%	Y	.
Fairview Uptown Clinic	57.7%	78.3%	20.6%	Y	.
Fairview Zimmerman Clinic	63.8%	72.7%	8.9%	.	.
Family HealthServices Minnesota - Afton Road	55.0%	77.3%	22.3%	Y	.
Family HealthServices Minnesota - Banning Avenue	59.3%	67.3%	7.9%	.	.
Family HealthServices Minnesota - Gorman Clinic	50.0%	65.3%	15.3%	Y	.
Family HealthServices Minnesota - Highland Family Physicians	61.4%	74.9%	13.5%	Y	.
Family HealthServices Minnesota - Inver Grove Heights	48.0%	65.8%	17.8%	Y	.
Family HealthServices Minnesota - Larpenteur Clinic	57.3%	65.5%	8.1%	.	.
Family HealthServices Minnesota - Maryland Clinic	37.4%	59.0%	21.6%	Y	.
Family HealthServices Minnesota - North St. Paul Clinic	40.0%	62.7%	22.7%	Y	.
Family HealthServices Minnesota - Shoreview	43.6%	64.8%	21.2%	Y	.
Family HealthServices Minnesota - Vadnais Heights Office	52.2%	67.8%	15.6%	Y	.
Family HealthServices Minnesota - Woodbury Office	45.3%	67.7%	22.3%	Y	.
Family Practice Medical Center of Willmar	50.5%	74.7%	24.2%	Y	.
FamilyHealth Medical Clinic - Northfield	48.5%	69.0%	20.5%	Y	.
FirstLight Health System - Hinckley	45.3%	45.7%	0.4%	.	Y*
FirstLight Health System - Mora	33.3%	45.2%	11.9%	Y	Y*
FirstLight Health System - Pine City	24.2%	36.9%	12.7%	.	.
France Avenue Family Physicians	42.5%	48.5%	6.0%	.	Y*
Gateway Family Health Clinic - Moose Lake	51.6%	70.0%	18.4%	Y	.
Gateway Family Health Clinic - Sandstone	38.9%	49.5%	10.6%	Y	.
HealthEast - Cottage Grove	49.0%	73.7%	24.7%	Y	.
HealthEast - Downtown St. Paul	55.7%	79.3%	23.6%	Y	.
HealthEast - Grand Avenue	50.5%	71.5%	21.0%	Y	.
HealthEast - Maplewood	63.6%	74.5%	10.9%	.	.
HealthEast - Midway	60.6%	80.4%	19.8%	Y	.
HealthEast - Oakdale	59.1%	74.5%	15.4%	Y	.
HealthEast - Rice Street	33.5%	70.6%	37.2%	Y	Y
HealthEast - Roselawn	42.4%	63.6%	21.1%	Y	.
HealthEast - Vadnais Heights	64.6%	79.1%	14.5%	Y	.
HealthEast - Woodbury	60.4%	82.0%	21.6%	Y	.
HealthPartners - Adult & Seniors Health	58.7%	75.1%	16.4%	Y	.
HealthPartners - Andover (Riverway Clinics)	54.3%	62.7%	8.4%	.	Y*
HealthPartners - Anoka (Riverway Clinics)	51.2%	68.1%	17.0%	Y	.
HealthPartners - Apple Valley	55.3%	76.8%	21.6%	Y	.
HealthPartners - Arden Hills	63.4%	77.8%	14.3%	Y	.
HealthPartners - Bloomington	52.0%	74.5%	22.5%	Y	.
HealthPartners - Brooklyn Center	56.3%	72.6%	16.3%	Y	.
HealthPartners - Center for International Health	56.2%	67.5%	11.3%	Y	Y*
HealthPartners - Como	51.5%	77.9%	26.4%	Y	.
HealthPartners - Coon Rapids	59.9%	75.3%	15.4%	Y	.
HealthPartners - Elk River (Riverway Clinics)	64.0%	68.3%	4.3%	.	Y*
HealthPartners - Health Center for Women	68.4%	80.9%	12.5%	Y	.
HealthPartners - Inver Grove Heights	58.4%	71.2%	12.7%	Y	.
HealthPartners - Lino Lakes (NSFP)	65.9%	69.9%	4.0%	.	Y*
HealthPartners - Maplewood	56.8%	76.9%	20.1%	Y	.
HealthPartners - Midway (St. Paul)	45.2%	71.5%	26.2%	Y	Y

