2008 Health Care Quality Report



Comparative Data on Medical Group Performance in Preventive Care and Chronic Disease Treatment



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December 2008

This report marks the fifth anniversary of public reporting on health care quality by MN Community Measurement (MNCM) – a milestone that provides an opportunity to assess our progress toward achieving the high performance standards we have adopted as a health care community. We are pleased to report that over the last five years we have observed increasing levels of participation in public reporting by health care clinicians, as well as improved outcomes for patients as evidenced by increases in measurement results.

With the wealth of data we have collected, we are beginning to embark on deeper analyses to further inform health care quality improvement in Minnesota. For example, in 2008 MNCM released our first *Health Care Disparities Report*, which examined medical group performance on eight quality measures for patients publicly insured through Minnesota Health Care Programs. In this report, you'll find new analyses that highlight the medical groups that have been high performers since we began public reporting, as well as those clinics and medical groups that have shown the greatest improvement for each measure.

Our direct data submission (DDS) process continues to grow and expand. In 2008, we doubled the number of medical groups participating in DDS to more than 60, representing more than 300 clinics statewide. And our Reporting Advisory Committee has established a list of other priority measures to move into the DDS process over the next few years.

As we continue to grow, the need to align our measures with other efforts across the community is critical. We see this happening in pay-for-performance programs, for instance, as purchasers and health plans move toward using our measures to identify and reward high-performing medical groups and clinics.

Over the next few years, we plan to develop new measures that are relevant to consumers and meet the needs of the marketplace. Next year, we will report a new patient experience measure that will complement our clinical measures and help to engage consumers in using quality measures in their health care decision making. We will also be developing standards for collecting race, ethnicity and primary language data through DDS to help identify and reduce disparities in care.

We strive to be a community-wide asset that will benefit all stakeholders. With new opportunities emerging from recent health care reform legislation, MNCM looks forward to partnering with others in the community to further align and raise the value of this work. As we talk with clinical leaders in the community, they tell us that public reporting is encouraging them to find ways to get better results for their patients. These stories are inspiring and we hope they reflect your experience as well. Your feedback is always appreciated.

Brian Anderson, MD Board Chair

Vin Clare

Jim Chase, President



MN Community Measurement 2008 Health Care Quality Report

(2007 Dates of Service)

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Executive Summary

Over the past five years, MNCM has focused on public reporting of health care performance throughout Minnesota and border communities. During this period, we have expanded the number of measures, retired some measures, and updated measures to align with current evidence-based guidelines. The number of medical groups reported has also increased during this time. What hasn't changed is our mission to accelerate the improvement of health by public reporting of health care information.

The 2008 Health Care Quality Report was designed and produced by MN Community Measurement (MNCM) to present statewide clinic and medical group performance on 12 measures of health care quality. To celebrate our fifth public report, we have highlighted progress we've made as a community to improve health care.

Key Findings

In the five years that we have been measuring Optimal Diabetes Care, the number of people achieving optimal care has almost tripled. This year almost 10,000 more people across Minnesota with diabetes will be meeting these aggressive treatment goals. And we know from research that this will mean thousands more people will avoid the serious complications of diabetes – strokes, heart attacks, amputations and vision problems.

For the Cancer Screening Combined measure, the statewide rate surpassed 50 percent for the first time with a 5 percentage point improvement. This translates to 18,000 more patients statewide screened for breast, cervical and colorectal cancer.

Other Key Findings

- Statewide results are up for most measures. Just three measures – Controlling High Blood Pressure, Asthma Care and Cervical Cancer Screening – remained steady since report year 2007.
- More medical groups demonstrated above-average rates on our measures.
- The number of medical groups and clinics that participated in our Direct Data Submission process has more than doubled – from 28 in report year 2007 to 62 in report year 2008.
- The number of medical groups reported from health plan data has increased from 128 in report year 2007 to 143 in report year 2008, and more groups are reported on for more measures.
- Practice variation between medical group and clinic performance continues; opportunities for improvement exist.
- Some primary care, Obstetrics and Gynecology (OB/GYN), Urgent/

Convenience Care and Cardiology clinics achieved above-average rates more frequently than other medical groups.

- There have been some big improvements in medical group and clinic performance since report year 2007 and over a five-year period.
- Since report year 2004, only one medical group-HealthPartners Clinics – has shown consistently high performance across four measures (Optimal Diabetes Care, Breast Cancer Screening, Cervical Cancer Screening and Chlamydia Screening).
- Four medical groups Aspen Medical Group (now a part of Allina Medical Group), Camden Physicians, CentraCare Health System, and Park Nicollet Health Services – have shown consistently high performance on three of these four measures.
- Childhood Immunization rates have increased by more than 1.5 times since report year 2006 from 52 percent to 77.5 percent.

Executive Summary

MN Community Measurement Statewide Results Comparisons to Previous Years

Quality Measure	2008 Statewide Average (2007 Dates of Services)	Percentage Point Change Statewide 2007 vs. 2008	Percentage Point Change Over Time
"Living with Illness" measures			
Optimal Diabetes Care* (Clinic level results)	17.1%	3.6 ↑	3.6↑ <i>(2 years)</i>
Optimal Diabetes Care* (Medical group level results)	13.0%	2.5 ↑	9.1↑ <i>(5 years)</i>
Optimal Vascular Care* (Clinic level results)	32.6%	N/A	N/A
Optimal Vascular Care* (Medical group level results)	32.3%	N/A	N/A
Controlling High Blood Pressure* (Medical group level results)	65.4%	0.1 ↓	0.1 ↓ <i>(2 years)</i>
Asthma Care (Ages 5-56) (Medical group level results)	91.7%	0.4 ↑	17.9↑ (<i>5 years)</i>
"Getting Better" measures			
Appropriate Treatment for Children with URI (Medical group level results)	85.8%	1.4 ↑	0.1↑ <i>(3 years)</i>
Appropriate Testing for Children with Pharyngitis (Medical group level results)	84.5%	3.8 ↑	2.7↑ <i>(3 years)</i>
"Staying Healthy" measures			
Breast Cancer Screening (Mammograms) (Medical group level results)	76.5%	1.0 ↑	1.2 ↑ <i>(5 years)</i>
Cervical Cancer Screening (Pap tests) (Medical group level results)	77.9%	0.3 ↑	0.1↑ <i>(5 years)</i>
Colorectal Cancer Screening* (Medical group level results)	62.8%	3.1 ↑	4.5↑ <i>(3 years)</i>
Cancer Screening Combined* – Ages 51-80 (breast, cervical, colorectal) (Medical group level results)	54.4%	5.1 ↑	6.8↑ <i>(3 years)</i>
Chlamydia Screening (Ages 16-25) (Medical group level results)	43.6%	2.8↑	14.5↑ <i>(5 years)</i>
Childhood Immunizations* (Medical group level results)	77.5%	3.1 ↑	25.5↑ (<i>3 years)</i>

* These statewide averages are weighted (see methods). N/A = Measurement specifications changed so comparisons cannot be made.

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Executive Summary

Future Plans

From the beginning, MNCM has been dedicated to reporting credible and comparable health care quality information on medical groups and clinics. Today, many organizations view MNCM as a community asset. Our results are being used by health plans and purchasers for their pay-for-performance programs. Medical groups and clinics are using the results to change systems that support their quality improvement efforts. Other organizations are using the results to provide consumers with information about the cost and quality of care from a medical group or clinic. And the results are used by state agencies, the media and others to inform the public about health care quality in our communities.

This report represents our initial effort to look at MNCM data in new ways and we plan to continue investigating important questions using our data. The results will help us meet our mission to accelerate the improvement of health by publicly reporting health care information. We will be sharing our findings in future reports.

Our future looks bright. Our Board of Directors is committed to seeing that this work continues to serve our community and add value toward improving our health care system. For more information, contact Anne Snowden, MN Community Measurement, at snowden@mnhealthcare.org.

Introduction

Statewide public reporting efforts in Minnesota began when local health plans realized that by combining their data they would have enough information to make comparisons on health care performance at a medical group level. This community effort was originally managed and coordinated by the Minnesota Council of Health Plans, and for two years, the results were shared only with the medical groups. In 2004, the results were made public for the first time. The release of the first public report led to the formation of an independent, 501(c)(3) organization called MN Community Measurement (MNCM).

MNCM has since focused on public reporting of health care performance measurements throughout Minnesota and border communities. MNCM uses measures that physicians agree are important to their patients. Our measures cover conditions that affect a large number of patients and have a significant impact on cost and quality of life for patients. Our results prove that medical groups can improve the quality of care for their patients. Public disclosure of these results allows physicians to learn from others. And while it is true that a large portion of the responsibility for achieving good results on selected measures lies with the patient, the data show that some physicians and care teams are better at getting those results than others.

Our public reports have been used in positive ways to impact the care of patients. Clinicians and members of care teams have shared with us the ways in which they believe our measures and results have contributed to system changes that have ultimately improved patients' lives.

Here's one example:

My clinic leadership made a decision to focus on breast, cervical and colorectal cancer screening when MNCM announced its new Cancer Screening Combined measure. We knew that the results would be reported publicly and that our medical group would be compared to our peers, and so we instituted system changes to make sure that patients received these cancer screenings. These changes included reminders from physicians and clinic staff to patients about the importance of regular cancer screenings. One of my patients came in for a mammogram after receiving a reminder and an early stage breast cancer was detected. Her breast cancer was caught early and it made a difference in the outcome. Had we not taken advantage of every opportunity – phone, mail and direct contact with her – I am convinced that she would not have had a mammogram. These system changes and the commitment to carry them out made a difference in this patient's life.

We don't hear these stories every day, so we don't always know how public reporting contributes to better health outcomes. Have we solved all of the challenges of measurement and public reporting? No, but this fifth annual report demonstrates that we are making progress. In this report, you'll find new analyses that highlight medical groups that have been high performers since we began public reporting, as well as those groups that have shown the greatest improvement. With the wealth of data we have collected, we are beginning to embark on deeper analyses to further inform health care quality improvement in Minnesota and border communities.

Changes in the 2008 Report

Measurement Changes

- Retired the Optimal Coronary Artery Disease (CAD) measure (clinic level results) and introduced Optimal Vascular Care (clinic level results) as a new measure.
- Changed the blood pressure level for Optimal Vascular Care measure (medical group level results). Last year, there were two blood pressure targets: less than 140/90 for patients with vascular care and less than 130/80 for patients with vascular care and diabetes. This year, there is one blood pressure target of less than 130/80 for all patients.
- Reported Optimal Diabetes Care and Optimal Vascular Care measures clinic level results for those medical groups that participated in the Direct Data Submission (DDS) process. If a medical group did not participate in DDS, we reported a medical group level rate for these measures.
- Added codes to identify Negative Competing Diagnosis criteria for the Treatment for Children with Upper Respiratory Infection measure. This resulted in a major decrease in the denominators at the statewide and medical group level, so some medical groups may no longer be reported for this measure.
- Changed descriptions of age ranges for some measures (Cervical Cancer Screening, Colorectal Cancer Screening, and Cancer Screening Combined) to reflect the age during the measurement period.
- Suppressed some medical group rates for the Chlamydia Screening in Women measure due to continued technical coding issues.

Report Changes

- Increased the total number of medical groups reported from 128 to 143.
- Added more detailed descriptions to the following sections: Data Sources and Data Collection; Measures; and Methods.
- Added a Performance Highlights section after every measure to direct attention to the top performers in 2008, top performers over five years of public reporting, and to note the groups that have achieved the biggest improvements.
- Added statewide results comparisons from previous years.
- Added a section on Top Performers in 2008 by Medical Group Type.
- Added a section on Consistently High-Performing Medical Groups over five years.

Data Sources and Data Collection

Clinic Level

The clinic level results in this report were derived from data submitted from medical groups on behalf of individual clinics within their group. Medical groups submitted all data elements specified by MNCM through a Web-based portal. Each medical group was given the opportunity to report on a clinic's total patient population or a representative sample of the clinic's entire patient population. If a medical group elected to submit through this process, it was required to submit data for all clinics within the medical group. In 2008, data were voluntarily submitted by 62 medical groups representing over 321 clinic sites – double the number that agreed to participate in the previous year.

Supplying data to MNCM through the direct data submission (DDS) process is appealing to most medical groups. DDS results reflect a broader representation of a medical group's patient base not just their patients insured through managed care. In addition, the DDS process allows MNCM to report results at the clinic level – a level that is more understandable to consumers and helps individual clinics better identify opportunities for improvement. Lastly, DDS results are available sooner than results collected through the health plan data collection process. These clinic level results are also displayed at the aggregated medical group level.

An extensive validation process using the National Committee for Quality Assurance's (NCQA) "8 and 30" File Sampling Procedure, developed in 1996 in consultation with Johns Hopkins University ensured that DDS results were reliable, complete and consistent. The audits were conducted by abstractors who are independent of the medical groups and trained by MNCM. Here is a summary of the "8 and 30" procedure MNCM follows:

- MNCM randomly selected 33 medical records (3 charts that were oversampled) for each clinic site.
- Reviewers examined the first eight records of the clinic's sample to verify compliance with the submission instructions and that the data submitted matched the source data. Compliance was defined as follows:
 - High (90-100%) zero to three errors/ areas out of compliance
 - Medium (60-89%) four to 12 errors/ areas out of compliance
 - Low (<60%) more than 12 errors/ areas found to be out of compliance
- If *all* of the *first eight* records reviewed were in compliance, the clinic was in high compliance (90-100% of charts in compliance) and no further chart review was necessary.
- If the first clinic site is in high compliance and the data submission process for all clinic sites within the medical group is identical, further review could be abbreviated at the discretion of the reviewers.
- If the clinic site was not in high compliance, the reviewers will continue to review the remaining 22 charts.
- If after review of all 30 charts the clinic was not in high compliance on all factors, the MNCM auditors and clinic staff developed a mutually agreed-upon remedy or corrective action plan.
- Clinic sites that were not in high compliance or had not been in high compliance in a previous MNCM audit were held to more rigorous denominator certification and on-site validation process.
- The final report was completed after issues were resolved and results finalized.

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Data Sources and Data Collection

Medical Group Level

The medical group level data used for this report were derived from administrative claims from health plans and/or medical record review. The data set reflects patients enrolled in managed care plans including commercial HMO/POS/PPO products, Medicare Cost and Medicare Risk products, Private Medicare fee-for-service products, and Minnesota Health Care Programs (Prepaid Medical Assistance including dual eligibles, MinnesotaCare, General Assistance Medical Care). These data do not include patients who are uninsured, patients who self pay, or patients who are served by Medicaid/Medicare fee-for-service. These data were collected by the health plans using the Healthcare Effectiveness Data and Information Set, Volume 2, HEDIS[®] 2008: Technical Specifications (2007 dates of service). The data collection and reporting cycle was consistent with the annual HEDIS cycle. HEDIS is produced and maintained by the National Committee for Quality Assurance (NCQA). The following 10 organizations collected data for purposes of public reporting:

- Blue Cross and Blue Shield of Minnesota
- FirstPlan of Minnesota
- HealthPartners
- Medica
- Metropolitan Health Plan
- PreferredOne
- PrimeWest Health System
 (county-based purchaser)
- Sanford Health Plan
- South Country Health Alliance (county-based purchaser)
- UCare

Each health plan utilized an extensive validation process to ensure quality measures following the standards described in *Volume 5*, *HEDIS Compliance Audit®: Standards, Policies and Procedures:*

- Health plan data were audited by an NCQA-certified HEDIS auditor.
- Medical group level data validation included training that is based on NCQA standards for every measure. Abstractors were tested on charts using inter-rater reliability exercises that must achieve a specified level of compliance.

- NCQA vendors audited a specified percentage of charts per abstractor that required a specified level of compliance (usually 90-100%).
- If an abstractor was below the specified compliance level, further training was required until the abstractor reached an acceptable level of compliance specified by the health plan.
- Some health plans required a second tier of auditing, in which internal staff who were medical record reviewers audited the same charts again.
- Most health plans had built-in data checks on their entry-screens for the data abstraction tool.

To ensure further data integrity, validation checks were instituted at multiple levels during the data aggregation process before results were published:

- All data files were submitted to MN Community Measurement's aggregation vendor for aggregation and validation. Files were 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 validation.
- Once these checks were finalized, the data files were aggregated. 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 trending and medical groups with extremely low or high rates and/or notable changes from the previous year.
- After these checks were finalized, preliminary rates were sent to medical groups for review and comment.
- MNCM investigates any data concerns with the data aggregation statistical team to determine if the issues were related to the submitted data.
- Publication of the final written report was completed after issues were resolved and results finalized.

The measures in this 2008 Health Care Quality Report were recommended by MNCM's Reporting Advisory Committee and approved by our Board of Directors. Over the years, we have expanded measures, retired some, and updated others to align with current evidence-based guidelines. These changes are reflected in Table 1.

Table 1 - Clinical Performance Measures

			eport Yea		
	2004	2005	2006	2007	2008
Medical Group Level Reporting (Data Source: Health Plans)					
Appropriate Testing for Children with Pharyngitis			X	X	X
Appropriate Treatment for Children with Upper Respiratory Infection			X	Х	Х
Childhood Immunization (Combo 3)			X	Х	Х
Childhood Immunization (Combo 2)	X	X	X		
Adolescent Immunization	X	X			
Well Child Visits	X	X	X		
Use of Appropriate Medications for People with Asthma	X	X	X	Х	X
Breast Cancer Screening	X	X	X	X	X
Cervical Cancer Screening	X	X	X	Х	X
Colorectal Cancer Screening			X	X	Х
Cancer Screening Combined (Breast, Cervical, Colorectal)			X	Х	Х
Chlamydia Screening in Women	X	X	X	Х	Х
Controlling High Blood Pressure (<140/90 mmHg)	X*	X*	X*	Х	Х
Optimal Diabetes Care (Old Targets)**	X	X	X		
Optimal Diabetes Care (New Targets)	X	X	X	Х	X***
Optimal Vascular Care					Х
Depression Treatment-Acute Phase Medication Management	X	X	X		
Depression Treatment-Continuous Phase Medication Management	X	X	X		
Total Medical Groups	51	54	104	128	143
Clinic Level Reporting (Data Source: Medical Groups)					
Optimal Diabetes Care				X	X
Optimal Coronary Artery Disease (CAD) Care				X	
Optimal Vascular Care				Х	Х
Total Clinics (# Medical Groups/#Clinics)				28/191	62/321

*Blood Pressure <=140/90 mmHg

Optimal Diabetes Care (Old Targets): HbA1c <=8, Blood Pressure <130/85 mmHg, LDL-C <130 mg/dl, Aspirin Use, Tobacco Free *HbA1c <7

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With the development of the DDS process, we now have two reporting levels for measures – clinic level and medical group level. The newer clinic level measures are those calculated from medical group data submitted through the DDS process. The traditional medical group level results are calculated using health plan data – claims only <u>or</u> claims plus chart review – depending on the measure.

Measures are summarized in categories based on health care emphasis. In some cases the measures assess how well medical groups care for patients with chronic conditions and are referred to as "Living with Illness" measures. Another category includes measures that reflect how well medical groups care for patients with common acute illnesses and are referred to as "Getting Better" measures. A third category includes measures that reflect how well medical groups keep individuals healthy and identify disease at an early stage when it can be treated most effectively. These measures are referred to as "Staying Healthy" measures.

Clinic Level

The two clinic level measures in this report relied on data specifications published in the 2008 Direct Data Submission Guide and are aligned with clinical guidelines established by the Institute for Clinical Systems Improvement (ICSI). Specifications for clinic level results have been developed for two measures – Optimal Diabetes Care and Optimal Vascular Care. Both of these measures are Living with Illness measures.

"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 diseases. The treatment goals include hemoglobin A1c (A1c) less than 7, blood pressure less than 130/80 mmHg, LDL-C less than 100 mg/dl, daily aspirin use (ages 41-75) 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, LDL-C less than 100 mg/dl, daily aspirin use and documented tobacco-free status.

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Medical Group Level

The 12 medical group level measures in this report relied on NCQA's HEDIS specifications, which are aligned with ICSI's clinical guidelines. HEDIS is a national set of standardized performance measures originally designed for the managed care industry. These measures have been adapted for use by MNCM to track the performance of medical groups. These measures fall into all three categories – Living with Illness, Getting Better and Staying Healthy.