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

**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	47.4%	66.6%	19.2%	Y	
HealthPartners - Riverside	47.1%	70.4%	23.3%	Y	.
HealthPartners - Roseville (NSFP)	44.4%	69.6%	25.2%	Y	.
HealthPartners - St. Paul (Wabasha St.)	47.2%	70.0%	22.8%	Y	.
HealthPartners - West (St. Louis Park)	53.6%	75.0%	21.5%	Y	.
HealthPartners - White Bear Lake	63.8%	79.8%	16.0%	Y	.
HealthPartners - Woodbury	54.8%	75.5%	20.7%	Y	.
HealthPartners Central Minnesota Clinics	46.7%	78.6%	31.9%	Y	Y
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Center	30.8%	30.9%	0.1%	.	Y*
Hennepin County Medical Center (HCMC) Clinics - Brooklyn Park	18.8%	30.0%	11.3%	.	.
Hennepin County Medical Center (HCMC) Clinics - Downtown Med.	37.2%	43.9%	6.8%	Y	Y*
Hennepin County Medical Center (HCMC) Clinics - East Lake Clinic	28.0%	17.4%	-10.7%	.	Y*
Hennepin County Medical Center (HCMC) Clinics - Senior Care	45.1%	26.7%	-18.4%	.	Y*
Hennepin County Medical Center (HCMC) Clinics - Int. Parkside	46.0%	62.2%	16.1%	Y	.
Hennepin County Medical Center (HCMC) Clinics - Richfield Clinic	30.8%	17.7%	-13.1%	Y	Y*
Hennepin County Medical Center (HCMC) Clinics - Whittier Clinic	26.0%	19.3%	-6.7%	Y	Y*
Hutchinson Medical Center	49.0%	70.6%	21.7%	Y	.
LakeWood Health Center Clinic	31.5%	60.5%	29.0%	Y	.
Lakewood Health System - Staples Clinic	65.6%	62.1%	-3.5%	.	Y*
Mayo Clinic - Baldwin Building, Family Medicine	65.8%	85.0%	19.3%	Y	.
Mayo Clinic - Baldwin Building, Primary Care Internal Medicine	59.1%	68.9%	9.8%	Y	Y*
Mayo Clinic - Kasson	61.5%	79.3%	17.7%	Y	.
Mayo Clinic - Northeast	58.0%	84.0%	26.0%	Y	.
Mayo Clinic - Speciality Practice	46.4%	63.2%	16.8%	Y	.
Mayo Clinic Health System Fairmont	46.5%	46.9%	0.5%	.	Y*
Mayo Clinic Health System Le Sueur	51.4%	59.5%	8.1%	.	.
Mayo Clinic Health System Madelia	37.8%	52.5%	14.7%	.	.
Mayo Clinic Health System Mankato Eastridge	64.0%	80.1%	16.1%	Y	.
Mayo Clinic Health System Mankato Northridge	59.1%	78.9%	19.8%	Y	.
Mayo Clinic Health System Mankato Specialty Clinic	71.2%	76.1%	4.9%	.	Y*
Mayo Clinic Health System Springfield	69.2%	71.8%	2.6%	.	Y*
Mayo Clinic Health System St. James	49.1%	51.6%	2.5%	.	Y*
Mayo Clinic Health System St. Peter	47.4%	75.1%	27.8%	Y	.
Mayo Clinic Health System Waseca	46.5%	62.1%	15.6%	Y	.
Mid Minnesota Family Medicine Center	44.0%	61.9%	17.8%	Y	.
North Memorial Clinic - Brooklyn Center Physicians	43.5%	63.8%	20.3%	Y	.
North Memorial Clinic - Brooklyn Park Physicians	36.9%	55.2%	18.3%	Y	.
North Memorial Clinic - Camden Physicians, Plymouth	30.0%	57.5%	27.5%	Y	.
North Memorial Clinic - Elk River Physicians	43.3%	42.0%	-1.3%	.	Y*
North Memorial Clinic - Golden Valley Physicians	40.4%	53.2%	12.8%	.	.
North Memorial Clinic - Minnetonka Physicians	48.9%	61.0%	12.1%	.	.
North Memorial Clinic - Northeast Family Physicians	18.8%	34.0%	15.2%	.	.
Northwest Family Physicians - Crystal	46.5%	60.3%	13.7%	Y	.
Northwest Family Physicians - Plymouth	53.3%	68.0%	14.6%	.	.
Olmsted Medical Center - Preston Clinic	48.5%	64.5%	16.0%	.	.
Olmsted Medical Center - Rochester Southeast	48.6%	70.9%	22.2%	Y	.
Olmsted Medical Center - Spring Valley Clinic	64.5%	68.6%	4.1%	.	.
Olmsted Medical Center - Stewartville Clinic	50.0%	57.7%	7.7%	.	.
Park Nicollet Clinic - Bloomington	68.3%	74.2%	6.0%	.	Y*
Park Nicollet Clinic - Brookdale	59.1%	76.0%	16.9%	Y	.
Park Nicollet Clinic - Burnsville	59.4%	76.0%	16.6%	Y	.
Park Nicollet Clinic - Carlson	74.4%	82.8%	8.3%	Y	Y*
Park Nicollet Clinic - Chanhassen	60.6%	75.0%	14.5%	Y	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