"Living with Illness" measures

- Optimal Diabetes Care Measures the percentage of patients with diabetes (Type 1 and Type 2) ages 18-75 who reached all five treatment goals to reduce the risk of cardiovascular diseases. These treatment goals include hemoglobin A1c (A1c) less than 7, blood pressure less than 130/80 mmHg, LDL-C less than 100 mg/dl, daily aspirin use (ages 41-75) 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, LDL-C less than 100 mg/dl, daily aspirin use and documented tobacco-free status.

Note: Vascular disease includes the following, as defined in the HEDIS 2008 specifications for the measure Cholesterol Management for Patients With Cardiovascular Conditions (CMC): Acute Myocardial Infarction (AMI), coronary artery bypass graft (CABG), percutaneous transluminal coronary angioplasty (PTCA) or ischemic vascular disease (IVD)

- 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 blood pressure occurred after the diagnosis of hypertension was made).
- Use of Appropriate Medications for People with Asthma – Measures the percentage of patients ages 5-56 with persistent asthma in the measurement year and prior year who were appropriately prescribed medication during the measurement year.

"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).
- 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).

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"Staying Healthy" measures

- Breast Cancer Screening Measures the percentage of women ages 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 51-80 who had appropriate screening for colorectal cancer in the measurement year and prior year.
- Cancer Screening Combined Measures the percentage of adults ages 51-80 who received appropriate cancer screening services (breast, cervical, colorectal). A patient must be up-to-date for all three components to be considered up-to-date for this measure. This measure uses the same denominator as the Colorectal Cancer Screening measure. For this combined measure, males receive an automatic "pass" for the breast and cervical cancer screening components.

- Chlamydia Screening Measures the percentage of sexually active women aged 16-25 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, three 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.

Clinic Level

MNCM's 2008 Direct Data Submission Guide (2008 DDS Guide) provided the measurement specifications for two measures – Optimal Diabetes Care and Optimal Vascular Care. Medical groups could participate in DDS using either electronic health records (EHR) or paper charts.

Eligible Population Specifications

The eligible populations for these measures were identified and pulled by each medical group on behalf of their individual clinics utilizing their business practice management systems or EHR. The 2008 DDS Guide provided the standard definitions for the eligible population that included age, timeframe for look back to identify the clinic's current patient panel, number of visits needed in the measurement timeframe, and appropriate diagnosis codes.

Patient Attribution to Medical Groups

Medical groups determined the attribution system of patients to physicians and physicians to clinic. Each medical group's patient attribution method was reviewed by MNCM as part of the field validation process.

Sampling from Total Population

Medical groups had the option to submit full population data or a sample of 60 patients per clinic. For medical groups that chose to submit a sample, the 2008 DDS Guide described accepted methods to select a systematic sample. For each measure, a minimum threshold of 30 patients per clinic site was established for purposes of public reporting.

Numerator Specifications

For clinic level measures, the numerator was the number of patients from the eligible population or the sample who met measurement criteria.

Calculating Rates

Clinic level rates were calculated as 100 times the number who met the measurement specifications divided by the number eligible for the measure. Rates from measures using the total eligible population were straightforward calculations whereby the total eligible population served as the denominator. For clinics that elected to sample their populations, the rates calculated for the measures required weighting to account for the total eligible population. Rates and 95 percent confidence intervals were calculated for each measure for each clinic. Clinic level rates were reported as percentages. Clinic level rates were first calculated for each clinic and then an overall clinic rate average was calculated. The clinic average rate is used when comparing a single clinic to the performance of all clinics.

Limitations

Because participation was voluntary, medical groups that participated in DDS do not represent all medical groups that serve patients in Minnesota. Additionally, not every clinic within a given medical group was publicly reported due to small numbers of patients. Although medical groups were required to submit data for all clinics within the group, some individual clinic sites did not meet the minimum thresholds for public reporting.

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Medical Group Level

Measurement specifications for medical group level results were calculated using NCQA's *HEDIS*[®] 2008: Technical Specifications along with MNCM-specific numerator specifications for some measures. All medical groups in Minnesota are reported for medical group level measures if they meet minimum reporting requirements based on the number of patients. Medical Group inclusion in this report for these measures is not voluntary.

Eligible Population Specifications

The eligible populations for the measures in this report were identified by each participating health plan utilizing its respective administrative databases. NCQA's *HEDIS*[®] 2008: *Technical Specifications* provided the standard definitions for the eligible population, which included patients who satisfied all specified criteria, including age, continuous enrollment, benefit, and event or anchor date enrollment requirements.

Medical group level measures were calculated using either an administrative method or a hybrid method. The measures that are calculated using the administrative method are wholly derived from health plan claims data, while measures calculated using the hybrid method are derived from a combination of health plan claims data and medical record review data. Claims data tell us that a test of health service was performed, but not its value or outcome. Medical records are reviewed for selected measures to determine a value or outcome. For example, a health plan claim will tell us that a cholesterol test was administered, while a review of the medical record will tell us the test showed the patients LDL, or bad cholesterol level, was less than 130 mg/dl. For administrative measures, the entire eligible population is the denominator.

A minimum threshold of 30 patients per medical group was established for public reporting for these measures. For hybrid measures, the eligible population serves as the sampling frame from which to draw the denominator. For each hybrid measure, a minimum threshold of 60 patients per medical group was established for purposes of public reporting.

The following measures used the administrative method:

- Appropriate Testing for Children with Pharyngitis
- Appropriate Treatment for Children with Upper Respiratory Infection
- Breast Cancer Screening
- Cervical Cancer Screening
- Chlamydia Screening
- Use of Appropriate Medications for People with Asthma

The following measures used the hybrid method:

- Cancer Screening Combined
- Childhood Immunization Status (Combo 3)
- Controlling High Blood Pressure
- Colorectal Cancer Screening
- Optimal Vascular Care
- Optimal Diabetes Care

(continued on page 17)

Patient Attribution to Medical Groups

Health plans assigned patients to a medical group using a frequency-based attribution logic and a standard medical group definition. Administrative billing codes identified the frequency of patient visits to medical groups during the measurement year. Patients were assigned to the medical group that they visited most frequently. Patients who visited two or more medical groups with the same frequency were attributed to the medical group visited most recently. MNCM, in collaboration with the health plans and medical groups, established a standard definition of medical groups using a common identifier, the tax identification number. This common identifier, updated annually, is necessary for data aggregation from multiple health plans.

Sampling for Hybrid Measures

As noted previously, the hybrid method required each participating health plan to identify the eligible population that met 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 necessitates a random sample of the eligible population. Medical record review was conducted for all enrollees drawn for the sample.

MNCM used a two-stage, random sampling process. This strategy was designed with statisticians to ensure reporting for the maximum number of medical groups while minimizing the impact of weighting on the results. As in previous years, NCQA served as the sampling vendor for all hybrid measures. The sampling procedure started with the health plans providing NCQA with a data file containing a record for each eligible patient for each hybrid measure. The file identified eligible patients that had been selected for the HEDIS sample by the plans. Additional patients were then selected by NCQA from the remaining eligible population to meet MNCM minimum reporting requirements.

Numerator Specifications

For administrative measures, the numerator is the number of patients from the eligible population who met measurement criteria. For hybrid measures, the numerator is the number of patients from the sample who met measurement criteria.

Weighting

Because data for hybrid measures were taken from a sample, the results were weighted to obtain accurate rates. This allowed for aggregation and unbiased reporting by medical group. Weighting is a cost-saving measure that enables MNCM to draw a sample on which to estimate medical group and statewide rates. Weighting is 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 – for example, a 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 measurement specifications.

(continued on page 18)

Calculating Rates

Rates were expressed as percentages. They were calculated as 100 times the number who met the measurement specifications 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 95percent-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.

Rates

Rates were calculated at both a statewide level and at a medical group level. Statewide rates include those patients attributed to a medical group AND those who could not be attributed to a medical group (i.e., all patients regardless of medical group affiliation). Medical group average rates include ONLY those patients who were attributed to medical groups. This rate is used when comparing a single medical group to the performance of all medical groups. The medical group average may be slightly higher than the statewide average, because it included patients who accessed care more frequently.

Limitations

The medical groups identified in this report do not fully represent all medical groups in Minnesota. This is because MNCM has established minimum thresholds for public reporting. Only medical groups that met these minimum reporting thresholds were included. At the same time, the medical groups that are included may not be reported for all medical group level measures.

The medical group level data reflect patients insured through a managed care delivery system. Because the data reflects patients with insurance coverage, it does not include the uninsured, patients who self pay, or patients served by a fee-for-service delivery system. Therefore, the data will not 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.

Results by Measure

(2007 Dates of Service)



Optimal Diabetes Care

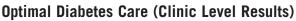
Optimal Diabetes Care (Clinic Level Results)

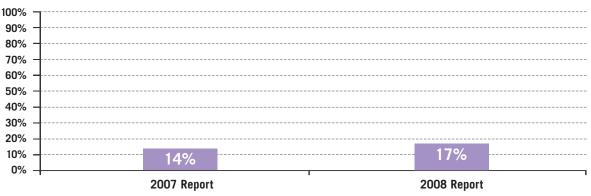
This measures the percentage of patients with diabetes (Type I and Type II) 18-75 who reached <u>all</u> of the following five treatment goals to reduce cardiovascular risk:

- Hemoglobin A1c (HBA1c) less than 7
- Blood pressure less than 130/80 mmHg
- LDL-cholesterol less than 100 mg/dl
- Daily aspirin use, ages 41-75
- Documented tobacco-free status

This composite rate is calculated using an all-or-none method. Credit is given for achieving this measure when <u>all</u> five components are met. The data collected for this measure are reported directly to MNCM by medical groups and clinics from electronic health records or paper-based medical charts.

	Statewide Average [*] (Weighted)	95% CI	Numerator (Patients who met treatment goals)	Denominator (Patients sampled)	Total Eligible
Optimal Diabetes Care	17.1%	16.8%- 17.3%	15,772	83,034	130,019





^{*} Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

Living with Illness

		(Clinic Level Results))
Fairview Oxboro Clinic		⊢ .	
Fairview RidgeValley Clinic			
Quello Clinic - Eden Prairie			
Fairview Ridges Clinic		⊢ ♦––1	
Fairview Mesaba Clinic - Mountain Iron		+ + 1	
FHSM - Inver Grove Heights		ı ⊢ → ↓ I	
Fairview Hugo Clinic			
Fairview Eagan Clinic			
Fairview Crosstown Clinic			
Fairview North Branch Clinic		⊢ →	
Allina Medical Clinic - Litchfield			
Fairview Highland Park Clinic		i → →	
Fairview Lakeville Clinic	— —		
Mankato Clinic - North Mankato			
Richfield Medical Group			
Fairview CedarRidge Clinic			
Fairview Uptown Clinic	- -		
Allina Medical Clinic - Isles			
Family Practice Medical Center of Willmar			
Fairview Northeast Clinic			
AALFA Family Clinic			
FHSM - Afton Road			
FHSM - Banning Avenue Office			
FHSM - North St. Paul Clinic			
HealthEast - Maplewood			
Allina Medical Clinic - West Health Campus			
Allina Medical Clinic - Buffalo			
HealthPartners - Inver Grove Heights			
Fairview Chisago Lakes Clinic			
Fairview Lino Lakes Clinic			
FHSM - Woodlane Family Practice			
Mankato Clinic - Mapleton			
Fairview EdenCenter Clinic			
Fairview Red Wing Medical Center			
HealthEast - Oakdale			
St. Cloud Medical Group - South WWMA - Ellsworth Medical Clinic			
MeritCare - Island Park			
MeritCare - Black Duck			
Fairview Elk River Clinic			
MeritCare - North Fargo			
Allina Medical Clinic - Coon Rapids			
France Avenue Family Physicians			
Allina Medical Clinic - Elk River			
Allina Medical Clinic - The Doctors Uptown			
HealthPartners - Como	_ ⊢●	+	
Allina Medical Clinic - Farmington			
Allina Medical Clinic - Cokato			
Camden Physicians - Plymouth			
FHSM - Gorman Clinic			
FHSM - Shoreview			

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Living with Illness

	etes Care (Clinic Level Results) – continued
Innovis Health - South University	
WWMA - Spring Valley Medical Clinic	
MeritCare - Southpointe Family Medicine	
St. Mary's/Duluth Clinic - Hayward	
MeritCare - Southpointe Internal Medicine	
Quello Clinic - Lakeville	
Steven Saliterman, MD	
Park Nicollet Clinic - Minnetonka	
Allina Medical Clinic - Cottage Grove	
Allina Medical Clinic - Edina	
MeritCare - Perham	
Quello Clinic - Savage	
St. Mary's/Duluth Clinic - Spooner	
Fairview Red Wing Downtown Clinic	
St. Mary's/Duluth Clinic - Hermantown	
Park Nicollet Clinic - Prairie Center	
Allina Medical Clinic - North Branch	
Fairview Maple Grove Medical Center	
CentraCare - Diabetes Center	
HealthEast - Rice Street	
Mayo Clinic - Baldwin Building	
HealthPartners - Coon Rapids	
WWMA - River Falls Medical Clinic	
HealthPartners - Bloomington	
SMDC- General Internal Medicine	
HealthPartners - Riverside	
AMC - United Medical Specialties	
Park Nicollet Clinic - Carlson/Minnetonka	
MeritCare - Bemidji Internal Medicine	
Allina Medical Clinic - Hastings	
Family Medicine of Winona	
ACMC - Marshall Clinic	
Fairview Red Wing Ellsworth Clinic	
FHSM - Larpenteur Office	
FHSM - Maryland Clinic	
FHSM - Woodbury Office	
HealthEast - Roselawn	
Innovis Health - Thief River Falls	
UMP - Phalen Clinic	
HealthPartners - RiverWay Anoka	
Park Nicollet Clinic - Wayzata	
MeritCare - South Moorhead Internal Medicine	
Park Nicollet - St. Louis Park Fam. Med.	
-	
ACMC - Willmar Clinic	
HealthPartners - Brooklyn Center	
MeritCare - Jamestown	
Allina Medical Clinic - Northfield	
Park Nicollet Clinic - Brookdale	
North Memorial Clinic - Minnetonka Physicians	
Park Nicollet Clinic - Golden Valley	
Fairview Red Wing Zumbrota Clinic	

CPMG - Fridley Plaza Clinic Quello Clinic - Centennial Lakes		c Level Res	ults) – continueo	1
With the second se				
Stevens Community Medical Center		4		
Winona Clinic - Lewiston				
Park Nicollet Clinic - Creekside				
ACMC - Benson Clinic				
St. Mary's/Duluth Clinic - Ely				
Camden Physicians - Maple Grove		4		
Camden Physicians - Minneapolis		4		
CentraCare - Heartland St. Cloud		4		
CentraCare - Heartland St. Joseph		4		
CentraCare - Internal Medicine Plaza		4		
HealthPartners - North Suburban Lino Lakes		4		
Innovis Health - Northport		4		
NMC - Brooklyn Park Physicians				
AMC - Cambridge Medical Center				
Park Nicollet Clinic - Bloomington				
•				
St. Mary's/Duluth Clinic - Superior Allina Medical Clinic - Mora				
· · · · · · · · · · · · ·				
MeritCare - Mayville ACMC - Litchfield Clinic				
Mankato Clinic - Blue Earth				
Mankato Clinic - Blue Earth MeritCare - Hillsboro				
HealthPartners - Health Specialty Center				
HealthPartners - Maplewood				
Park Nicollet Clinic - Chanhassen				
Park Nicollet Clinic - Burnsville				
Mankato Clinic - Main Street				
St. Mary's/Duluth Clinic - International Falls				
Park Nicollet Clinic - Plymouth				· · · · · · · · · · · · · · · · · · ·
CPMG - Columbia Park Clinic				
Aspen Medical Group - Maplewood				
FHSM - Highland Family Physicians				
HealthEast - Downtown St. Paul				
HealthPartners Central Minnesota Clinics				
Innovis Health - Jamestown				
Northwest Family Physicians - Rogers Office				
SCMG - Clearwater Medical Clinic				
UMP - Smiley's Clinic				
Fairview Mesaba Clinic - Nashwuk				
Park Nicollet Clinic - Eagan				4
MeritCare - South Moorhead Family Medicine	- ! !			
North Clinic - WestHealth Office in Plymouth				
St. Mary's/Duluth Clinic - Ashland	⊢ ₩-1			
HealthPartners - Midway				
CPMG - Andover Park Clinic				
MeritCare - East Grand Forks				
Park Nicollet Clinic - Minneapolis	⊢← -			
Glencoe Regional Health Services				
Quello Clinic - Burnsville	⊢ ←-			
Stillwater Medical Group - Curve Crest Clinic				

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Optimal Diabe	tes Care (Clinic	Level Re	esults)	– conti	nued			n∗
Park Nicollet Clinic - Shakopee	⊢ ←-1								563
Park Nicollet Clinic - Hopkins	⊢ •-1								568
St. Mary's/Duluth Clinic - Hibbing	⊢ ←-								648
HealthPartners - St. Paul	⊢← -								795
St. Mary's/Duluth Clinic - Lakeside	+ + - 1								333
MeritCare - Walker	⊢ ♦	4							111
WWMA - Hudson Physicians	⊢ ♦	4							120
HealthEast - Macalester/Groveland	⊢ ♦								60
Innovis Health - Fosston	⊢ +								60
Innovis Health - Wahpeton	⊢ +								60
Innovis Health - Walker	⊢ +								60
Silver Lake Clinic - Shoreview	⊢ ♦								60
Silver Lake Clinic - St. Anthony	⊢ ◆								60
United Family Practice Health Center	⊢								60
UMP - Primary Care Center	⊢ +								60
St. Mary's/Duluth Clinic - Aurora									260
Park Nicollet Clinic - Prior Lake	⊢ ♦ −								166
MeritCare - Wahpeton	⊢ ♦—1								350
Allina Medical Clinic - Hinkley	⊢ ♦								132
MeritCare - Detroit Lakes	++1								441
HealthPartners - RiverWay Elk River	⊢ ♦–1								335
HP - Center for International Health									264
St. Mary's/Duluth Clinic - West	H + -1								737
MeritCare - Bemidji Family Medicine	⊢∔ -1								509
St. Mary's/Duluth Clinic - Deer River									334
CPMG - Blaine Clinic	⊢ •								112
Multicare Associates - Fridley Medical Center		4							84
Renville County Hospital and Clinics - Hector		-							77
St. Mary's/Duluth Clinic - Chisholm		-							77
MeritCare - Valley City									272
Aspen Medical Group - Bloomington									60
CentraCare - Long Prairie									60
HealthPartners - North Suburban Roseville		-							60
Innovis Health - West Acres									60
Innovis Health - West Fargo									60
Lakeview Clinic - Chaska									60
NMC - Golden Valley Physicians NMC - Northeast Family Physicians									60 60
Northwest Family Physicans - Plymouth Office									
Northwest Family Physicians - Crystal Office									60 60
St. Cloud Medical Group - Northwest Duble UMP - Medicine 6 Clinic, Endocrine									60 60
NMC - Plymouth Internal Medicine									61
MeritCare - Bemidji North									102
North Clinic - Maple Grove Office									62
Mankato Clinic - Lake Crystal									92
Fairview Mesaba Clinic - Hibbing									120
CentraCare - Internal Medicine River Campus									60
Consultants Internal Medicine									60
HFA - Internal Medicine Clinic									60
Riverside Family Physicians									60
HealthEast - Salud Integral									36
(0% 10% c Average 17	%	0% 40% ocrinology —		60%	70% vel/Upper	80% Confidence		0%
AMC - Allina Medical Clinic FHSM ACMC - Affilliated Community Medical Centers CPMG - Columbia Park Medical Group HP - H	- Family HealthServ - Hennepin County HealthPartners Hennepin Faculty As	ices Minneso Medical Cent	ta MNCOM	E - Minnesota	Center for Ol , and Endocri Clinic	pesity,	SMDC - St. UMP - Univ Phys WWMA - V	Level *n = s Mary's/Dulu versity of Min sicians Western Wis Medical Asso	Ith Clinic Innesota consin