**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	47.4%	66.6%	19.2%	Y	
Park Nicollet Clinic - Creekside	50.6%	76.8%	26.2%	Y	.
Park Nicollet Clinic - Eagan	66.9%	78.4%	11.4%	Y	.
Park Nicollet Clinic - Golden Valley	62.2%	75.4%	13.2%	Y	.
Park Nicollet Clinic - Maple Grove	55.9%	76.1%	20.3%	Y	.
Park Nicollet Clinic - Minneapolis	41.0%	72.0%	31.1%	Y	Y
Park Nicollet Clinic - Plymouth	64.4%	80.6%	16.3%	Y	.
Park Nicollet Clinic - Prairie Center	52.6%	67.8%	15.2%	Y	.
Park Nicollet Clinic - Prior Lake	48.3%	49.8%	1.6%	.	Y*
Park Nicollet Clinic - Shakopee	41.2%	53.4%	12.2%	Y	.
Park Nicollet Clinic - Shorewood	66.7%	77.1%	10.4%	.	.
Park Nicollet Clinic - St. Louis Park Family Medicine	64.9%	74.5%	9.7%	Y	Y*
Park Nicollet Clinic - St. Louis Park Internal Medicine	66.9%	83.6%	16.7%	Y	.
Park Nicollet Clinic - Wayzata	48.4%	52.1%	3.8%	.	Y*
Quello Clinic - Burnsville	57.0%	63.8%	6.8%	.	Y*
Quello Clinic - Edina	59.0%	74.7%	15.7%	Y	.
Quello Clinic - Lakeville	52.4%	71.2%	18.8%	Y	.
Rainy Lake Medical Center	36.2%	53.5%	17.3%	Y	.
Ridgeview Chanhassen Clinic	47.2%	58.3%	11.1%	.	.
Ridgeview Delano Clinic	46.0%	52.4%	6.5%	.	.
Ridgeview Westonka Clinic	54.9%	58.3%	3.4%	.	Y*
Ridgeview Winsted Clinic	36.1%	40.4%	4.3%	.	Y*
Sanford Bemidji 1705 Anne St Clinic	50.5%	73.2%	22.7%	Y	.
Sanford Bemidji Main Clinic Family Medicine	57.8%	80.2%	22.4%	Y	.
Sanford Bemidji Main Clinic Internal Medicine	59.3%	80.0%	20.6%	Y	.
Sanford Black Duck Clinic	68.8%	86.2%	17.4%	Y	.
Sanford Broadway Internal Medicine Clinic	64.6%	79.4%	14.8%	Y	.
Sanford Clinic - Jackson	46.0%	50.3%	4.4%	.	.
Sanford Clinic - Luverne	58.7%	71.4%	12.7%	Y	.
Sanford Clinic - Mountain Lake	41.0%	52.0%	11.0%	.	.
Sanford Clinic - Worthington	54.4%	64.9%	10.5%	Y	.
Sanford Detroit Lakes Clinic	62.8%	74.6%	11.8%	Y	.
Sanford East Grand Forks Clinic	23.8%	32.9%	9.1%	.	Y*
Sanford Jamestown Clinic	54.0%	70.3%	16.3%	Y	.
Sanford New York Mills Clinic	48.6%	72.6%	24.0%	Y	.
Sanford Pelican Rapids Clinic	35.0%	53.9%	18.9%	Y	.
Sanford Perham Clinic	57.7%	74.0%	16.3%	Y	.
Sanford South Moorhead Family Medicine	51.4%	74.6%	23.3%	Y	.
Sanford South Moorhead Internal Medicine	60.7%	87.6%	27.0%	Y	.
Sanford Southpointe Family Medicine	40.2%	66.9%	26.6%	Y	.
Sanford Southpointe Internal Medicine	48.2%	79.5%	31.4%	Y	.
Sanford Thief River Falls Clinic	59.0%	67.9%	9.0%	.	.
Sanford Valley City Clinic	34.4%	65.5%	31.1%	Y	.
Sanford Wahpeton Clinic	53.7%	53.8%	-0.1%	.	Y*
Sanford Walker Clinic	45.3%	61.9%	16.6%	Y	.
Scenic Rivers Health Services - Bigfork/Big Falls	42.1%	62.9%	20.9%	Y	.
Scenic Rivers Health Services - Cook	26.7%	31.6%	4.9%	.	Y*
Stillwater Medical Group - Curve Crest Clinic	53.9%	71.2%	17.3%	Y	.
Stillwater Medical Group - Somerset Clinic	40.7%	47.4%	6.7%	.	.
University of Minnesota Physicians - Bethesda Clinic	25.1%	34.2%	9.1%	Y	Y*
University of Minnesota Physicians - Broadway Family Medicine	23.5%	22.8%	-0.7%	.	Y*
University of Minnesota Physicians - Phalen Clinic	23.7%	39.3%	15.6%	Y	.
University of Minnesota Physicians - Primary Care Center	52.5%	67.0%	14.4%	Y	.
University of Minnesota Physicians - Smiley's Clinic	34.4%	57.9%	23.5%	Y	.
University of Minnesota Physicians - Women's Health Specialists	25.0%	40.0%	15.0%	.	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