Optimal Diabe	tes Care	(Clinic Le	vel Res	ults)	- cont	inued			n
St. Mary's/Duluth Clinic - Virginia	⊢ ♦ H								67
MeritCare - West Fargo	⊢ ♦−1								50
A MeritCare - Endocrinology	I								27
HFA - Hennepin Center for Senior Care	+	4							5
North Memorial Clinic - Elk River Physicians	⊢ •								10
Alexandria Clinic	⊢ •								12
CPMG - Brooklyn Park Clinic									12
Family Medical Center - Little Falls	I								12
Aspen Medical Group - White Bear Lake	⊢ → →								60
FCHS - Central Avenue Clinic	I								60
Innovis Health - Detroit Lakes	I - +								60
Lakeview Clinic - Waconia	· · · · · · · · · · · · · · · · · · ·								60
Carlos Fernandez MD Clinic	I								30
Lakeville Integrative Medicine Clinic									30
Park Nicollet Clinic - Endocrine P3800	H+I								2,73
NorthPoint Health & Wellness Center									6
North Clinic - Oakdale Office in Robbinsdale									62
MeritCare - Pelican Rapids									79
MeritCare - Cass Lake								$- \leq$	49
Renville County Hospital and Clinics - Renville									54
Aspen Medical Group - Bandana Square									6(
Aspen Medical Group - Bandana Square									
• • • • •									6
Aspen Medical Group - Inver Grove Heights	1								6
CentraCare - Heartland Becker								_	60
CentraCare - Heartland Family Medicine									60
HFA - HCMC Family Medical Center									6(
HFA - Hennepin Care South Clinic									60
HFA - HCMC Internal Medicine Clinic									6
HFA - Hennepin Family Care East Lake Clinic									6
Innovis Health - Valley City									6
Lakeview Medical Clinic									6
New Spirit Women's Clinic									6
Stillwater Medical Group - Somerset Clinic									6
North Clinic - Osseo Office									62
MeritCare - New York Mills	⊢← -1								15
Edina Sports Health & Wellness	⊢← −1								18
MeritCare - Hawley									4
Community-University Health Care Center	⊢ ♦−−−− −−−								6
Fremont Community Health Services	⊢ ♦−−−− −−−								6
HFA - Hennepin Care North Clinic	H+H								6
Innovis Health - Park Rapids	⊢← −−− −−−								60
Lakeview Clinic - Watertown	H+								6(
UMP - Bethesda Clinic	I ♦ – – – – – – – – – – – – – – – – – – –								6
Multicare Associates - Blaine Medical Center	+ 1								4
Renville County Hospital and Clinics - Olivia	I ♦───I								10
Aspen Medical Group - Hopkins	• 1								6
Lakeview Clinic - Norwood	•								6
UMP - Broadway Family Medicine	•								6
Aspen Medical Group - East Lake Street									6
0	% 10%	20% 30%	40%	50%	60%	70%	80%	90%	100%

AMC - Allina Medical Clinic ACMC - Affilliated Community Medical Centers CPMG - Columbia Park Medical Group FCHS - Fremont Community Health Services FHSM - Family HealthServices Minnesota HCMC - Hennepin County Medical Center HP - HealthPartners HFA - Hennepin Faculty Associates MNCOME - Minnesota Center for Obesity, Metabolism, and Endocrinology NMC - North Memorial Clinic SCMG - St. Cloud Medical Group SMDC - St. Mary's/Duluth Clinic UMP - University of Minnesota Physicians WWMA - Western Wisconsin Medical Associates

December 2008

Performance Highlights – Clinic Level Results

High Performers in 2008

Clinic level results showed that an average of 17 percent of patients with diabetes met all five required components included in this measure. Fairview Oxboro Clinic set the benchmark of 48 percent of diabetes patients in full compliance with all five diabetes-care components. There were 77 of 321 clinics with rates and confidence intervals fully above the clinic level average. The high performing clinics are listed below in alphabetical order under the heading of their medical group name:

AALFA Family Clinic Affiliated Community Medical

- Centers
 - Granite Falls Clinic
 - Redwood Falls Clinic
- Allina Medical Clinic
 - Annandale
 - Buffalo
 - Cokato
 - Coon Rapids
 - Eagan
 - Elk River
 - Farmington
 - Forest Lake
 - Isles
 - Litchfield
 - Maple Grove
 - Ramsey
 - Shoreview
 - The Doctors Uptown
 - West Health Campus
 - West St. Paul
 - Woodbury
 - Woodlake

Apple Valley Medical Clinic

- **Camden Physicians**
 - Plymouth
- Fairview Health Services
 - CedarRidge Clinic
 - Chisago Lakes Clinic

High Performers over Five Years

Crosstown Clinic

Biggest Improvements

• Eagan Clinic

Not applicable.

- EdenCenter Clinic
- Elk River Clinic
- Hiawatha Clinic
- Highland Park Clinic
- Hugo Clinic
- Ionathan Clinic
- Lakes Medical Center
- Lakeville Clinic
- Lino Lakes Clinic
- Milaca Clinic
- North Branch Clinic
- Northeast Clinic
- Oxboro Clinic
- Princeton Clinic
- Red Wing Medical Center
- Ridges Clinic
- RidgeValley Clinic
- Rush City Clinic
- Uptown Clinic
- Fairview Mesaba Clinic
 - Mountain Iron
- Family HealthServices Minnesota
 - Afton Road
 - Banning Avenue Office
 - Gorman Clinic
 - Inver Grove Heights
 - North St. Paul Clinic
 - Shoreview

made by Allina Medical Clinic - Litchfield with a 24 percentage point increase.

- Woodlane Family Practice
- Family Practice Medical Center of Willmar
- France Avenue Family Physicians

HealthEast

- Maplewood
- Midway
- Oakdale
- HealthPartners Medical Group
 - Apple Valley
 - Arden Hills
 - Como
 - Inver Grove Heights
 - West
 - Woodbury
- Mankato Clinic
 - Mapleton
 - North Mankato
- Merit Care
 - Black Duck
 - Desk 35
 - Island Park
 - North Fargo

Park Nicollet Health Services

- Maple Grove
- St. Louis Park
 - Internal Medicine
- Quello Clinic
- Eden Prairie

Richfield Medical Group

- St. Cloud Medical Group
- South
- Western Wisconsin Medical Associates

The greatest improvement since report year 2007 in Optimal Diabetes Care (clinic level results) was

Richfield Medical Group	_	► →				6
Family Practice Medical Center of Willmar		⊢	-			44
Fairview Health Services		H				10,
AALFA Family Clinic		► ←				9
France Avenue Family Physicians		⊢ → 1				33
Family HealthServices Minnesota		⊢← -				84
Allina Medical Clinic		+ I				14,
Winona Clinic		↓				
Hutchinson Medical Center						2
HealthEast		⊢ ←-1				6
MNCOME	F	+				1
Southdale Internal Medicine		• · · · · · · · · · · · · · · · · · · ·				6
Apple Valley Medical Clinic		⊢⊷⊣				I,
Burnsville Family Physicians		⊢				2
Mankato Clinic						6
Steven Saliterman, MD						4
Camden Physicians						
Mayo Clinic		•				6
St. Cloud Medical Group	- -					2
HealthPartners Medical Group	-	•				11,
Affiliated Community Medical Centers	-	H♦I				3
amily Medicine of Winona	-					3
Quello Clinic	-	4				J,4
Western Wisconsin Medical Associates	-					4
airview Mesaba Clinic						2
ArritCare	-	•				7,0
Stevens Community Medical Center						
St. Mary's/Duluth Clinic Health System	-					8,
Park Nicollet Health Services	- · · · ·					13,
nnovis Health						8
		1				
CentraCare Health System	H •					5
HealthPartners Central Minnesota Clinics	-					7
Columbia Park Medical Group		1				5
Glencoe Regional Health Services		1.				1
Stillwater Medical Group North Memorial Clinic	-					
						4
Silver Lake Clinic						1
Jnited Family Practice Health Center						(
Northwest Family Physicians	_	4				1
Jniversity of Minnesota Physicians						3
Consultants Internal Medicine		-1				•
Riverside Family Physicians	_	-1				(
Iulticare Associates						1
Alexandria Clinic						1
North Clinic	_ F					2
amily Medical Center						1
Carlos Fernandez MD Clinic		+ •				3
akeville Integrative Medicine Clinic		-				3
Aspen Medical Group						4
IorthPoint Health & Wellness Center		4				•
enville County Hospital and Clinics						2
akeview Clinic						2
lennepin Faculty Associates	▶ ₩ - 1					4
remont Community Health Services						1
akeview Medical Clinic						
New Spirit Women's Clinic						
dina Sports Health & Wellness	- H					1
Community-University Health Care Center	- I					
	0% 10%	20% 30%	40% 50%	60% 70%	80% 90%	100%

MNCOME - Minnesota Center for Obesity, Metabolism, and Endocrinology

▲ Endocrinology ⊢ Lower Confidence Level / Upper Confidence Level *n = sample size

Performance Highlights – Clinic Level Results by Medical Group

High Performers in 2008

Clinic level results by medical group showed that an average of 17 percent of patients with diabetes met all five required components included in this measure. Fairview Health Services, Family Practice Medical Center of Willmar, and Richfield Medical Group set the benchmark of 33 percent of diabetes patients in full compliance with all five diabetes care components. There were 10 of 58 medical groups with rates and confidence intervals fully above the medical group level average. The high performing medical groups are listed below:

- Fairview Health Services
- Family Practice Medical Center of Willmar
- Richfield Medical Group
- AALFA Family Clinic
- France Avenue Family Physicians
- Family HealthServices Minnesota
- Allina Medical Clinic
- HealthEast
- Apple Valley Medical Clinic
- HealthPartners Medical Group

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvements since report year 2007 in Optimal Diabetes Care were made by Family Practice Medical Center of Willmar, Fairview Health Services, Allina Medical Clinic and Mayo Clinic with each achieving greater than a 10 percentage point increase.

December 2008



Optimal Diabetes Care

Optimal Diabetes Care^ (Medical Group Level Results)

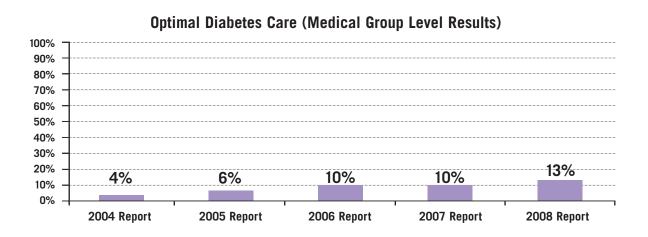
This measures the percentage of patients with diabetes (Type I and Type II) 18-75 who reached <u>all</u> of the following five treatment goals to reduce the risk of cardiovascular diseases:

- Hemoglobin A1c (A1c) less than 7
- Blood pressure less than 130/80 mmHg
- LDL-C less than 100 mg/dl
- Daily aspirin use (ages 41-75)
- Documented tobacco-free status

This rate is calculated using an all-or-none method. Credit is given for achieving this measure when <u>all</u> five components are met. Data collected for this measure are from health plan claims and medical record review.

^ Note: Medical groups that did not participate in direct data submission (DDS) are presented for this measure if they met minimum sampling thresholds (see methodology).

	Statewide Average* (Weighted)	95% CI	Numerator (Patients who met treatment goals)	Denominator (Patients sampled)	Total Eligible
Optimal Diabetes Care	13.0%	12.3%-13.7%	969	9,429	66,069



^{*} Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

Living with Illness

Minnesota Rural Health Cooperative		101
Edina Family Physicians		62
Crossroads Medical Centers		62
Olmsted Medical Center		86
Allina Health System		101
Brainerd Medical Center		80
Northstar Physicians		136
Mayo Health System		244
Neighborhood Health Care Network		201
Buffalo Clinic		88
Bloomington Lake Clinic		95
Sanford Clinic		84
Gundersen Clinic		74
Mark P. Stesin, MD		62
Riverwood Aitkin Clinic		68
Central Lakes Medical Clinic		86
Grand Itasca Clinic		63
Fergus Falls Medical Group		89
SuperiorHealth Center		67
Regina Medical Center		63
St. Luke's Clinics		111
Altru Health System		73
Avera Health/Avera Tri-State	₩	88
Endocrinology Clinic Of Mpls.		63
	0% 10% 20% 30% 40% 50% 60%	70% 80% 90% 100%

△ Endocrinology ⊢ Lower Confidence Level/Upper Confidence Level *n = sample s	ize
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Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 13 percent of patients with diabetes met all five required components included in this measure. Among the groups reported at the medical group level for Optimal Diabetes Care, **Minnesota Rural Health Cooperative** set the benchmark of 21 percent of diabetes patients in full compliance with all five diabetes care components. Out of the 23 medical groups reported, Minnesota Rural Health Cooperative was the one group that had a rate and confidence intervals fully above the medical group level average for patients. (This group did not participate in the direct data submission process for this measure).

High Performers over Five Years

Throughout five years of public reporting, the following medical groups achieved consistently high performance for Optimal Diabetes Care.

- HealthPartners Clinics
- Fairview Health Services
- Camden Physicians
- Park Nicollet Health Services
- Family HealthServices Minnesota

Biggest Improvements

The greatest improvement since report year 2007 in Optimal Diabetes Care (medical group level) was made by **Minnesota Rural Health Cooperative** with a 13 percentage point increase.

The greatest improvements over the last five years in Optimal Diabetes Care were made by HealthPartners Clinics and Affiliated Community Medical Centers each with an increase of 14 percentage points since report year 2004.

Note: The high performers and biggest improvements over the last five years for this measure included all medical groups that were reported at the medical group level using health plan data. (For this report, a policy decision was made to only report one Optimal Diabetes Care rate per medical group. If a medical group participated in DDS, MNCM only reported their DDS diabetes rate. In other words, they are not included in the previous chart. If a medical group did not participate in DDS, MNCM listed them in the previous chart if minimum thresholds were met.)

Although most of the medical groups listed above are not represented in the previous chart because they participated in DDS, they are noted here because health plan data was necessary to calculate the high performers and biggest improvers over five years.

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Optimal Vascular Care

Optimal Vascular Care (Clinic Level Results)

This measures the percentage of patients ages 18-75 who have vascular disease and have reached <u>all</u> of the following four treatment goals to reduce the risk of cardiovascular disease:

- Blood pressure less than 130/80 mmHg
- LDL-C less than 100 mg/dl
- Daily aspirin use
- Documented tobacco-free status

This composite rate is calculated using an all-or-none method. Credit is given for achieving this measure when <u>all</u> four components are met. The data collected for this measure are reported directly to MNCM by medical groups and clinics from electronic health records or paper-based medical charts.

	Statewide Average [*] (Weighted)	95% CI	Numerator (Patients who met treatment goals)	Denominator (Patients sampled)	Total Eligible
Optimal Vascular Care	32.6%	32.4 %- 33.4%	11,997	36,126	54,708

No trend chart since measurement specifications changed from last year

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

Optimal	Vascular Care (Cl	inic Level Results)	n
Fairview RidgeValley Clinic		↓ ↓ ↓ ↓ ↓	10
FHSM - Afton Road		⊢ →−1	14
HealthPartners - Como			374
Fairview Oxboro Clinic			35
Fairview Ridges Clinic		I I I I I I I I I I I I I I I I I I I	29
FHSM - Gorman Clinic		⊢ →→1	154
FHSM - Maplewood Office			13
HealthPartners - Arden Hills			23
FHSM - White Bear Office			
Fairview Uptown Clinic			42
Fairview Eagan Clinic			150
Fairview Chisago Lakes Clinic			10
HealthPartners - Maplewood			18
HealthPartners - Inver Grove Heights			12
Fairview North Branch Clinic			10
FHSM - Vadnais Heights Office			99
HealthEast - Midway			60
Fairview Milaca Clinic			52
Park Nicollet Clinic - Prairie Center			73
HealthPartners - West			13
FHSM - Inver Grove Heights			210
Quello Clinic - Savage			42
Quello Clinic - Eden Prairie			38
Park Nicollet Clinic - Minnetonka			55
Park Nicollet Clinic - Eagan			13
Fairview Crosstown Clinic			17
+ SPHC - Lakeview Heart Center			60
HealthPartners - Bloomington			18
			76
FHSM - Woodbury Office			37
FHSM - Woodlane Family Practice			
Fairview Highland Park Clinic			10
Allina Medical Clinic - Shoreview			79
FHSM - Banning Avenue Office			11
HealthPartners - Apple Valley			15
Innovis Health - South University			60
+ St. Paul Heart Clinic - Downtown			60
UMP - Primary Care Center			60
Park Nicollet Clinic - Carlson			282
HealthPartners - Woodbury			280
Park Nicollet Clinic - Maple Grove			77
Camden Physicians - Plymouth			60
Mankato Clinic - North Mankato			60
Southdale Internal Medicine			60
Winona Clinic - Winona			104
Park Nicollet Clinic - St. Louis Park Int. Med.			38
FHSM - Shoreview			65
Fairview Rush City Clinic			
(0% 10% 20% 30 Clinic Average		80% 90% 100%

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SCMG - Clearwater Medical Clinic Allina Medical Clinic - Nicollet Mall HealthEast - Woodbury		
Allina Medical Clinic - Nicollet Mall		
HealthEast Weedbury		
Healtheast = woodbury		
HealthPartners - White Bear Lake		
Fairview CedarRidge Clinic		
HealthPartners - North Suburban Roseville		
Allina Medical Clinic - Forest Lake		
Park Nicollet - St. Louis Park Fam. Med.		2
WWMA - River Falls Medical Clinic		The second secon
Allina Medical Clinic - Litchfield		
Fairview Elk River Clinic		
Fairview Jonathan Clinic		
Park Nicollet Clinic - Hopkins		
Mankato Clinic - Wickersham Campus		
Camden Physicians - Minneapolis		
HealthEast - Oakdale		
HP - North Suburban Lino Lakes		
FHSM - North St. Paul Clinic		
Allina Medical Clinic - West Health Campus		
HealthPartners - Riverside		
HealthPartners - St. Paul		2
NMC - Brooklyn Park Physicians		
HealthPartners - Coon Rapids		2
Fairview Red Wing Medical Center		3
Park Nicollet Clinic - Burnsville		2
FHSM - Larpenteur Office		
Allina Medical Clinic - Buffalo		2
CPMG - Andover Park Clinic		
Aspen Medical Group - Highland		
CentraCare - Internal Medicine Plaza		
HealthEast - Maplewood		
Richfield Medical Group		
WWMA - Ellsworth Medical Clinic		
France Avenue Family Physicians		
HealthPartners - Brooklyn Center		2
Fairview Lino Lakes Clinic		
Fairview EdenCenter Clinic		
Family Practice Medical Center of Willmar		
Mankato Clinic - Main Street		
Allina Medical Clinic - Coon Rapids		7
Park Nicollet Clinic - Golden Valley		2
Fairview Lakes Medical Center		4
Allina Medical Clinic - The Doctors Uptown		
HealthEast - Downtown St. Paul		
Mayo Clinic - Baldwin Building		
St. Paul Heart Clinic - Maplewood		
WWMA - New Richmond Clinic		
	· · · · · · · · · · · · · · · · · · ·	

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Optimal Vascula	r Care (Clinic Level Results) – continued		n∗
Allina Medical Clinic - Hastings			187
Multicare Associates - Blaine Medical Center			66
North Clinic - Maple Grove Office			47
AMC - United Medical Specialties			86
Park Nicollet Clinic - Wayzata			17
Allina Medical Clinic - Elk River			73
Allina Medical Clinic - Woodlake			37!
ACMC - Marshall Clinic			177
FHSM - Maryland Clinic			10
Camden Physicians - Maple Grove			60
+ CentraCare - Central Minnesota Heart Center			60
St. Cloud Medical Group - Northwest			60
Fairview Northeast Clinic			123
Apple Valley Medical Clinic			318
HealthPartners - RiverWay Andover			217
Park Nicollet Clinic - Bloomington			19
MeritCare - Bemidji Internal Medicine			40
Park Nicollet Clinic - Shakopee			148
St. Mary's/Duluth Clinic - Hayward			30
MeritCare - Desk 35			450
Park Nicollet Clinic - Brookdale			274
Ouello Clinic - Centennial Lakes			174
HealthPartners - Health Specialty Center			384
Quello Clinic - Lakeville			160
Allina Medical Clinic - Northfield			99
HealthPartners - RiverWay Elk River			90
MeritCare - North Fargo			90
FHSM - Highland Family Physicians			84
HealthEast - Cottage Grove			60
Innovis Health - Lisbon			60
+ MeritCare - Preventive Cardiology			260
ACMC - Redwood Falls Clinic			12
WWMA - Hudson Physicians			85
Park Nicollet Clinic - Plymouth			14
HealthPartners - Midway			14
Fairview Princeton Clinic			240
HealthPartners - RiverWay Anoka			19
Park Nicollet Clinic - Chanhassen			16
Allina Medical Clinic - Champlin			93
Hutchinson Medical Center			183
Allina Medical Clinic - Ramsey			17
			72
			44
			258
•			60
			60
CentraCare - Melrose			60
Allina Medical Clinic - Eagan HP - Center for International Health Allina Medical Clinic - West St. Paul Allina Medical Clinic - Maple Grove CentraCare - Internal Medicine River Campus CentraCare - Melrose	10% 20% 30% 40% 50% 60% 70% Clinic Average 33% + Cardiology I Lower Confidence Level/Upper Confidence Level/Upper Confidence Level/Upper Confidence Level	80% 90% 100 *n = sample size)%

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Optimal Vascular	Care (Clinic Level Results) – conti	inued n
Innovis Health - Thief River Falls		60
Allina Medical Clinic - Woodbury		17
MeritCare - Island Park		12
Park Nicollet Clinic - Prior Lake		55
Allina Medical Clinic - Shakopee		10
CPMG - Brooklyn Park Clinic		10
North Clinic - Osseo Office		75
MeritCare - Southpointe Internal Medicine		41
Allina Medical Clinic - Isles		59
ACMC - Benson Clinic		66
Aspen Medical Group - Maplewood		60
Silver Lake Clinic - Shoreview		60
MeritCare - Black Duck		40
St. Mary's/Duluth Clinic - Lakeside		17
AMC - Cambridge Medical Center		33
MeritCare - South Moorhead Internal Medicine		18
Lakeview Clinic - Chaska		54
HealthEast - Roselawn		
		34
Fairview Hiawatha Clinic		13
Allina Medical Clinic - Farmington		41
Fairview Red Wing Downtown Clinic		79
Park Nicollet Clinic - Creekside		55
WWMA - Spring Valley Medical Clinic		42
SMDC - General Internal Medicine		99
Burnsville Family Physicians		81
Consultants Internal Medicine		60
SMDC - Hermantown		33
ACMC - Willmar Clinic		15
St. Mary's/Duluth Clinic - Hibbing		31
Allina Medical Clinic - Mora		11
Allina Medical Clinic - Faribault		13
MeritCare - Perham		21
Quello Clinic - Burnsville		13
HealthEast - Vadnais Heights		52
A MNCOME		12
CentraCare - Long Prairie		60
Lakeview Clinic - Waconia		60
Northwest Family Physicians - Crystal Office		60
+ UMP - Outpatient Cardiovascular Center		60
Allina Medical Clinic - Edina		18
Innovis Health - West Acres		34
St. Mary's/Duluth Clinic - Spooner		21
North Clinic - Oakdale Office in Robbinsdale		61
North Clinic - WestHealth Office in Plymouth		61
MeritCare - Wahpeton		19
Park Nicollet Clinic - Minneapolis		
St. Mary's/Duluth Clinic - Ashland		45
St. Mary S/ Duluth Chinic - Ashlanu		45
0% ▲ Endocrinology +	10% 20% 30% 40% 50% 60% Clinic Average 33% Cardiology ⊢ Lower Confidence Level/Upper Confi	70% 80% 90% 100%

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Optimal Vascular	Care (Clinic Level Results) – cont	inued n*
Stillwater Medical Group - Curve Crest Clinic		73
HealthPartners - Health Center for Women		50
CentraCare - Heartland St. Joseph		54
Stillwater Medical Group - Somerset Clinic		54
MeritCare - West Fargo		200
MeritCare - Bemidji Family Medicine		212
Family Medicine of Winona		111
MeritCare - Southpointe Family Medicine		203
St. Mary's/Duluth Clinic - Ely		240
CPMG - Fridley Plaza Clinic		120
Glencoe Regional Health Services		72
St. Cloud Medical Group - South		60
CPMG - Blaine Clinic		52
St. Mary's/Duluth Clinic - Superior		473
MeritCare - South Moorhead Family Medicine		151
MeritCare - Mahnomen		49
Steven Saliterman, MD		49
SMDC - International Falls		227
CPMG - Columbia Park Clinic		120
Ridgeview Westonka Clinic		125
MeritCare - Jamestown		251
Lakeview Clinic - Norwood		55
St. Mary's/Duluth Clinic - West		404
ACMC- Litchfield Clinic		69
MeritCare - Detroit Lakes		311
Fairview Red Wing Zumbrota Clinic		57
Fairview Zimmerman Clinic		44
Fairview Mesaba Clinic - Hibbing		102
MeritCare - East Grand Forks		102
Alexandria Clinic		120
MeritCare - Valley City		165
UMP - Smiley's Clinic		32
Aspen Medical Group - East Lake Street		60
Aspen Medical Group - Inver Grove Heights		60
CentraCare - Heartland Family Medicine		60
Innovis Health - Park Rapids		60
MeritCare - Walker		60
MeritCare - Mayville		74
St. Mary's/Duluth Clinic - Virginia		368
Allina Medical Clinic - Cottage Grove		154
MeritCare - Hillsboro		67
MeritCare - New York Mills		83
Innovis Health - Fosston		44
Family Medical Center - Little Falls		120
Aspen Medical Group - Bloomington		60
HealthEast - Rice Street		60
HealthPartners Central Minnesota Clinics		60
	109/ 209/ 209/ 609/ 509/	70% 0.0% 0.0% 100%
0%	10% 20% 30% 40% 50% 60% Clinic Average 33%	70% 80% 90% 100%
	+ Cardiology — Lower Confidence Level/Upper Conf	idence Level *n = sample size

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Innovis Health - Detroit Lakes					
WSCHS - East Side Family Clinic					
Lakeview Medical Clinic					
MeritCare - Hawley					
NMC - Plymouth Internal Medicine				 	
NMC- Elk River Physicians					
·					
NMC - Golden Valley Physicians					
NMC - Northeast Family Physicians					
Aspen Medical Group - Bandana Square		•			
Aspen Medical Group - White Bear Lake		•			
CentraCare - Heartland St. Cloud		•	-		
HFA - Internal Medicine Clinic	ļ E	•	-		
St. Mary's/Duluth Clinic - Deer River		•			
St. Mary's/Duluth Clinic - Aurora		•			
Northwest Family Physicans - Plymouth Office	ŀ	•			
NMC - Minnetonka Physicians					
WSCHS - La Clinica	⊢		-		
Multicare Associates - Fridley Medical Center					
HFA - Hennepin Care North Clinic			-		
Community-University Health Care Center					
Innovis Health - Wahpeton	⊢ →				
MeritCare - Bemidji North	⊢				
Northwest Family Physicians - Rogers Office	⊢				
UMP - Phalen Clinic	⊢ →				
Brainerd Medical Center	↓				
Aspen Medical Group - Hopkins	⊢				
Edina Sports Health & Wellness	⊢ →				
Lakeview Clinic - Watertown	—				
HFA - HCMC Family Medical Center					
HFA - Hennepin Care South Clinic					
Ridgeview Chanhassen Clinic					
Fremont Community Health Services					
UMP - Bethesda Clinic					
Silver Lake Clinic - St. Anthony				 	
St. Mary's/Duluth Clinic - Chisholm					
CentraCare - Heartland Becker					
Innovis Health - Jamestown					
HFA - HCMC Internal Medicine Clinic					
_	•	-			
MeritCare - Pelican Rapids	•				
HFA - Hennepin Center for Senior Care	•				
UMP - Broadway Family Medicine					
Ridgeview Excelsior Clinic					

+ Cardiology |----- Lower Confidence Level/Upper Confidence Level *n = sample size

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Performance Highlights – Clinic Level Results

High Performers in 2008

Clinic level results showed that an average of 33 percent of patients with vascular disease met all four required components included in this measure. Fairview RidgeValley Clinic set the benchmark of 62 percent of vascular disease patients in full compliance with all four vascular care components. There were 57 of 335 clinics with rates and confidence intervals fully above the clinic level average. The high performing clinics are listed below in alphabetical order under the heading of their medical group name:

Allina Medical Clinic

- Coon Rapids
- Forest Lake
- Litchfield
- Nicollet Mall
- Shoreview

Fairview Health Services

- CedarRidge Clinic
- Chisago Lakes Clinic
- Crosstown Clinic
- Eagan Clinic
- Highland Park Clinic
- Hugo Clinic
- Lakes Medical Center
- Milaca Clinic
- North Branch Clinic
- Oxboro Clinic
- Red Wing Medical Center
- Ridges Clinic
- RidgeValley Clinic
- Rush City Clinic
- Uptown Clinic

Family HealthServices Minnésota

- Afton Road
- Banning Avenue Office
- Gorman Clinic
- Inver Grove Heights
- Maplewood Office
- Vadnais Heights Office
- White Bear Office
- Woodbury Office

HealthEast

- Midwav
- Woodbury

HealthPartners Medical Group

- Apple Valley
- Arden Hills
- Bloomington
- Como
- Coon Rapids
- Inver Grove Heights

- West
- White Bear Lake

Innovis Health

• South University

Park Nicollet Health Services

- Burnsville
- Carlson
- Eagan
- Hopkins
- Maple Grove
- Minnetonka
- Prairie Center
- St. Louis Park Family Medicine
- St. Louis Park Internal Medicine
- **Ouello Clinic**
- Savage

St. Paul Heart

- Downtown
- Lakeview Heart Center
- University of Minnesota Physicians
- Primary Care Center

Winona Clinic

• Winona

High Performers over Five Years

Not applicable.

Biggest Improvements

Not applicable because measurement specification changed in 2008.

- Maplewood
- St. Paul

- Woodbury

Family HealthServices Minnesota Image: Construction of the services of the servi	Optimal Vascular C	are (Clinic Level Results by Medical Group)	n
Winners Unité Image: Services Im			1,54
Fairlew Health Services HealthPartners Medical Group Services Camden Physicians Canden Physicians Park Nicoliet Health Services Richield Medical Group France Avenue Family Physicians Prate Medical Clinic Apple Valley Medical Clinic Camden State State Camden State Camden State State State Camden State State Camden State Sta			60
HealthPartners Medical Group St. Raul Heart Canden Physiclans Mankato Clinic Park Nicollet Health Services Richfield Medical Center of Willmar Mayo Clinic Mayo Clinic Apple Valley Medical Center of Willmar Mestern Wisconsin Medical Associates Quello Clinic Allina Medical Cinic St. Cloud Medical Group Hutchinson Medical Centers Inovis Health St. Cloud Medical Group Hutchinson Medical Centers Inovis Health St. Cloud Medical Group Hutchinson Med			10
Sc Paul Heart Canden Physicians Mankato Clinic Park Nicoliet Health Services Mankato Clinic Park Nicoliet Health Services Park Nicoliet Medical Group France Avenue Family Physicians Family Practice Medical Center of Willmar Mayo Clinic Allina Medical Clinic Community Medical Group Hutchinson Medical Center CentraCare Health System Hutchinson Medical Centers Innovis Medical Group Hutchinson Medical Group Hutchinson Medical Centers Innovis Medical Group Hutchinson Medical Group Hutchinson Medical Group Hutchinson Medical Group Hutchinson Medical Group Hutchinse Health System HeritCare Kenty System HeritCare Kenty System HeritCare Health Clinic HeritCare Health System HeritCare Health Clinic HeritCare Health Clinic HeritCare Health Clinic HeritCare Health System HeritCare Health Clinic HeritCare Health System HeritCare HeritCare Health System HeritCare HeritC	-	Hel	3,60
Camden Physicians Mankato Clinic Mankato Clinic Park Nicolite Health Services Richfield Medical Gener Wayo Clinic Western Wisconsin Medical Associates Quello Clinic St. Cloud Medical Clinic St. Clinic Health Stremint Health Health	• =		3,89
Mankato Clinic Park Nicollet Health Services Park Nicollet Medial Group France Avenue Family Physicians Frander Avenue Family			18
Park Nicollet Health Services Richfield Medical Group Family Practice Medical Clenter of Willmar Mayo Clinic HealthEast Apple Valley Medical Clinic Western Wisconsin Medical Associates Quelio Clinic Allina Medical Clinic St. Cloud Medical Clinic St. St. Mary St.	· –		18
Richfield Medical Group France Avenue Family Physicians Family Practice Medical Center of Willmar Mayo Clinic Apple Valley Medical Clinic Quello Clinic Allina Medical Clinic St. Coud Medical Group Hutchinson Medical Center Low Medical Group Hutchinson Medical Center Low Medical			319
France Avenue Family Physicians Family Practice Medical Center of Willmar Mayo Clinic HealthEast Apple Valley Medical Clinic Western Wisconsin Medical Associates Quello Clinic Allina Medical Clinic Sec. Cloud Medical Group Hutchinson Medical Center CentraCare Health System Hutchinson Medical Center Innovis Health Burnsville Family Physicians MeritCare Columbia Park Medical Group Hutchinson Medical Group Hutchinson Medical Group Hutchinson Medical Group St. Mary/s/Duluth Clinic Health System Family Medical Group Luceure Health System Family Medical Group St. Mary/s/Duluth Clinic Health System Family Medical Clinic St. Steven Saliterman, MD Lakeview Clinic Appen Medical Clinic Hutchinson Medical Clinic St. Mary/s/Duluth Clinic Health System Family Medical Clinic Appen Medical Clinic Family Medical Clinic		₩	3,17
Family Practice Medical Center of Willmar Mayo Clinic HealthEast Apple Valley Medical Clinic Western Wisconsin Medical Associates Quello Clinic Allina Medical Clinic St. Cloud Medical Group Hutchinson Medical Center CentraCare Health System Affiliated Community Medical Centers Innovis Health Jumer Medical Group Hutchinson Medical Centers Consultants Internal Medicine North Clinic Columbia Park Medical Group Hutchine Associates Minoresota Physicians Columbia Park Medical Group Multicare Associates Minoresota Physicians Columbia Park Medical Group Stillwater Medical Group Appen Medical Clinic Appen Medical Clinic Appen Medical Group Appen Medical Clinic Appen Medical Clinic Appen Medical Clinic Appen Medical Clinic Ap	• –		60
Mayo Clinic Image: Clinic <td></td> <td></td> <td>81</td>			81
HeathEast Apple Valley Medical Clinic Western Wisconsin Medical Associates Quello Clinic Allina Medical Clinic St. Cloud Medical Clinic St. Cloud Medical Clinic Hutchinson Medical Center CentraCare Health System MeritCare Columbia Park Medical Group Multicare Associates MeritCare Columbia Park Medical Group Multicare Associates Health System St. Mary's /Duluch Clinic Health System St. Mary's /Duluch Clinic Mincore Regional Health System Aspen Medical Group Lakeview Clinic Morthe Clinic Morthe Clinic Lakeview Medical Group Health Services Steven Saliterman, MD Lakeview Clinic Morthe St. Mary's /Duluch Clinic Health Services Steven Saliterman, MD Lakeview Clinic Morthe St. Mary's /Duluch Clinic Health Services Health Services Hea			192
Apple Valley Medical Clinic Western Wisconsin Medical Associates Quello Clinic Allina Medical Clinic St. Cloud Medical Group Hutchinson Medical Center CentraCare Health System Affiliated Community Medical Centers Innovis Health Burnsville Family Physicians Columbia Park Medical Group Muticare Associates MNCOME St. Mary's Dublutc Clinic Health System Family Medical Group Lakeview Clinic Aspen Medical Group Lakeview Medical Clinic Silver Lake Clinic Family Medical Center Lakeview Medical Clinic Family Medical Center Lakeview Medical Clinic Family Medical Center Lakeview Medical Clinic Family Medical Center Family Medical Group Family Medical Center Family Med	Mayo Clinic		60
Western Wisconsin Medical Associates Quello Clinic Quello Clinic Allina Medical Clinic St. Cloud Medical Center CentraCare Health System Heiticare Consultants Internal Medicine North Clinic Columbia Park Medical Group Muticare Associates Micode St. Mary's/Duluch Clinic Health System Family Medicine Columbia Park Medical Group Lakeview Clinic Chie Aspen Medical Clinic Fariview Messaba Clinic Cl	HealthEast		59
Quello Clinic Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic St. Cloud Medical Center Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic Hutchinson Medical Centers Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic Innovis Health Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic North Clinic Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic Image: Clinic Clinic Stillwater Medical Group Image: Clinic Clinic Image: Clinic Image: Clinic Image: Clinic Stillwater Medical Group Image: Clinic Image: Clinic Image: Clinic Image: Clinic Steven Saliterman, MD Image: Clinic Image: Clinic Image: Clinic Image: Clinic North Memorial Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Silver Lake Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Silver Lake Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Image: Clinic Ima	Apple Valley Medical Clinic		318
Allina Medical Clinic St. Cloud Medical Group Hutchinson Medical Center CentraCare Mealth System Affiliated Community Medical Centers Innovis Mealth Burnsville Family Physicians Consultants Internal Medicine North Clinic University of Minnesota Physicians MeritCare Columbia Park Medical Group Mutticare Associates MNCOME Stillwater Medical Group Mutchine of Minnesota Physicians Miccone Miccone St. Mary's/Duluth Clinic Health System Family Medical Group Steven Saliterman, MD Lakeview Clinic North Memorial Clinic Mater Health Services Fairview Mesaba Clinic Fairview Mesaba Clinic Silver Lake Clinic Silver Lake Clinic Merital Center Lakeview Medical Center Lakeview Medical Center Ridgeview Clinics Gennumity Health Care Center Fairview Mealth & Wellness Fremont Community Health Services	Western Wisconsin Medical Associates		36
St. Cloud Medical Group Hutchinson Medical Center CentraCare Health System Affiliated Community Medical Centers Innovis Health Burnsville Family Physicians Consultants Internal Medicine North Clinic University of Minnesota Physicians MeritCare Columbia Park Medical Group Mutticare Associates MNCOME Stillwater Medical Group St. Marys?Duuth Clinic Health System Family Medicine of Winona Glencoe Regional Health Services Steven Saliterman, MD Lakeview Clinic North Memorial Clinic Aspen Medical Group Alexandria Clinic Aspen Medical Conter Fairview Mesaba Clinic Fairview Mesaba Clinic Sillwata Clinic North Memorial Clinic Health Services Steven Saliterman, MD Lakeview Medical Clinic Health Services Fairview Mesaba Clinic Fairview Mesaba Clinic Fairview Mesaba Clinic Fairview Mesaba Clinic Fairview Medical Clinic Health Services Health Services He	Quello Clinic		55
Hutchinson Medical Center CentraCare Health System Affiliated Community Medical Centers Innovis Health Burnsville Family Physicians Consultants Internal Medicine North Clinic University of Minnesota Physicians MeritCare Columbia Park Medical Group Multicare Associates MNCOME St. Mary's/Duluth Clinic Health System Family Medical Group St. Mary's/Duluth Clinic Health System Family Medical Group Lakeview Clinic Aspen Medical Group Alexandria Clinic Family Physicians Family Physicians Family Physicians Family Physicians Family Medical Center Review Clinic Family Medical Center Family Medical	Allina Medical Clinic		4,59
CentraCare Health System Affiliated Community Medical Centers Innovis Health Burnsville Family Physicians Consultants Internal Medicine North Clinic University of Minnesota Physicians MetriCare Columbia Park Medical Group Multicare Associates MNCOME Stillwater Medical Group Stillwater Medical Group Stillwater Medical Group Stillwater Medical Group Lakeview Clinic Aspen Medical Group Alexandria Clinic Family Physicians Family Physicians Family Physicians Family Medical Center Internation Intern	St. Cloud Medical Group		19
Affiliated Community Medical Centers Innovis Health Burnsville Family Physicians Consultants Internal Medicine North Clinic University of Minnesota Physicians MeritCare Columbia Park Medical Group Mutticare Associates Mutticare Associates Stillwater Medical Group Aspen Medical Group Aspen Medical Group Alexandria Clinic Aspen Medical Group Fariview Mesaba Clinic Fariview Medical Center Reville County Hospital and Clinics Westside Community Health Center Ridgeview Clinics Fariner Medical Center Fariner Medical Center Fariner Medical Center Fariny Me	Hutchinson Medical Center		18
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Brainerd Medical Center Edina Sports Health & Wellness Fremont Community Health Services	-		28
Edina Sports Health & Wellness Fremont Community Health Services			38
Fremont Community Health Services			12
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Performance Highlights – Clinic Level Results by Medical Group

High Performers in 2008

Clinic level results by medical group showed that an average of 33 percent of patients with vascular disease met all four required components included in this measure. Family HealthServices Minnesota set the benchmark of 46 percent of vascular patients in full compliance with all four vascular care components. There were 10 of 53 medical groups with rates and confidence intervals fully above the medical group level average. The high-performing medical groups are listed below:

- Family HealthServices Minnesota
- Fairview Health Services
- Winona Clinic
- HealthPartners Medical Group
- St. Paul Heart
- Camden Physicians
- Mankato Clinic
- Park Nicollet Health Services
- HealthEast
- Allina Medical Clinic

High Performers over Five Years

Not applicable.