Chlamydia Screening

Seventy-one 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 11 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 (47 percent).

Eight of the medical groups had rates for MHCP patients that were lower than Other Purchasers; sixty-three of the medical groups had rates for MHCP patients that were higher than Other Purchasers (designated with negative signs in Column 4); thirty three of the seventy-one 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, fifteen 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; fourteen medical groups had gaps significantly smaller than the statewide gap and ten of these groups had a higher MHCP performance rate than Other Purchasers (see Column 6).

The nine 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 (11%). Table 47 summarizes these findings.

- Allina Health System
- Allina Medical Clinic
- Children's Hospitals and Clinics of Minnesota
- Fairview Medical Group
- HealthPartners Clinics
- Partners in Pediatrics
- Ridgeview Clinics
- 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	57.5%	46.5%	-10.9%	Y	
Affiliated Community Medical Centers	60.2%	46.9%	-13.3%	Y	.
Alexandria Clinic	29.8%	17.5%	-12.4%	Y	.
Allina Health System	59.4%	37.4%	-22.0%	Y	Y*
Allina Medical Clinic	61.3%	55.1%	-6.3%	Y	Y*
Altru Health System	27.2%	20.8%	-6.4%	.	.
Apple Valley Medical Clinic	56.3%	43.7%	-12.5%	.	.
Aspen Medical Group	62.8%	55.0%	-7.8%	Y	.
Avera Medical Group	46.1%	28.1%	-18.0%	Y	.
Brainerd Specialty Clinic	41.7%	42.9%	1.2%	.	.
Broadway Medical Center	37.5%	23.5%	-14.0%	.	.
Buffalo Clinic	49.6%	43.6%	-5.9%	.	.
CentraCare Health System	67.6%	50.7%	-16.9%	Y	.
Central Lakes Medical Clinic	40.7%	38.0%	-2.7%	.	.
Children's Hospitals and Clinics of Minnesota	76.0%	49.2%	-26.7%	Y	Y*
Community University Health Care Center	69.0%	47.7%	-21.3%	Y	.
Duluth Family Practice Center- Integrity	71.4%	61.0%	-10.5%	.	.
Essentia Health St. Mary's	37.0%	24.4%	-12.5%	.	.
Fairview Medical Group	65.2%	58.6%	-6.6%	Y	Y*
Fairview Mesaba Clinic	55.8%	42.9%	-13.0%	.	.
Fairview Red Wing Health Services	62.3%	45.2%	-17.1%	Y	.
Family HealthServices Minnesota	62.5%	58.8%	-3.8%	.	.
Family Practice Medical Center of Willmar	56.9%	50.0%	-6.9%	.	.
Gateway Family Health Clinic	47.3%	42.7%	-4.6%	.	.
Glencoe Regional Health Services	47.2%	41.8%	-5.4%	.	.
Grand Itasca Clinic	48.7%	40.5%	-8.1%	.	.
Gundersen Lutheran	59.6%	38.5%	-21.0%	Y	.
HealthEast Clinics	76.7%	63.3%	-13.4%	Y	.
HealthPartners Central Minnesota Clinics	66.7%	61.6%	-5.1%	.	.
HealthPartners Clinics	76.7%	70.6%	-6.1%	Y	Y*
Hennepin Faculty Associates: HFA Clinics & HCMC Clinics	79.6%	63.0%	-16.6%	Y	.
Hutchinson Medical Center	42.9%	35.3%	-7.5%	.	.
Innovis Health LLC DBA Essentia Health West	36.1%	30.7%	-5.4%	.	.
Lake Region Medical Group PA	45.2%	47.9%	2.7%	.	.
Lakeview Clinic	63.2%	55.6%	-7.5%	.	.
Lakewood Health System	15.5%	19.3%	3.8%	.	Y*
Mankato Clinic, Ltd.	60.1%	41.8%	-18.3%	Y	.