Biggest Improvements

Not applicable.



Optimal Vascular Care

Optimal Vascular Care^ (Medical Group Level)

This measures the percentage of patients ages 18-75 who have vascular disease and have reached <u>all</u> of the following four treatment goals to reduce the risk of cardiovascular disease:

- Blood pressure less than 130/80 mmHg
- LDL-C less than 100 mg/dl
- Daily aspirin use
- Documented tobacco-free status

This composite rate is calculated using an all-or-none method. Credit is given for achieving this measure when <u>all</u> four components are met. Data collected for this measure are from health plan claims and medical record review.

^ Note: Medical groups that did not participate in direct data submission (DDS) are presented for this measure if they met minimum sampling thresholds (see methodology).

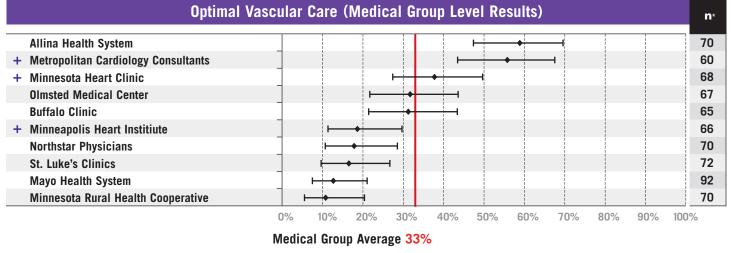
	Statewide Average [*] (Weighted)	95% CI	Numerator (Patients who met treatment goals)	Denominator (Patients sampled)	Total Eligible
Optimal Vascular Care	32.3%	30.9% - 33.6%	1,257	4,575	15,905

No trend chart since measurement specifications changed from last year

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

December 2008

Lower Confidence Level/Upper Confidence Level *n = sample size



+ Cardiology

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Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 33 percent of patients with vascular disease met all four required components included in this measure. Among the groups reported at the medical group level for Optimal Vascular Care, Allina Health System set the benchmark of 59 percent of vascular disease patients in full compliance with all four vascular care components. Two of 10 medical groups had rates and confidence intervals fully above the medical group average for patients. These groups did not participate in the direct data submission process for this measure:

- Allina Health System
- Metropolitan Cardiology Consultants

High Performers over Five Years

Not applicable.

Biggest Improvements

Not applicable because measurement specification changed in 2008.

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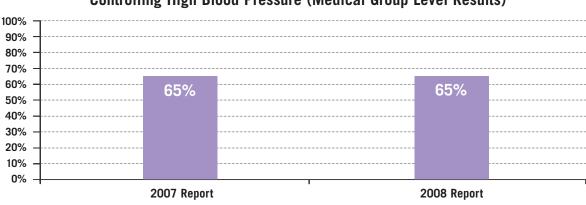


Controlling High Blood Pressure

Controlling High Blood Pressure (Medical Group Level Results)

This measures the percentage of patients ages 18-85 with a diagnosis of hypertension, or high blood pressure, 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 blood pressure occurred after the diagnosis of hypertension was made). Data collected for this measure are from health plan claims and medical record review.

	Statewide Average [*] (Weighted)	95% CI	Numerator (Patients who met treatment goals)	Denominator (Patients sampled)	Total Eligible
BP < 140/90 mmHg	65.4%	64.4%-66.3%	6,529	10,324	130,831



Controlling High Blood Pressure (Medical Group Level Results)

* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

December 2008

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Affiliated Community Medical Centers	_								•	1	12
Northwest Family Physicians	_							H	-	-	65
Family HealthServices Minnesota	_							- F			18
Dimsted Medical Center	_								•		82
HealthPartners Clinics	_								 -+- 		1,26
Alexandria Clinic	_								• 1		71
Fairview Health Services									+ -1		47
nnovis Health	_						H	•			12
Park Nicollet Health Services	_							⊢+-	-		41
Allina Medical Clinic	_							⊢∔∔			71
HealthEast								•	1		17
Bloomington Lake Clinic								•			62
United Family Practice Health Center							H	•	-		84
Mayo Clinic							—	•	-		70
Multicare Associates of the Twin Cities							⊢ ∔──	•	-		67
St. Cloud Medical Group								•			65
St. Mary's/Duluth Clinic Health System							- H				23
Mankato Clinic	1					H					73
Central Lakes Medical Clinic						F	+				66
Ridgeview Clinics											69
Columbia Park Medical Group							+				14
Buffalo Clinic	1						+				65
Northstar Physicians	-						•				18
North Clinic	1						+				92
Fergus Falls Medical Group	-					- H	•				73
Mayo Health System	-					E F					26
MeritCare							-	4			13
St. Luke's Clinics	-					- i	-	4			11
Stillwater Medical Group	-										65
Quello Clinic	-						•				76
Camden Physicians	-					— —	•				69
Broadway Medical Center	-						•				96
Aspen Medical Group	-					·	•				20
Allina Health System	-						•				83
Brainerd Medical Center	-										9
North Memorial Clinic	-										10
Silver Lake Clinic	-										64
Hennepin County	-										50
Sanford Clinic	-										23
Edina Family Physicians	-										6
	-										18
Neighborhood Health Care Network	_										65
Western Wisconsin Medical Associates	-										
University of Minnesota Physicians	_						-				21
CentraCare Health System	-										11
Minnesota Rural Health Cooperative	_				+						15
Lakeview Clinic	-				•		-				6
Fairview Mesaba	_				•						6
Hutchinson Medical Center	-			-	•						8
Avera Health/Avera Tri-State	_		-	•							11
SuperiorHealth Center			-	•	-						70

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Lower Confidence Level/Upper Confidence Level *n = sample size

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Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 66 percent of patients with high blood pressure appropriately controlled. Affiliated Community Medical Centers, Northwest Family Physicians and Family HealthServices Minnesota set the benchmark of 80 percent of patients with controlled high blood pressure. Nine of 50 medical groups had rates and confidence intervals that were fully above the medical group average.

- Affiliated Community Medical Centers
- Northwest Family Physicians
- Family HealthServices Minnesota
- Olmsted Medical Center
- HealthPartners Clinics
- Alexandria Clinic
- Fairview Health Services
- Park Nicollet Health Services
- Allina Medical Clinic

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvements since report year 2007 in Controlling High Blood Pressure (medical group level) were made by **St. Cloud Medical Group, Bloomington Lake Clinic and Northwest Family Physicians,** with each achieving greater than a 22 percentage point increase.

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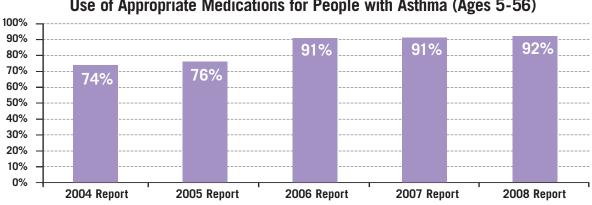


Use of Appropriate Medications for People with Asthma (Ages 5-56) (Medical Group Level Results)

This measures the percentage of patients ages 5-56 with persistent asthma who were appropriately prescribed medication.

The data for this measure are collected from health plan claims.

	Statewide Average	95% CI	Numerator	Denominator
Asthma	91.7%	91.3% - 92.0%	17,405	18,991



Use of Appropriate Medications for People with Asthma (Ages 5-56)

* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

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Edina Sports Health & Wellness					H		31
Burnsville Family Physicians					H		30
Metropolitan Pediatric Specialists						⊢-•	110
Gundersen Clinic						+i	71
Children's Physician Network						IØI	1,46
Hutchinson Medical Center]				H	+	37
Regina Medical Center					E E	+	35
Northwest Family Physicians	1					H+I	10
Grand Itasca Clinic					ŀ	+	67
Affiliated Community Medical Centers						⊢ +I	256
Bloomington Lake Clinic					H	+	63
Family Medicine of Winona							30
Stillwater Medical Group	1					H	25
Alexandria Clinic	1				H		73
CentraCare Health System						H	259
St. Cloud Medical Group						⊢ →1	21
Apple Valley Medical Clinic	1				H		79
Allina Health System					H	+ +1	92
Broadway Medical Center					I	+-1	35
Camden Physicians					H	-	104
Brainerd Medical Center					H	+-1	100
France Avenue Family Physicians	1				L	+1	32
Columbia Park Medical Group					H	+ -1	16
St. Croix Regional Medical Center	1					+ -1	45
Fairview Health Services						H	1,10
Western Wisconsin Medical Associates					H	-	13
Silver Lake Clinic						-	83
Mayo Health System					•		410
Avera Health/Avera Tri-State					H		108
North Memorial Clinic						-	130
HealthPartners Clinics						H	1,81
Park Nicollet Health Services						н	1,23
Allina Medical Clinic						H	1,56

Lower Confidence Level/Upper Confidence Level *n = sample size

ly Practice Medical Center of Willmar							
cato Clinic							1
esota Rural Health Cooperative							2
o Clinic							1
care Associates of the Twin Cities							1
ly HealthServices Minnesota							4
ly Medical Center - Little Falls and Pierz						⊢	4
thPartners Central Minnesota Clinics						⊢	
epin County						⊢	1
ersity of Minnesota Physicians						⊢	1
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ral Lakes Medical Clinic							-
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Living with Illness

St. Cloud Medical Group		1					93
Buffalo Clinic						H-4	59
CentraCare Health System						⊢ •	125
Metropolitan Pediatric Specialists							102
Lakeview Clinic						+++	70
Affiliated Community Medical Centers	1					⊢↓ •1	80
Children's Physician Network						H	1,32
Stillwater Medical Group	1				1		71
Mankato Clinic					. F		68
Western Wisconsin Medical Associates					⊢ ⊢		34
Multicare Associates of the Twin Cities					I		30
Mayo Health System						H+	143
Minnesota Rural Health Cooperative					H		84
Family HealthServices Minnesota					F F		63
HealthEast	-				H		10
HealthPartners Clinics						нн	53
Hennepin County					F		72
Avera Health/Avera Tri-State					- I		53
Columbia Park Medical Group					-		52
Allina Medical Clinic					1		310
Sanford Clinic	-						63
Aspen Medical Group					H		92
Olmsted Medical Center						-+	60
Park Nicollet Health Services					ιĻ		260
Fairview Health Services	-				H	+	294
MeritCare						↓ 	96
St. Mary's/Duluth Clinic Health System					- H		132
Altru Health System	1			I		 -	52
University of Minnesota Physicians	1						61
Innovis Health	1			F	•	_	56
Mayo Clinic				F	•		34
Neighborhood Health Care Network	1			F	• I		61
Northstar Physicians	-			⊢ →			38

Lower Confidence Level/Upper Confidence Level *n = sample size

Use of Appropriate Medications for	Auults	WILLI	Astillia	- Ages	10- 30		oup Level Results)	
Gundersen Clinic								1
Children's Physician Network							⊢++	1
Affiliated Community Medical Centers	-						⊢ →1	
Northwest Family Physicians	-							
Stillwater Medical Group	-						⊢ +1	
Bloomington Lake Clinic	-							
Grand Itasca Clinic	-							1
Camden Physicians	-							
Mayo Clinic	-							
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Apple Valley Medical Clinic Silver Lake Clinic	-							
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Fairview Health Services	_						⊢ +I	
Crossroads Medical Centers								
France Avenue Family Physicians	_							
Alexandria Clinic	_						⊢	
Columbia Park Medical Group	_						F + + - 1	
North Memorial Clinic							⊢ +-1	
Allina Health System								
CentraCare Health System							⊢ •-1	
Park Nicollet Health Services	7						I ◆I	
HealthPartners Central Minnesota Clinics							⊢	
St. Croix Regional Medical Center	1						↓ ↓ ↓ ↓ ↓	
Western Wisconsin Medical Associates	-						⊢	
Brainerd Medical Center	-						► ►	
Edina Family Physicians	-							
St. Cloud Medical Group	-							
HealthPartners Clinics	-							1
Allina Medical Clinic	-							1
	-							
Mayo Health System	_							1
Avera Health/Avera Tri-State	_							
University of Minnesota Physicians	_							
Innovis Health	_							
Family HealthServices Minnesota	_							;
Quello Clinic								
Family Practice Medical Center of Willmar								
Aspen Medical Group							⊢ •-1	
Multicare Associates of the Twin Cities								
Minnesota Rural Health Cooperative	7						⊢	
Mankato Clinic							⊢ →	
Ridgeview Clinics							⊢ → − 1	
Hennepin County							I I I I I I I I I I I I I I I I I I I	
St. Mary's/Duluth Clinic Health System	1						⊢	
HealthEast	1						⊢	
Family Medical Center - Little Falls and Pierz	-							
Altru Health System	-							
MeritCare	4							
SuperiorHealth Center	-							1
Superiornealth Center St. Luke's Clinics	-							
	-							
Lakeview Clinic								
Northstar Physicians	-							
Buffalo Clinic								
Neighborhood Health Care Network	_							
Sanford Clinic								
North Clinic	1						⊢ → -	
Olmsted Medical Center	1						++	
Winona Clinic	1						+	
						1		-

→ Lower Confidence Level/Upper Confidence Level *n = sample size

Medical Group Average 91%

H

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 92 percent of patients with persistent asthma ages 5-56 were appropriately prescribed medication. Metropolitan Pediatric Specialists set the benchmark of 99 percent. Six of 68 medical groups had rates and confidence intervals fully above the medical group average:

- Metropolitan Pediatric Specialists
- Gundersen Clinic
- Children's Physician Network
- Affiliated Community Medical Centers
- Stillwater Medical Group
- CentraCare Health System

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvement since report year 2007 in Appropriate Medication for People with Asthma (medical group level) was made by **SuperiorHealth Center** with a 12 percentage point increase.

"Getting Better" measures

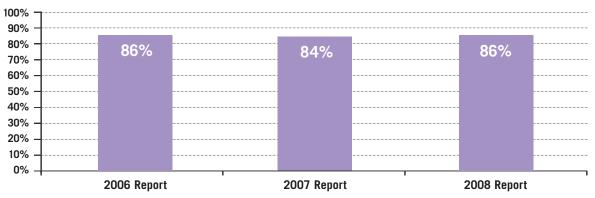
Appropriate Treatment for Children with Upper Respiratory Infection

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. The data collected for this measure are from health plan claims. Note: A higher rate indicates appropriate treatment of children with URI (i.e., the proportion for whom antibiotics were <u>not</u> prescribed).

	Statewide Average [®]	95% CI	Numerator	Denominator
Appropriate Treatment for Children with Upper Respiratory Infection	85.8%	85.5% - 86.1%	35,868	41,812





* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year. This page intentionally left blank.

Appropriate Treatment for Children v	vith Uppe	r Respirate	bry Infectio	n (Medica	I Group	Level Results)	n∗
University of Minnesota Physicians						⊢ ♦I	491
AALFA						l →	- 34
Hennepin County						►	226
Gundersen Clinic						⊢ →-1	125
O Physicians Urgent Care							72
Silver Lake Clinic						• • • • • • • • • • • • • • • • • • •	48
Mille Lacs Clinics						⊢	71
United Clinics of Faribault County						l l	46
HealthPartners Clinics						M	2,429
North Memorial Clinic						-+-1	267
HealthEast						F ◆ 1	429
Grand Itasca Clinic						-+-	162
North Clinic						+-1	117
O Express Healthcare						⊢ •-1	211
HealthPartners Central Minnesota Clinics						-+-	256
Camden Physicians	_						120
Neighborhood Health Care Network						⊢ +1	321
Buffalo Clinic	_					⊢ +-1	514
Children's Physician Network	_					l∳I	4,924
Mayo Clinic	_					⊢ +-1	369
United Family Practice Health Center	_					⊢	87
Allina Health System	_					┝╌┿╌┥	148
• WestHealth Urgent Care						⊢ → 1	154
SuperiorHealth Center	-						66
O MinuteClinic	_					H€H	955
Park Nicollet Health Services	_					H o l	2,171
Quello Clinic	_						139
• The Doctor's Office - Urgent Care	-						181
Lakeview Clinic	-						316
MeritCare	-					⊢ •H	870
Northwest Family Physicians	-						139
Aspen Medical Group	-						489
Metropolitan Pediatric Specialists	-						1,315
Columbia Park Medical Group	-						323
Stillwater Medical Group	-						412
Fergus Falls Medical Group	-						160
O Chaska Urgent Care	-						86
Fairview Health Services	-						2,238 116
Family Practice Medical Center of Willmar	4						
Allina Medical Clinic Hutchinson Medical Center	-						2,697 189
Family HealthServices Minnesota							388
Multicare Associates of the Twin Cities	-						201
Unity Family Healthcare - Avon	-						47
• Priority Pediatrics Urgent Care	-						47 93
Mid Minnesota Family Medicine Center	4						93 54
mu minicoua rainty meticille celler	0% 10)% 20%	30% 40%	6 50%	60% 7)% 80% 90% 10	J J 4 10%
	070 IU	2,0 ∠U/0	0070 4 07				
				Medi	cal Grouj) Average <mark>86%</mark>	

O Urgent/Convenience Care ⊢ Lower Confidence Level/Upper Confidence Level *n = sample size

Appropriate Treatment for Children with	Upper Re	espiratory	Infection	(Medical Gr	oup Level	Results) –	continued	n∗
Western Wisconsin Medical Associates						⊢	•	271
Regina Medical Center	-					H		112
Sanford Clinic	-					F	•	563
Osceola Medical Center	-						•	40
Affiliated Community Medical Centers	-					н	•••	730
Catalyst Medical Clinic	-							39
Olmsted Medical Center	-					H		514
Riverwood Aitkin Clinic	-							69
• Suburban Emergency Associates	1					·		56
Foley Medical Center	-				E F	•		31
Innovis Health	1					⊢	-	467
Winona Health Physicians Clinic	-					•		30
Mankato Clinic	-							705
Apple Valley Medical Clinic	-						-	391
St. Joseph's Family Clinics	-							98
Ridgeview Clinics	-							135
• Maple Grove Urgent Care	-				L	•	-	43
St. Mary's/Duluth Clinic Health System	-							781
Brainerd Medical Center	-							422
Bloomington Lake Clinic	-							52
St. Luke's Clinics	-							204
Fairview Mesaba	-							117
Northstar Physicians	-							244
Winona Clinic	-							166
Alexandria Clinic	-							180
	-							1,506
Mayo Health System	-							682
CentraCare Health System Crossroads Medical Centers	-							62
	-							1
Paynesville Area Health Care System	_							68
Altru Health System	-				F	 1		395
Minnesota Rural Health Cooperative	_					+ -1		661
Tri-County Hospital Clinics - Wadena Medical Cent	er					♦		138
Family Medical Center - Little Falls and Pierz	_					• 1		117
St. Croix Regional Medical Center	_							97
St. Cloud Medical Group	_				⊢ →			277
Riverview Clinics	_				► ⊢			116
Lakewood Health System	_				• • •			150
Central Lakes Medical Clinic	_			ŀ	+			79
Broadway Medical Center	_				⊢			289
Southern Metro Medical Clinics	-			F +				91
Edina Family Physicians	-			+				50
Avera Health/Avera Tri-State	_			I → 1				531
Family Medicine of Winona	-							33
Dr. Bobby K. Yang Medical Clinic	- F	•						
Dr. Bobby K. Yang Medical Clinic		10% 20%		40% 50% Me	dical Grou	0% 80%	86%	31 10%

Getting Better

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed an average of 86 percent of children ages three months to 18 years, with a diagnosis of URI, were appropriately managed without antibiotic. University of Minnesota Physicians set the benchmark of 97 percent. Twenty-six of 91 medical groups had rates and confidence intervals fully above the medical group average:

- University of Minnesota Physicians
- Hennepin County
- Gundersen Clinic
- Physicians Urgent Care
- Mille Lacs Clinics
- HealthPartners Clinics
- North Memorial Clinic
- HealthEast
- Grand Itasca Clinic
- North Clinic
- Express Healthcare
- HealthPartners Central Minnesota Clinics
- Camden Physicians

- Neighborhood Health Care Network
- Buffalo Clinic
- Children's Physician Network
- Mayo Clinic
- Allina Health System
- WestHealth Urgent Care
- MinuteClinic
- Park Nicollet Health Services
- Lakeview Clinic
- MeritCare
- Metropoitan Pediatric Specialists
- Fairview Health Services
- Allina Medical Clinic

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvements since report year 2007 in Appropriate Treatment for Children with URI (medical group level) were made by **Maple Grove Urgent Care** and **United Clinics of Faribault County** each with a 20 percentage point increase.

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"Getting Better" measures

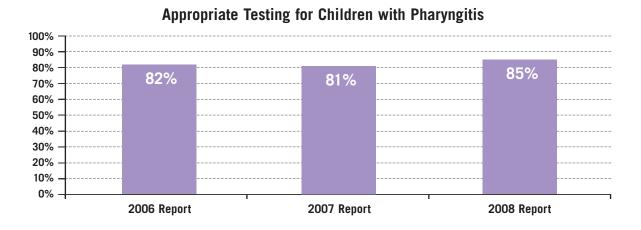
Appropriate Testing for Children with Pharyngitis

Appropriate Testing for Children with Pharyngitis (Medical Group Level Results)

This measures the percentage of children ages 2-18 The data collected for this measure are from with pharyngitis who were given an antibiotic and a group A streptococcus (strep) test.

health plan claims. Note: A higher rate represents better performance (i.e., appropriate testing).

	Statewide Average [*]	95% CI	Numerator	Denominator
Appropriate Testing for Children with Pharyngitis	84.5%	84.2% - 84.9%	29,607	35,026



Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

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	Appropriate Testing for Childr	en wit	h Pha	ryngitis	(Medical	Group	Level	Results)			r
2	MinuteClinic								Т		1,6
	Priority Pediatrics Urgent Care									H	12
	Silver Lake Clinic									⊢→	. 7
	Multicare Associates of the Twin Cities									⊢+	1
	St. Francis Medical Clinic - Urgent Care										4
	Physicians Urgent Care										· ·
'	Baldwin Area Medical Center										44
	Express Healthcare										
	Maple Grove Urgent Care										
	Columbia Park Medical Group	-								H+1	1
	WestHealth Urgent Care										
	Camden Physicians									⊢	
	Stillwater Medical Group									H	5
	Children's Physician Network									M	4,
	The Doctor's Office - Urgent Care								_	+-	1
	HealthPartners Clinics									H	1,4
	Family Practice Medical Center of Willmar									+++	7
	Northwest Family Physicians									⊢++	2
	Parkview Medical Clinic									+-+	1
	Park Nicollet Health Services									I♦I	1,8
	Fairview Health Services									H	1,9
	Foley Medical Center								H		ę
	Unity Family Healthcare - Avon								F		8
	University of Minnesota Physicians								ŀ		1
	Bloomington Lake Clinic	1							-		1
	Edina Family Physicians								-		5
	HealthEast								Т	i - • - 1	4
	Apple Valley Medical Clinic									H-+-1	3
	Regina Medical Center										1
	Neighborhood Health Care Network										1
	Chaska Urgent Care										1
	Ridgeview Clinics								- L		1
	HealthPartners Central Minnesota Clinics										2
	Northstar Physicians										2
	Southern Metro Medical Clinics										1
	Buffalo Clinic								Г		4
	CentraCare Health System										4
	Quello Clinic								F		2
	United Family Practice Health Center							E E			4
	Crossroads Medical Centers	-									1
	St. Croix Regional Medical Center								+	•	1
	Western Wisconsin Medical Associates									♦	2
	Scenic Rivers Health Services									+ 1	4
	Aspen Medical Group									+ 1	3
	Winona Clinic									♦	5
	St. Joseph's Family Clinics									•	1

O Urgent/Convenience Care Here Lower Confidence Level/Upper Confidence Level *n = sample size

North Clinic	_								1			
amily HealthConvises Minnesete	-		1	1	į.		1					81
Family HealthServices Minnesota										H	• 1	259
Paynesville Area Health Care System	1									-	• 1	80
Allina Medical Clinic	1										Hel	2,09
Catalyst Medical Clinic	1										• 1	63
Central Lakes Medical Clinic	1										•	37
Grand Itasca Clinic	1									-	↓	140
Gundersen Clinic	1								⊢		• 1	44
DImsted Medical Center	1									- I		301
Mid Minnesota Family Medicine Center	1											47
Allina Health System	1									-		180
Lakeview Clinic	1											356
St. Cloud Medical Group	1									⊢ •		314
North Memorial Clinic	1									+		112
Riverwood Aitkin Clinic									-	+	-	69
St. Luke's Clinics									ŀ	•	-	155
Hennepin County									-	+	-	109
Family Medical Center - Little Falls and Pierz	1								—	+		78
Suburban Emergency Associates	1							H		•		52
Alexandria Clinic	1								⊢	-		205
Amery Regional Medical Center	1							F				51
Tri-County Hospital Clinics - Wadena Medical Cente	er									-	H	124
nnovis Health	1									H		429
Hutchinson Medical Center	1							⊢	+			103
Mille Lacs Clinics	1								+			77
Lakewood Health System	1								•			89
Affiliated Community Medical Centers	1								.	4		565
Mankato Clinic	-								I	4		483
Mayo Clinic	1							-	+			126
St. Mary's/Duluth Clinic Health System	1							H	•			392
Mayo Health System	1							F	+-1			1,10
Minnesota Rural Health Cooperative	1							H	•			584
Sanford Clinic	1								—			243
MeritCare	1											581
Winona Health Physicians Clinic	1					i i		+				33
Brainerd Medical Center	1						H	 I				278
Fergus Falls Medical Group	1					H		+	-			96
Broadway Medical Center	1					H		•	4			103
Altru Health System	1					-	•	-				267
Stevens Community Medical Center - Morris	1				- -		•					46
Avera Health/Avera Tri-State	1				F	-						363
Riverview Clinics	1				-							114
Fairview Mesaba	1		-	•								92
Metropolitan Pediatric Specialists	H											721
Dr. Bobby K. Yang Medical Clinic												73
	0%	10%	20%	30%	40%	50%	60)% 7	70%	80%	90%	100%

Getting Better

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group results showed that an average of 85 percent of children ages 2-18 years who were diagnosed with pharyngitis were appropriately dispensed an antibiotic and received a strep test. **MinuteClinic** and **Priority Pediatrics Urgent Care** set the benchmark of 99 percent. Thirty-seven of 92 medical groups had rates and confidence intervals fully above the medical group average:

- MinuteClinic
- Priority Pediatrics Urgent Care
- Silver Lake Clinic
- Multicare Associates of the Twin Cities
- St. Francis Medical Clinic-Urgent Care
- Physicians Urgent Care
- Baldwin Area Medical Center
- Express Healthcare
- Maple Grove Urgent Care
- Columbia Park Medical Group
- WestHealth Urgent Care
- Camden Physicians
- Stillwater Medical Group
- Children's Physician Network
- The Doctor's Office-Urgent Care
- HealthPartners Clinics
- Family Practice Medical Center of Willmar
- Northwest Family Physicians
- Parkview Medical Clinic

High Performers over Five Years

Not applicable.

Biggest Improvements

Park Nicollet Health ServicesFairview Health Services

- Foley Medical Center
- Unity Family Healthcare-Avon
- University of Minnesota Physicians
- HealthEast
- Apple Valley Medical Clinic
- Regina Medical Center
- Neighborhood Health Care Network
- Chaska Urgent Care
- Ridgeview Clinics
- HealthPartners Central Minnesota Clinics
- Northstar Physicians
- Southern Metro Medical Clinics
- Buffalo Clinic
- CentraCare Health System
- Quello Clinic
- Allina Medical Clinic

The greatest improvement since report year 2007 in Appropriate Testing for Children with Pharyngitis (medical group level) was made by **Riverwood Aitken Clinic** with a 45 percentage point increase.

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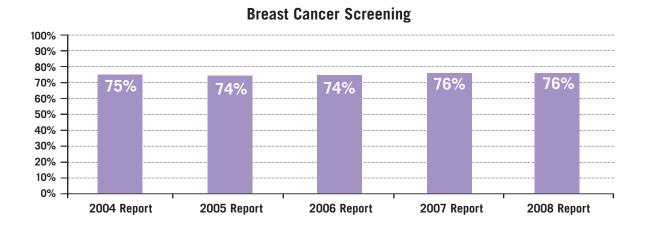
"Staying Healthy" measures Breast Cancer Screening

Breast Cancer Screening (Medical Group Level Results)

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.

	Statewide Average	95% CI	Numerator	Denominator
Breast Cancer Screening	76.5%	76.3% - 76.7%	112,464	147,048



* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

Western OB/GYN						🔶 67
Paul Larson OB/GYN Clinic					⊢⊷	18
Southdale OB/GYN Consultants					i → 1	15
John A. Haugen Associates					⊢	97
Clinic Sofia OB/GYN					⊢ → 1	7:
HealthPartners Central Minnesota Clinics					H+H	1,0
Partners Obstetrics & Gynecology					⊢ +++	13
Associated OB/GYN				 		3
Obstetrics & Gynecology Associates					⊢ → 1	14
Diamond Women's Center					⊢	1
Edina Family Physicians	_				H	8
Grand Itasca Clinic					⊢+I	56
Oakdale Obstetrics and Gynecology				F	• • · · ·	8
Comprehensive Healthcare For Women				 		3
Metropolitan OB & GYN	_			1	→	1
Stevens Community Medical Center - Morris						7
Catalyst Medical Clinic	_			. ⊢		6
Gundersen Clinic					⊢ +I	5
Park Nicollet Health Services					М	10,
HealthPartners Clinics					M	18,
Allina Health System	_				H	1,2
Mayo Clinic	1				H	1,0
New Spirit Women's Clinic						7
Family Practice Medical Center of Willmar	1					24
Metropolitan Medical Associates	_				⊢ → ∔I	2
Women's Health Consultants				 		4
Riverwood Aitkin Clinic	-			F	 +-1	1
OB/GYN West						7
CentraCare Health System					HH	1,6
Olmsted Medical Center	-				H+H	8
Fergus Falls Medical Group	-					4
Mankato Clinic	-				H+H	1,6
Aspen Medical Group	-				Hel	2,7
Alexandria Clinic	-			1	-+ -1	54
Camden Physicians	-				⊢ •-1	99
Central Lakes Medical Clinic	-			F		3
Affiliated Community Medical Centers	1				H	1,6
North Clinic	1				H	1,6
Southdale Internal Medicine	-				L •1	24

■ OB/GYN Lower Confidence Level/Upper Confidence Level *n = sample size

Breast Cancer Scree	ning	(medical	Group L	evel Re	esuits) –	continu	ed		n∗
United Clinics of Faribault County						ŀ		•	57
Obstetrics, Gynecology & Infertility	1							• 1	82
Brainerd Medical Center							1	+ 1	782
Sanford Clinic								↓ ↓	1,49
St. Luke's Clinics							ŀ	→ -1	868
Bloomington Lake Clinic							F	→	556
Quello Clinic							H	•-1	1,06
Burnsville Family Physicians							- H		362
MeritCare									2,22
Edina Sports Health & Wellness							- H		290
Lakewood Health System									182
Lakeview Clinic							H.	н	967
Paynesville Area Health Care System	1								265
Parkview Medical Clinic						F			96
Winona Clinic							- -		493
St. Cloud Medical Group							+		1,14
Northwest Family Physicians							-	-	820
Innovis Health							L+		1,35
Crossroads Medical Centers							⊢	4	477
Fairview Health Services							Hel		7,17
HealthEast	-						- i+		2,86
Altru Health System							⊢	-	668
Consultants Internal Medicine								4	306
Western Wisconsin Medical Associates							- - +		907
Allina Medical Clinic									12,39
Mayo Health System	-						H		3,55
St. Mary's/Duluth Clinic Health System	-								1,91
Tri-County Hospital Clinics - Wadena Medical Center							⊢∳		190
Hutchinson Medical Center									579
Avera Health/Avera Tri-State							-		735
Graceville Health Center Clinic							-		39
Hennepin County									876
Minnesota Rural Health Cooperative							I		1,42
Southern Metro Medical Clinics									201
Family Medical Center - Little Falls and Pierz	-								351
Stillwater Medical Group							I		2,11
Buffalo Clinic									740
-							I		826
Multicare Associates of the Twin Cities									

OB/GYN

Lower Confidence Level/Upper Confidence Level *n = sample size

Apple Valley Medical Clinic				⊢ ♦-1	81
Scenic Rivers Health Services				I	10
Foley Medical Center					81
St. Joseph's Family Clinics				⊢	24
Amery Regional Medical Center				⊢ →	193
Regina Medical Center				⊢	223
Silver Lake Clinic				⊢⊷⊣	66
Broadway Medical Center				⊢ →-1	31
Family HealthServices Minnesota	-			HH	4,22
Richfield Medical Group				⊢ →-1	25
Northstar Physicians	-			⊢⊷⊣	94
France Avenue Family Physicians				F-+-1	25
St. Croix Regional Medical Center	-			⊢ →→1	25
Baldwin Area Medical Center				I A	12
Mille Lacs Clinics	-				15
North Memorial Clinic				⊢⊷⊣	1,0
SuperiorHealth Center	-				33
Unity Family Healthcare - Avon				⊢ → ⊢	8
Fairview Mesaba	-			⊢ → 1	17
Ridgeview Clinics				⊢→ -1	77
University Of Minnesota Physicians	_			⊢← -	1,0
Columbia Park Medical Group				H+H	1,3
Winona Health Physicians Clinic	-		1		8
Riverside Family Physicians				⊢	13
Osceola Medical Center	-		1		11
Lakewood Health Center Clinic					38
Family Medicine of Winona	-		F		15
Riverview Clinics			⊢ ⊢		8
AALFA	-			→ →	7:
United Family Practice Health Center	-		H	 -1	29
Healing Spirit Clinic	-		H	←	38
Kittson Memorial Clinic					72
Neighborhood Health Care Network	-		⊢ → 1		43
Cedar Riverside People's Center			•	4	36

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 82 percent of women ages 52-69 had a mammogram. Western OB/GYN set the benchmark of 100 percent. Twenty-five of 115 medical groups had rates and confidence intervals fully above the medical group average:

- Western OB/GYN
- Paul Larson OB/GYN Clinic
- Southdale OB/GYN Consultants
- John A. Haugen Associates
- Clinic Sofia OB/GYN
- HealthPartners Central Minnesota Clinics
- Partners Obstetrics & Gynecology
- Obstetrics & Gynecology Associates
- Diamond Women's Center
- Edina Family Physicians
- Grand Itasca Clinic
- Gundersen Clinic
- Park Nicollet Health Services

- HealthPartners Clinics
- Allina Health System
- Mayo Clinic
- Family Practice Medical Center of Willmar
- Metropolitan Medical Associates
- CentraCare Health System
- Olmsted Medical Center
- Fergus Falls Medical Group
- Mankato Clinic
- Aspen Medical Group
- Camden Physicians
- Affiliated Community Medical Centers
- North Clinic

High Performers over Five Years

Throughout five years of public reporting, the following medical groups achieved consistently high performance for Breast Cancer Screening:

- Aspen Medical Group
- Camden Physicians
- CentraCare Health System
- HealthPartners Central Minnesota Clinics
- Mankato Clinic
- North Clinic
- Olmsted Medical Center
- Park Nicollet Health Services

- Affiliated Community Medical Centers
- Central Lakes Medical Clinic
- HealthPartners Clinics
- Brainerd Medical Center
- Grand Itasca Clinic
- Gundersen Clinic
- MeritCare
- Mayo Clinic

Biggest Improvements

The greatest improvement since report year 2007 in Breast Cancer Screening was made by **Southern Metro Medical Clinics** with a 14 percentage point increase.

The greatest improvement since report year 2004 in Breast Cancer Screening was made by **Winona Clinic** with a 34 percentage point increase.

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"Staying Healthy" measures

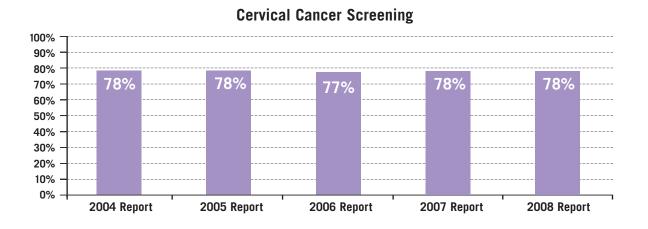
Cervical Cancer Screening

Cervical Cancer Screening (Medical Group Level Results)

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. For health plan members publicly insured through Minnesota Health Care Programs, the continuous enrollment requirement is one year.

The data for this measure are collected from health plan claims.