Y = Yes, statistical significance
 * = Smaller 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	57.5%	46.5%	-10.9%	Y	
Mayo Clinic	56.1%	25.60%	-23.5%	Y	Y*
Mayo Clinic Health System-Albert Lea	53.2%	48.37%	2.7%	.	Y*
Mayo Clinic Health System-Austin	48.7%	34.60%	-6.7%	.	.
Mayo Clinic Health System-Fairmont	50.0%	27.08%	-9.0%	.	.
Mayo Clinic Health System-Faribault	56.5%	55.61%	11.2%	.	Y
Mayo Clinic Health System-Franciscan Medical Center, Inc.	60.0%	34.99%	-12.6%	.	.
Mayo Clinic Health System-Mankato	54.2%	44.04%	-5.2%	.	.
Mayo Clinic Health System-Owatonna	38.7%	36.34%	3.7%	.	Y*
Multicare Associates	56.6%	31.02%	-20.1%	Y	.
North Clinic	59.3%	40.29%	-13.7%	.	.
North Memorial	64.0%	40.20%	-19.0%	Y	.
NorthPoint Health & Wellness Center	82.4%	54.22%	-12.1%	.	.
Northwest Family Physicians	65.8%	35.34%	-23.7%	Y	.
Olmsted Medical Center	43.4%	33.04%	-4.1%	.	.
Park Nicollet Health Services	67.0%	50.32%	-14.9%	Y	.
Partners in Pediatrics	70.6%	32.78%	-33.6%	Y	Y*
Paynesville Area Health System	37.1%	29.09%	0.6%	.	.
Planned Parenthood of Minnesota, North Dakota, South Dakota	63.6%	41.09%	-17.5%	Y	.
Quello Clinic	49.1%	53.27%	10.0%	.	Y*
Raiter Clinic, LTD-Integrity	50.0%	26.63%	-13.9%	.	.
Ridgeview Clinics	76.7%	34.95%	-35.5%	Y	Y*
RiverView Health	45.7%	21.09%	-13.6%	.	.
Sanford Clinic	47.4%	27.42%	-16.9%	Y	.
Sanford Health	37.3%	23.38%	-11.4%	Y	.
St. Cloud Medical Group	48.8%	40.21%	-4.3%	.	.
St. Joseph's Medical Center Clinics	43.8%	26.22%	-9.6%	.	.
St. Luke's Clinics	53.0%	34.02%	-12.7%	Y	.
St. Mary's Duluth Clinic Health System dba Essentia Health - East	51.8%	36.47%	-12.1%	Y	.
Stillwater Medical Group	56.7%	39.11%	-13.8%	Y	.
Tri-County Hospital	25.0%	11.24%	-5.0%	.	.
United Family Medicine	71.2%	31.76%	-28.1%	Y	Y*
Unity Family Healthcare - Avon	32.3%	22.78%	-1.3%	.	.
University of Minnesota Physicians	71.0%	41.08%	-23.5%	Y	Y*
West Side Community Health Services	64.3%	34.63%	-17.6%	Y	.
Winona Health	43.1%	26.02%	-11.3%	Y	.

Y = Yes, statistical significance
 * = Smaller purchaser gap within Medical Group than the statewide gap

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Childhood Immunization Status

Six 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 1 percentage points and is not statistically significant. This means that the Childhood Immunization statewide rate for MHCP patients (71 percent) was not significantly lower than that of Other Purchasers (72 percent).