	Statewide Average*	95% CI	Numerator	Denominator
Cervical Cancer Screening	77.9%	77.7% - 78.0%	254,000	326,203



^{*} Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

Cervical Can												n [,]
Adefris & Toppin Women's Specialists											н	14
Southdale OB/GYN Consultants											н	65
Diamond Women's Center											н	41
Obstetrics, Gynecology & Infertility											H	42
Associated OB/GYN											⊢♦	86
John A. Haugen Associates											H	49
Clinic Sofia OB/GYN											⊢⊷	204
Obstetrics & Gynecology Associates											H	74
OB/GYN West											H	502
Metropolitan OB & GYN											H	463
Paul Larson OB/GYN Clinic											H	539
Western OB/GYN											⊢+I	306
Partners Obstetrics & Gynecology	_										H	641
Advanced Specialty Care For Women											⊢ +I	74
Women's Health Consultants											⊢+I	268
Oakdale Obstetrics and Gynecology											H	494
Comprehensive Healthcare For Women	-										⊢+	166
Northland OB-GYN Associates	1									H	 -1	166
Steven Saliterman, MD	-								-		•	30
Edina Family Physicians	-										H	1,35
Burnsville Family Physicians	-									H	н	622
Family Practice Medical Center of Willmar	-									H	H	586
Edina Sports Health & Wellness	-									. ⊢+	4	570
Catalyst Medical Clinic	-								F	•	-	140
CentraCare Health System	-									H		3,79
Park Nicollet Health Services	-									W		21,79
Quello Clinic	-									H		2,23
Crossroads Medical Centers	-									нн		1,06
Mankato Clinic	-									H		3,99
St. Cloud Medical Group										H		2,80
France Avenue Family Physicians												498
Sanford Clinic	-									H		3,62
Consultants Internal Medicine									E			367
Affiliated Community Medical Centers	-									ю		4,53
Silver Lake Clinic	-									H		1,26
Stevens Community Medical Center - Morris	-								-	• • •		188
Southdale Internal Medicine	-								-			26
North Clinic	-									HH I		3,04
Allina Health System	-									H+H		2,21
Bloomington Lake Clinic										-+-		928
Graceville Health Center Clinic	-							F		•	-4	71
Osceola Medical Center	-									· ·	•	28
Fairview Health Services	-									N I		15,3
	0%	10%	20%	30%	40%	50%	60%	70%	80%		0% 100)%
	0.70		20/0				al Group				270 100	
						weult		AVCIA	5c 0	0 /0		
	OB/GY	/N ⊢		ower Cor	fidence	Level/I	lpper Con	fidence	Leve	el *n	= sampl	e size

Lakeview Clinic									I ++I	2,1
Alexandria Clinic	1								⊬⊷⊣	1,1
Aspen Medical Group									H	5,2
Buffalo Clinic	1								I+I	2,1
Winona Clinic	-								⊦⊷⊣	1,0
Children's Physician Network	-								•	8
Family Medical Center - Little Falls and Pierz	-									66
HealthPartners Clinics	1									36,2
Innovis Health	-								нн	3,4
Allina Medical Clinic	1									27,1
Camden Physicians	-								нн	1,6
Avera Health/Avera Tri-State	-								Hell	1,8
Western Wisconsin Medical Associates	1								н	2,2
Apple Valley Medical Clinic	-								H	1,6
MeritCare	-								⊢ •I	5,3
Lakewood Health System	-							F		44
Mayo Clinic	-								Hel	2,1
Central Lakes Medical Clinic	-							F		-,.
HealthEast	-								H e l	5,2
HealthPartners Central Minnesota Clinics	-									2,1
University Of Minnesota Physicians	-								++1	2,5
North Memorial Clinic	-									1,8
Ridgeview Clinics	-									1,6
Altru Health System	-									1,0
Parkview Medical Clinic	-									24
Northwest Family Physicians	-									1,6
Riverwood Aitkin Clinic	-									41
Riverview Clinics	-									28
Gundersen Clinic	-									1,0
Multicare Associates of the Twin Cities	-									1,6
Fairview Mesaba	-									58
Columbia Park Medical Group	-									2,7
Olmsted Medical Center	-								₩	2,7
	-									2,3
Paynesville Area Health Care System	-								Π.	20
Unity Family Healthcare - Avon Stillwater Medical Group	-									4,2
Brainerd Medical Center	-								₩	4,2
Brainerd Medical Center Baldwin Area Medical Center	-									1,5
	-									3,1
Minnesota Rural Health Cooperative Grand Itasca Clinic	-								H	3,1 1,1
Mille Lacs Clinics	-									24
	-									45
Tri-County Hospital Clinics - Wadena Medical Center	-									
St. Mary's/Duluth Clinic Health System	0%	10%	20%	30%	40%	50%	60%	70% 8	0% 90	4,6
	U /0	10 70	20 %	30 %	+ U 7∕0					70 IUU70
						Medic	al Group	Average	83%	

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Broadway Medical Center				⊢ •−1	699
Foley Medical Center	1			F	189
Metropolitan Medical Associates	1			⊢ →	326
AALFA	1			⊢ •I	222
Riverside Family Physicians	1			⊢ +I	22
Family HealthServices Minnesota	1			H	7,46
Fergus Falls Medical Group	1			⊢ ♦H	1,04
SuperiorHealth Center	1			⊢ ♦-1	78
St. Croix Regional Medical Center	1			⊢ →↓1	56
Richfield Medical Group	1			⊢ →	31:
First Care Medical Services	1			F	50
United Family Practice Health Center				⊢ ♦-	81
Family Medicine of Winona	1			⊢ →∔1	39
Hennepin County				H+H	1,58
Northstar Physicians	-			Here	2,2
Healing Spirit Clinic					70
Lakewood Health Center Clinic	1				91
Amery Regional Medical Center	- 1			F-+-1	31
Scenic Rivers Health Services				⊢ →→↓	21
Mayo Health System	- 1			i ♦I	7,9
Southern Metro Medical Clinics	- 1			⊢ →→	43
Neighborhood Health Care Network				H+H	1,7
United Clinics of Faribault County	-				14
Hutchinson Medical Center				H+H	1,24
St. Luke's Clinics	-			H+H	1,6
New Spirit Women's Clinic	-				13
Regina Medical Center	1				48
St. Joseph's Family Clinics	-				47
Winona Health Physicians Clinic				⊢ → → ↓	16
Cedar Riverside People's Center	- 1		I —	→	13
Kittson Memorial Clinic	1			←	13
Johnson Street Clinic	- 1			→ ↓ ↓ ↓	46
St. Paul Family Medical Center	-		• • •	-	10
Dr. Bobby K. Yang Medical Clinic	-	⊢			66

■ OB/GYN Lower Confidence Level/Upper Confidence Level *n = sample size

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 83 percent of women ages 24-64 had a Pap test in the last three years. Adefris & Toppin Women's Specialists and Southdale OB/GYN Consultants set the benchmark of 100 percent. Thirty-six of 128 medical groups had rates and confidence intervals fully above the medical group average.

- Adefris & Toppin Women's Specialists
- Southdale OB/GYN Consultants
- Diamonds Women's Center
- Obstetrics, Gynecology & Infertility
- Associated OB/GYN
- John A. Haugen Associates
- Clinic Sofia OB/GYN
- Obstetrics & Gynecology Associates
- OB/GYN West
- Metropolitan OB & GYN
- Paul Larson OB/GYN Clinic
- Western OB/GYN

- Partners Obstetrics & Gynecology
- Advanced Specialty Care For Women
- Women's Health Consultants
- Oakdale Obstetrics and Gynecology
- Comprehensive Healthcare For Women
- Northland OB-GYN Associates
- Edina Family Physicians
- Burnsville Family
 Physicians
- Family Practice Medical Center of Willmar
- Edina Sports Health & Wellness

- CentraCare Health System
- Park Nicollet Health Services
- Quello Clinic
- Crossroads Medical Centers
- Mankato Clinic
- St. Cloud Medical Group
- Sanford Clinic
- Affiliated Community Medical Centers
- Silver Lake Clinic
- North Clinic
- Allina Health System
- Fairview Health Services
- Aspen Medical Group
- Health Partners Clinic

High Performers over Five Years

Throughout five years of public reporting, the following medical groups achieved consistently high performance for Breast Cancer Screening:

- CentraCare Health System
- Crossroads Medical Centers
- Mankato Clinic
- Park Nicollet Health Services
- Quello Clinic
- Allina
- Aspen Medical Group
- Buffalo Clinic
- HealthPartners Clinics
- Family Practice Medical Center of Willmar
- Lakeview Clinic

- North Clinic
- St. Cloud Medical Group
- Affiliated Community Medical Centers
- Camden Physicians
- MeritCare
- Western Wisconsin Medical Associates

Biggest Improvements

The greatest improvements since report year 2007 in Cervical Cancer Screening were made by Dr. Bobby K. Yang Medical Clinic, Lakewood Health System, and Tri-County Hospital Clinics – Wadena Medical Center each with an 8 percentage point increase.

The greatest improvement since report year 2004 in Cervical Cancer Screening was made by **Fergus Falls Medical Group** with a 22 percentage point increase.

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"Staying Healthy" measures Colorectal Cancer Screening

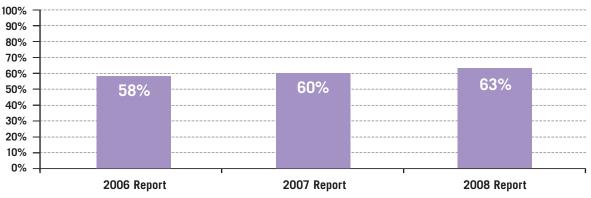
Colorectal Cancer Screening (Medical Group Level Results)

This measures the percentage of adults ages 51-80 who had appropriate screening for colorectal cancer.

Data for this measure are collected from health plan claims and medical record review.

	Statewide Average* (Weighted)	95% CI	Numerator	Denominator (Patients sampled)	Total Eligible
Colorectal Cancer Screening	62.8%	61.8% - 63.9%	4,481	8,265	338,257





* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

CentraCare Health System					μ	-+
SuperiorHealth Center	1					1
Brainerd Medical Center	-				⊢ →	
Camden Physicians	-				• • •	
St. Luke's Clinics	-				► •	14
Allina Health System	-					8
Affiliated Community Medical Centers	-				• • • •	9
Winona Clinic	-				• • •	6
HealthPartners Central Minnesota Clini	- 22					6
Mayo Health System						17
Mayo Realth System Mankato Clinic	-					7
Lakeview Clinic	_					-
	-					6
Mayo Clinic						7
MeritCare	-					8
Olmsted Medical Center					• •	7
Western Wisconsin Medical Associates	-				• 1	6
Alexandria Clinic	_				♦	6
North Memorial Clinic	_				↓	6
HealthPartners Clinics				F	+ −1	93
St. Cloud Medical Group	_				•	6
Allina Medical Clinic	_				∳ 1	41
Multicare Associates of the Twin Cities	_				•1	6
Park Nicollet Health Services	_			⊢ ♦		30
North Clinic						8
Hutchinson Medical Center						10
Apple Valley Medical Clinic				I		6
Family HealthServices Minnesota						11
Innovis Health				I +		8
Northstar Physicians	_			I →	4	2:
St. Mary's/Duluth Clinic Health System	1			· ⊢ → ⊢	-	16
University of Minnesota Physicians	_					10
Fairview Health Services					4	21
Buffalo Clinic	-		F			6
Family Medical Center - Little Falls and	Pierz		F		-	8
Minnesota Rural Health Cooperative	_					13
Quello Clinic	-				-	6
Stillwater Medical Group	-					6
Hennepin County	-					28
Aspen Medical Group	-					16
HealthEast	-			· ·		10
Edina Family Physicians	-			-		6
Northwest Family Physicians	-					6
Bloomington Lake Clinic	_					6
Columbia Park Medical Group	-					8
United Family Practice Health Center	-					6
-	-					1 1
Neighborhood Health Care Network	_		•	1		9
Avera Health/Avera Tri-State	_					10
Altru Health System		 •	-			6

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 67 percent of patients ages 51-80 had appropriate screening for colorectal cancer. **CentraCare Health System** set the benchmark of 91 percent. Eleven of 48 medical groups had rates and confidence intervals fully above the medical group average:

- CentraCare Health System
- SuperiorHealth Center
- Brainerd Medical Center
- Camden Physicians
- St. Luke's Clinics
- Allina Health System
- Affiliated Community Medical Centers
- Winona Clinic
- HealthPartners Central Minnesota Clinics
- Mayo Health System
- HealthPartners Clinics

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvements since report year 2007 in Colorectal Cancer Screening (medical group level) were made by Mayo Health System, Multicare Associates of the Twin Cities and CentraCare Health System each with more than a 25 percentage point increase.

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"Staying Healthy" measures

Cancer Screening Combined

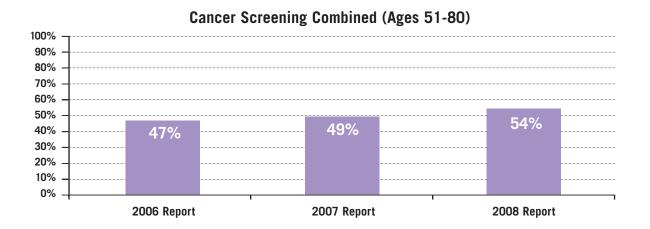
Cancer Screening Combined (Ages 51-80) (Medical Group Level Results)

This measures the percentage of adults ages 51-80 who received appropriate cancer screening services (breast, cervical, colorectal). A patient must be up-to-date for all three components to be considered up-to-date for this measure.

Data for this measure are collected from health plan claims and medical record review.

(Note: This measure uses the same denominator as the Colorectal Cancer Screening measure. For this combined measure, males received an automatic "pass" for the breast and cervical cancer screening components.)

	Statewide Average [*] (Weighted)	95% CI	Numerator	Denominator (Patients sampled)	Total Eligible
Cancer Screening Combined (Ages 51-80)	54.4%	53.3%-55.4%	4,082	8,265	338,257



* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

ControCoro Hoolth Sustan		1	1	1					
CentraCare Health System	_							-	8
SuperiorHealth Center	_								1
St. Luke's Clinics	_								14
Brainerd Medical Center	_						•	-	1
Camden Physicians	_						•	-	6
Mayo Health System	_								1
Mayo Clinic	_					I	+ + + 1		7
HealthPartners Central Minnesota Clinics	_					I	+ 1		6
Mankato Clinic	_					 			7
Alexandria Clinic	_					1	++++1		6
North Memorial Clinic	_				F	1	♦ I		e
Allina Health System	_						•		8
St. Cloud Medical Group					F		•		e
Multicare Associates of the Twin Cities					F				6
Affiliated Community Medical Centers	_				F	•	+		ę
Winona Clinic						•			e
Innovis Health						•	<u>+ - 1</u>		8
Olmsted Medical Center						↓			7
Lakeview Clinic						↓ ◆			e
HealthPartners Clinics						 -			9
Apple Valley Medical Clinic					ļ	•			e
Allina Medical Clinic					H	• •			4
MeritCare						•			8
Park Nicollet Health Services						• 1			3
Northstar Physicians	_								2
Hutchinson Medical Center					H	<u> </u>			1
Family HealthServices Minnesota	_				- H				1
St. Mary's/Duluth Clinic Health System					⊢ →	<u> </u>			1
Family Medical Center - Little Falls and Pierz	-				++	ļ			8
Fairview Health Services	-				⊢	i i			2
Buffalo Clinic	-				+				e
Quello Clinic	-			H					e
Western Wisconsin Medical Associates				H		<u> </u>			e
North Clinic	-				•	4			8
Aspen Medical Group	-			H	•				1
Columbia Park Medical Group	-								5
Northwest Family Physicians	-			L.					e
Edina Family Physicians	-					-1			e
Stillwater Medical Group	-				•	H			6
University of Minnesota Physicians	-				•				1
Bloomington Lake Clinic	-								6
HealthEast	-				•				1
Minnesota Rural Health Cooperative	-			· · ·					1
Neighborhood Health Care Network	-								g
Hennepin County	-								2
Avera Health/Avera Tri-State	-								1
Altru Health System	-								6
United Family Practice Health Center			•	-					6
	0% 1	10% 20	00/ 20	1% 40%	50%	: 60%	70% 80%	90%	
	U %	10% 20					10% 00%	90%	100%
			ivied	ical Group	Average 5	3%			

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 59 percent of patients ages 51-80 had appropriate cancer screening services (breast, cervical and colorectal). **CentraCare Health System** set the benchmark of 86 percent. Ten of 48 medical groups had rates and confidence intervals fully above the medical group average:

- CentraCare Health System
- SuperiorHealth Center
- St. Luke's Clinics
- Brainerd Medical Center
- Camden Physicians
- Mayo Health System
- Mayo Clinic
- HealthPartners Central Minnesota Clinics
- Mankato Clinic
- HealthPartners Clinics

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvement since report year 2007 in Cancer Screening Combined was made by **Brainerd Medical Center** with a 51 percentage point increase.

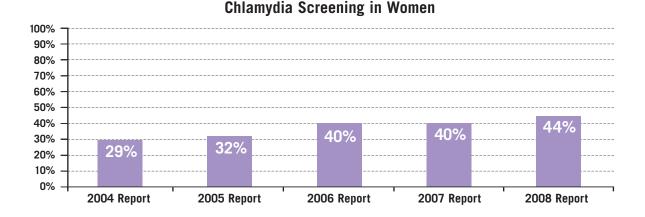
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"Staying Healthy" measures Chlamydia Screening in Women

Chlamydia Screening in Women (Medical Group Level Results)

This measures the percentage of sexually active women aged 16-25 who had at least one test for Chlamydia during the measurement year. *The data for this measure are collected from health plan claims.*

	Statewide Average*	95% CI	Numerator	Denominator
Chlamydia Screening in Women	43.6%	43.2% - 44.0%	26,390	60,591



* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Technical coding issues were identified for some medical groups so their chlamydia screening rates were suppressed in 2006, 2007 and 2008. This page intentionally left blank.

Chlamydia Screening	in Women	– Ages	16 - 25	(Medica	al Group	Level	Results)	n*
Hennepin County							⊢ ♦–1	446
United Family Practice Health Center					н	•	-	155
Northland OB-GYN Associates	-			E F	_	•		42
HealthPartners Clinics						н		6,37
Mid Minnesota Family Medicine Center	-							43
Camden Physicians					⊢ →	-		295
Allina Medical Clinic	-				H+I			5,51
Women's Health Consultants					+		1	42
St. Croix Regional Medical Center	-				+			114
Neighborhood Health Care Network								1,18
Family Practice Medical Center of Willmar	-			F	+			113
Fairview Health Services					H			3,12
Northwest Family Physicians	-				+			305
HealthEast				1				921
Obstetrics, Gynecology & Infertility	-			-	+			62
Western OB/GYN					+	-		46
Crossroads Medical Centers					•			202
Gundersen Clinic				· · · ·	•			168
CentraCare Health System	-				↓			845
Aspen Medical Group					↓			961
Northstar Physicians	-				-			403
Regina Medical Center				- I				137
Stillwater Medical Group	-				-			821
Ridgeview Clinics								327
Obstetrics & Gynecology Associates	-							117
Affiliated Community Medical Centers				· · · · ·	-			946
Allina Health System	-							322
St. Cloud Medical Group				⊢ •	1			737
Buffalo Clinic				⊢	-			537
France Avenue Family Physicians			⊢ ⊢					65
North Memorial Clinic				I	-)			275
Lakeview Clinic					4			451
Mankato Clinic	_			⊢ •				871
Quello Clinic				I +	4			395
Olmsted Medical Center	_			_ i → _	1			493
North Clinic				⊢				478
Oakdale Obstetrics and Gynecology	_			•				109
Silver Lake Clinic					4			223
OB/GYN West	_		F	•				114
Mille Lacs Clinics			—	•				57
Central Lakes Medical Clinic								81
Mayo Clinic				I				353
Park Nicollet Health Services				ii ♦ I				4,054
SuperiorHealth Center			H	•	4			144
Hutchinson Medical Center				 1				277
St. Mary's/Duluth Clinic Health System				H				1,11
Winona Clinic			F					245
Multicare Associates of the Twin Cities			F					363
Foley Medical Center				-				51
Paul Larson OB/GYN Clinic			H	-	4			93
	0% 1	0% 20	% 30%	40%	50% 6	0% 70)% 80%	90% 100%
		Medical	Group Av	erage <mark>46</mark>	%			
	OB/GYN	I		nfidence	ovol /llnn	or Confi	dence Level	*n = sample size
			LOWELO		every ohh		ICHICE LEVEL	ii - Sanipie Size

Edina Family Physicians							1				208
Columbia Park Medical Group											530
Fergus Falls Medical Group											184
Western Wisconsin Medical Associates											523
Metropolitan Pediatric Specialists				· ·	•						211
Partners Obstetrics & Gynecology											153
St. Luke's Clinics											274
Mayo Health System				н							1,80
Burnsville Family Physicians											116
Southern Metro Medical Clinics											110
Children's Physician Network	-			· · ·	-						2,19
Minnesota Rural Health Cooperative											685
Innovis Health	-				_						701
Dr. Bobby K. Yang Medical Clinic											34
Parkview Medical Clinic						L					74
Diamond Women's Center											40
Riverview Clinics											46
Family Medical Center - Little Falls And Pierz											177
Comprehensive Healthcare For Women											30
Brainerd Medical Center											308
Amery Regional Medical Center											113
John A. Haugen Associates											80
Grand Itasca Clinic			1		_ '						215
Metropolitan OB & GYN					<u> </u>						92
Apple Valley Medical Clinic											368
Unity Family Healthcare - Avon											52
Lakewood Health System	-		<u> </u>								99
St. Joseph's Family Clinics			· ·		<u> </u>						67
Edina Sports Health & Wellness											114
Baldwin Area Medical Center				1	1						47
Sanford Clinic											905
Paynesville Area Health Care System					_						136
Riverside Family Physicians		L_									31
Broadway Medical Center				•							150
Winona Health Physicians Clinic	-	L									44
Altru Health System		•		↓	1						482
Alexandria Clinic				•							256
Riverwood Aitkin Clinic		F									82
Avera Health/Avera Tri-State											125
Tri-County Hospital Clinics - Wadena Medical Center											105
Family Medicine of Winona		—									90
Catalyst Medical Clinic		·									41
Stevens Community Medical Center - Morris	-	·		_							55
United Clinics of Faribault County			-								34
St. Paul Family Medical Center											46
Osceola Medical Center		-									71
)% 1	0%	20%	30%	40%	50)% 70%	6 80%	90%	100%

■ OB/GYN Lower Confidence Level/Upper Confidence Level *n = sample size

Staying Healthy

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 46 percent of sexually active women ages 16-25 had a Chlamydia test. Hennepin County set the benchmark of 77 percent. Thirteen of 99 medical groups had rates and confidence intervals fully above the medical group average:

- Hennepin County
- United Family Practice Health Center
- Northland OB-GYN Associates
- HealthPartners Clinic
- Camden Physicians
- Allina Medical Clinic
- St. Croix Regional Medical Center
- Neighborhood Health Care Network
- Family Practice Medical Center of Willmar
- Fairview Health Services
- Northwest Family Physicians
- HealthEast
- Aspen Medical Group

High Performers over Five Years

Throughout five years of public reporting, the following medical groups achieved consistently high performance for Chlamydia Screening:

- HealthPartners Clinic
- Hennepin County
- Neighborhood Health Care Network
- Aspen Medical Group
- Mayo Clinic
- Northwest Family Physicians
- CentraCare Health System
- Lakeview Clinic

Biggest Improvements

The greatest improvement since report year 2007 in Chlamydia Screening was made by Northland OB/GYN Associates with a 37 percentage point increase.