One medical group – HealthPartners Clinics – had a rate gap of less than one percentage point suggesting little or no difference between MHCP and Other Purchaser patients. Two of the six medical groups had rates for MHCP patients that were lower than Other Purchasers; none of these groups had a statistically significant gap between purchasers. Four medical groups had a rate for MHCP patients that was higher than Other Purchasers (designated with negative signs in Column 4); none of these medical 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 six 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 (71%), and had a purchaser rate gap that was significantly lower than that found for the statewide purchaser rate gap (<1%). 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	71.1%	71.6%	0.5%	.	
Allina Medical Clinic	76.6%	74.8%	-1.7%	.	.
Fairview Medical Group	71.7%	81.6%	9.9%	.	.
HealthPartners Clinics	82.6%	82.5%	-0.1%	.	.
Park Nicollet Health Services	71.9%	79.3%	7.4%	.	.
Partners in Pediatrics	85.4%	81.2%	-4.2%	.	.
Sanford Clinic	76.5%	73.3%	-3.3%	.	.

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.

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 MNCM as part of the denominator certification process.

Benchmarks – The benchmarks (standards used for comparisons) include the 2011 national commercial HEDIS rate and the 2011 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 measures 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, Childhood Immunization Status. The data source 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. The federal Tax Identification Number (TIN) is used as the common identifier for aggregating files across all health plans.

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.

(continued on next page)

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, diabetes, or depression.
- **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 and/or multiple locations.

Minnesota Health Care Programs (MHCP) – These health care programs (i.e., Medical Assistance including dual eligibles, MinnesotaCare, General Assistance Medical Care) 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, MinnesotaCare and General Assistance Medical Care).

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 attributed 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 130/80 mmHg if IVD only and less than 140/90 if co-morbidity of diabetes, LDL-C less than 100 mg/dl, daily aspirin use and documented tobacco-free status.
- **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).
- **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 in who who have reached all of the following three targets to control their asthma: evidence of well control 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

- **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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