The greatest improvement since report year 2004 in Chlamydia Screening was made by Family Practice Medical Center of Willmar with a 54 percentage point increase.

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"Staying Healthy" measures

Childhood Immunization

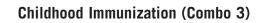
Childhood Immunization (Combo 3) (Medical Group Level Results)

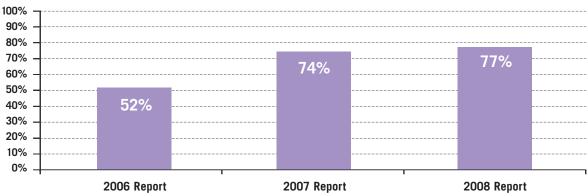
This measures the percentage of children two years of age who had received all of the following vaccines by their second birthdays:

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

- Four DTaP/DT
- Three IPV
- One MMR
- Three H influenza type B
- Three Hepatitis B
- One VZV
- Four pneumococcal conjugate

	Statewide Average [*] 95% CI (Weighted)		Numerator	Denominator (Patients sampled)	Total Eligible
Childhood Immunization	77.5%	76.4% - 78.5%	4,576	6,178	24,353





* Statewide averages (above) include those patients attributed to a medical group AND those who could not be attributed to a medical group. Note: Caution is needed when making comparisons from year to year.

Alexandria Clinic						⊢ I	
CentraCare Health System							 1 1
Affiliated Community Medical Centers	_						→ 1
Park Nicollet Health Services							→ 1 2
HealthPartners Clinics						F	→ I 4
Mankato Clinic							• 1 1
St. Mary's/Duluth Clinic Health System							→ 1 1
Aspen Medical Group							→ 8
Fergus Falls Medical Group						⊢ →	_ (
Multicare Associates of the Twin Cities						⊢	
MeritCare						⊢	
Children's Physician Network						I I I I I I I I I I I I I I I I I I I	5
HealthPartners Central Minnesota Clinics					+	 •	
Allina Medical Clinic						∊∊⋕⋹∊∊	2
St. Cloud Medical Group					F		- 1
Stillwater Medical Group					⊢ ⊢	 	- 0
Lakeview Clinic					H		- 1
Avera Health/Avera Tri-State	_				H		1
University of Minnesota Physicians	_				⊨ ⊢		1
HealthEast	_				H		
Altru Health System	_				⊢ ⊢		1
Olmsted Medical Center	_				⊢		
Metropolitan Pediatric Specialists	_						1
Mayo Health System	_				H	- • - †	2
Fairview Health Services	_				i H		2
Northstar Physicians	_				F	▲ ↓ ↓ ↓	1
Brainerd Medical Center	_				F	◆	1
Columbia Park Medical Group	_			F	•		1
Family HealthServices Minnesota	_			⊢ ⊢	•		
St. Luke's Clinics	_				•		
Fairview Mesaba	_				+		(
Minnesota Rural Health Cooperative	_				•	1	1
Buffalo Clinic	_				•	-	
Mayo Clinic	_				+		
Innovis Health	_				•	-	1
Hennepin County	_						1
Sanford Clinic	_			+	-		2
Neighborhood Health Care Network			+				

Lower Confidence Level/Upper Confidence Level *n = sample size

Performance Highlights – Medical Group Level Results

High Performers in 2008

Medical group level results showed that an average of 78 percent of children two years of age who were up-to-date with all recommended immunizations by their second birthday. Alexandria Clinic set the benchmark of 93 percent. Seven of 38 medical groups had rates and confidence intervals fully above the medical group average:

- Alexandria Clinic
- CentraCare Health System
- Affiliated Community Medical Centers
- Park Nicollet Health Services
- HealthPartners Clinics
- Mankato Clinic
- St. Mary's/Duluth Clinic Health System

High Performers over Five Years

Not applicable.

Biggest Improvements

The greatest improvement since report year 2007 in Childhood Immunization (medical group level) was made by **St. Luke's Clinics** with a 37 percentage point increase.

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Summary of Statewide Results

Table 2 provides an overview of the statewide averages by measure. It also includes the percentage point change in the average rates from report year 2007 to 2008 as well as the percentage point change over time. Statewide results are higher for most measures. Rates for the Controlling High Blood Pressure, Asthma Care and Cervical Cancer Screening measures have remained steady since 2007. Although the rate for the Asthma Care measure has increased over the years, significant changes to the measurement specifications may have contributed to this increase. The slowing pace in improvement for the Asthma Care measure could be attributed, in part, to the high levels of performance.

In the five years that we have been measuring Optimal Diabetes Care, we have seen the number of patients achieving optimal care almost triple. Compared to the 2007 Health Care Quality Report, almost 10,000 more people with diabetes met these aggressive treatment standards. Research tells us that this greatly reduces their risk of experiencing the serious complications of diabetes – strokes, heart attacks, amputations and vision problems. For the Cancer Screening Combined measure, the rate surpassed the 50 percent marker for the first time with a 5 percentage point improvement since the 2007 Health Care Quality Report. This means about 18,000 more patients statewide were screened for breast, cervical and colorectal cancer screening. This increase is likely due to an increase in colorectal cancer screening.

Chlamydia Screening rates increased by almost 1.5 times since the 2004 Health Care Quality Report from 29 percent to 43.6 percent. However, this increase may be due to our decision to suppress the rates for some medical groups that use a particular procedure code that is not recognized in the HEDIS specifications for this measure. Therefore, caution is advised when interpreting this increase.

Among the notable quality improvements since the 2007 *Health Care Quality Report*, Childhood Immunization rates increased by almost 1.5 times since report year 2006, the first year that Combo 3 was measured.

(continued on page 101)

Summary of Statewide Results

Table 2: MN Community Measurement Statewide Results Comparisons to Previous Years

Quality Measure	2008 Statewide Average (2007 Dates of Services)	Percentage Point Change Statewide 2007 vs. 2008	Percentage Point Change Over Time
"Living with Illness" measures			
Optimal Diabetes Care* (Clinic level results)	17.1%	3.6 ↑	3.6↑ <i>(2 years)</i>
Optimal Diabetes Care* (Medical group level results)	13.0%	2.5 ↑	9.1↑ <i>(5 years)</i>
Optimal Vascular Care* (Clinic level results)	32.6%	N/A	N/A
Optimal Vascular Care* (Medical group level results)	32.3%	N/A	N/A
Controlling High Blood Pressure* (Medical group level results)	65.4%	0.1 ↓	0.1 ↓ <i>(2 years)</i>
Asthma Care (Ages 5-56) (Medical group level results)	91.7%	0.4 ↑	17.9↑ (<i>5 years)</i>
"Getting Better" measures	l		
Appropriate Treatment for Children with URI (Medical group level results)	85.8%	1.4 ↑	0.1↑ <i>(3 years)</i>
Appropriate Testing for Children with Pharyngitis (Medical group level results)	84.5%	3.8 ↑	2.7↑ <i>(3 years)</i>
"Staying Healthy" measures			
Breast Cancer Screening (Mammograms) (Medical group level results)	76.5%	1.0 ↑	1.2 ↑ <i>(5 years)</i>
Cervical Cancer Screening (Pap tests) (Medical group level results)	77.9%	0.3 ↑	0.1↑ <i>(5 years)</i>
Colorectal Cancer Screening* (Medical group level results)	62.8%	3.1 ↑	4.5↑ <i>(3 years)</i>
Cancer Screening Combined* – Ages 51-80 (breast, cervical, colorectal) (Medical group level results)	54.4%	5.1 ↑	6.8↑ <i>(3 years)</i>
Chlamydia Screening (Ages 16-25) (Medical group level results)	43.6%	2.8 ↑	14.5↑ <i>(5 years)</i>
Childhood Immunizations* (Medical group level results)	77.5%	3.1 ↑	25.5↑ <i>(3 years)</i>

* These statewide averages are weighted (see methods). N/A = Measurement specifications changed so comparisons cannot be made.

Highest Performers in 2008 by Medical Group Type

The following tables 3A-3D list the high performing medical groups by type based on measures on which they were reported. These groups had above-average rates on most measures.

Nine primary care medical groups achieved rates that were above average more frequently than others. Each of these medical groups achieved above-average rates on at least half of the measures on which they were reported.

Medical Group	Asthma	URI	Pharyngitis	Optimal Diabetes Care	Optimal Vascular Care	Controlling High BP	Colorectal Cancer Screening	Breast Cancer Screening	Cervical Cancer Screening	Cancer Screening Combo	Chlamydia Screening	Childhood Immunization Status
HealthPartners Clinic 11 of 12		•	•	•	•	•	•	•	•	•	•	•
CentraCare Health System 7 of 12	•		•				•	•	•	٠	•	
Park Nicollet Health Services 7 of 12		•	•		•	•		•	•			•
Fairview Health Services 7 of 12		•	•	•	•	•			•		•	
Affiliated Community Medical Centers 6 of 12	•					•	•	•	•			•
Camden Physicians 6 of 10		•	•		0		•	•		•	•	0
HealthPartners Central Minnesota Clinics 5 of 10		•	•			0	•	•		•	0	
Family Practice Medical Center of Willmar 5 of 8			•	•		0	0	•	•	0	•	0
Children's Physician Network 3 of 6	•	•	•	N/A	N/A	N/A	N/A	N/A		N/A		

Table 3A: High Performing Medical Groups in 2008 – Primary Care

• = Medical group rate and CI fully above average. • = Data size too small to report. N/A = Measure not applicable.

Blank = Measure reported but rate was average or below average.

Highest Performers in 2008 by Medical Group Type

Four urgent/convenience care clinics achieved rates that were above average more frequently than others. Each of these clinics achieved above-average rates on the URI and Pharyngitis measures (Table 3B).

 Table 3B: High Performing Medical Groups in 2008 – Urgent/Convenience Care

Medical Group	URI	Pharyngitis
Express Healthcare - 2 of 2	•	•
Minute Clinic - 2 of 2	•	•
Physicians Urgent Care - 2 of 2	•	•
West Health Urgent Care - 2 of 2	•	•

• = Medical group rate and CI fully above average.

Two cardiology groups achieved rates that were above average more frequently than others. Each of these groups achieved above-average rates on the Optimal Vascular Care measure (Table 3C).

 Table 3C: High Performing Medical Groups in 2008 – Cardiology

Medical Group	Optimal Vascular Care
Metropolitan Cardiology Consultants - 1 of 1	•
St. Paul Heart - 1 of 1	•

• = Medical group rate and CI fully above average.

Nine OB/GYN groups achieved rates that were above average more frequently than others. Each of these medical groups achieved above-average rates on at least two of the three measures on which they were reported (Table 3D).

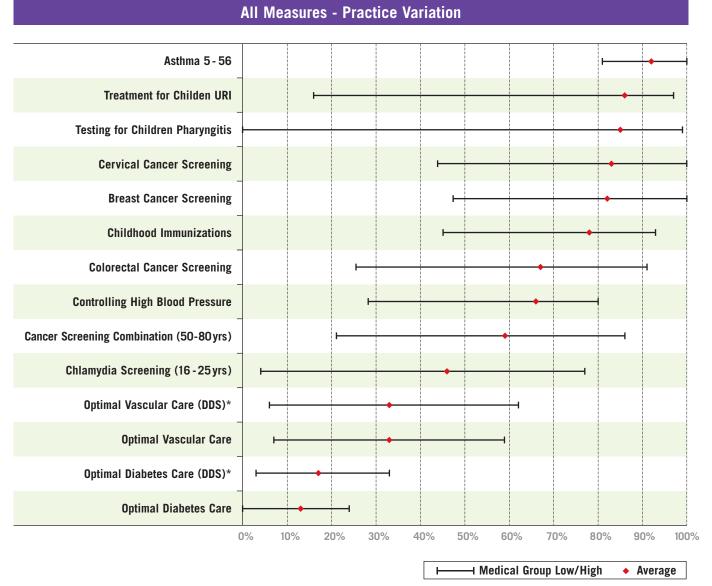
Medical Group	Breast Cancer Screening	Cervical Cancer Screening	Chlamydia Screening
Diamond Women's Center - 2 of 3	•	•	
John A. Haugen Associates - 2 of 3	•	•	
Partners Obstetrics & Gynecology - 2 of 3	•	•	
Paul Larson OB/GYN Clinic - 2 of 3	•	•	
Western OB/GYN - 2 of 3	•	•	
Clinic Sofia OB/GYN - 2 of 2	•	•	0
Northland OB-GYN Associates - 2 of 2	0	•	•
Southdale OB/GYN Consultants - 2 of 2	•	•	0
Obstetrics & Gynecology Associates - 2 of 2	•	•	0

Table 3D: High Performing Medical Groups in 2008 – Obstetrics/Gyncology

• = Medical group rate and CI fully above average. \circ = Data size too small to report.

Medical Group Performance Variation in 2008

For all measures, we observed considerable variation across medical groups. For three measures, some medical groups achieved performance rates of 100 percent.



* Clinic Level Practice Variation

Consistently High Performing Medical Groups Over 5 Years

Five medical groups consistently achieved above-average rates on the four measures that were reported in each of the last five years by MNCM (Table 4). Three groups are urban multispecialty groups; one is a family medicine group; and one is a multispecialty group from Greater Minnesota. HealthPartners Clinics has demonstrated the most consistently high performance over time.

Medical Group	Optimal Diabetes Care	Breast Cancer Screening	Cervical Cancer Screening	Chlamydia Screening
HealthPartners Clinics - 4 of 4	•	•	•	•
Aspen Medical Group - 3 of 4		•	•	•
Camden Physicians - 3 of 4	•	•	•	
CentraCare Health System - 3 of 4		•	•	•
Park Nicollet Health Services - 3 of 4	•	•	•	

Table 4: High-Performing Medical Groups for Five Years

• = Medical group rate and CI fully above average.

Future Plans

From the beginning, MNCM has been dedicated to reporting credible and comparable health care quality information on medical groups and clinics. Today, many organizations view MNCM as a community asset. Our results are being used by health plans and purchasers for their pay-for-performance programs. Medical groups and clinics are using the results to change systems that support their quality improvement efforts. Other organizations are using the results to provide consumers with information about the cost and quality of care from a medical group or clinic. And the data is used by state agencies and the media to inform the public about health care quality in Minnesota.

Our future looks bright. Our Board of Directors is committed to seeing that this work continues to serve our community and add value toward improving our health care system. Next year, for the first time, we will report a Patient Experience measure. It will provide information about consumers' experiences with the health care system. Our studies show us that consumers value this information and would use it to make decisions about their health care. We will also report on a new depression measure collected through our Direct Data Submission process. This new measure was developed in collaboration with the Institute for Clinical Systems Improvement (ICSI), health plans, the Minnesota Department of Human Services and several medical groups. It is based on evidence-based treatment guidelines for depression care.

Next year will bring the development of two new measures – an asthma composite measure and an orthopedic care measure. Additionally, our Reporting Advisory Committee has identified several existing measures that would be suitable for the DDS process. The first measure to transition to the DDS process will be Colorectal Cancer Screening. Childhood Immunization Status and Controlling High Blood Pressure will follow. MNCM will also be reconstructing our Web site to better engage consumers in using our information.

This report, along with the 2007 Health Care Disparities Report, represents our initial efforts to look at MNCM data in new ways. The results will help us fulfill our mission to accelerate the improvement of health by publicly reporting health care information. We will be sharing our findings in future reports.

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Health & Wellness Center, Park Nicollet Health Services, Quello Clinic, Renville County Hospital and Clinics, Richfield Medical Group, Ridgeview Clinics, Riverside Family Physicians, Silver Lake Clinic, Southdale Internal Medicine, St. Cloud Medical Group, St. Mary's/Duluth Clinic, St. Paul Heart, Steven Saliterman, MD, Stevens Community Medical Center, Stillwater Medical Group, United Family Practice Health Center, University of Minnesota Physicians, Western Wisconsin Medical Associates, West Side Community Health Services, Winona Clinic.

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Multispecialty and Primary Care Medical Groups Reported in 2008 - (114)

AALFA

Affiliated Community Medical Centers Alexandria Clinic Allina Health System Allina Medical Clinic Altru Health System Amery Regional Medical Center Apple Valley Medical Center Aspen Medical Group Avera Health/Tri-State Baldwin Area Medical Center **Bloomington Lake Clinic** Brainerd Medical Center Broadway Medical Center **Buffalo** Clinic **Burnsville Family Physicians** Camden Physicians Carlos Fernandez MD Clinic Catalyst Medical Clinic Cedar Riverside People's Center CentraCare Health System Central Lakes Medical Clinic Children's Physician Network Columbia Park Medical Group Community-University Health Care Center **Consultants Internal Medicine** Crossroads Medical Centers Dr. Bobby K. Yang Medical Clinic Edina Family Physicians Edina Sports Health & Wellness Fairview Health Services Fairview Mesaba Family HealthServices Minnesota Family Medical Center – Little Falls And Pierz Family Medicine of Winona Family Practice Medical Center of Willmar Fergus Falls Medical Group First Care Medical Services Foley Medical Center France Avenue Family Physicians

Fremont Community Health Services Glencoe Regional Health Services Graceville Health Center Clinic Grand Itasca Clinic Gundersen Clinic Healing Spirit Clinic HealthEast HealthPartners Central Minnesota Clinics HealthPartners Clinics Hennepin County Hennepin Faculty Associates Hutchinson Medical Center Innovis Health Johnson Street Clinic Kittson Memorial Clinic Lakeview Clinic Lakeview Medical Clinic Lakeville Integrative Medicine Clinic Lakewood Health Center Clinic Lakewood Health System Mankato Clinic Mayo Clinic Mayo Health System Metropolitan Medical Associates Metropolitan Pediatric Specialists MeritCare Mid Minnesota Family Medicine Center Mille Lacs Clinics Minnesota Rural Health Cooperative Multicare Associates of the Twin Cities Neighborhood Health Care Network New Spirit Women's Clinic North Clinic North Memorial Clinic NorthPoint Health & Wellness Center Northstar Physicians Northwest Family Physicians

Olmsted Medical Center Osceola Medical Center Park Nicollet Health Services Parkview Medical Clinic Paynesville Area Health Care System **Ouello** Clinic Regina Medical Center Renville County Hospital and Clinics **Richfield Medical Group Ridgeview Clinics Riverside Family Physicians Riverview Clinics** Riverwood Aitkin Clinic Scenic Rivers Health Services Silver Lake Clinic Sanford Clinic Southdale Internal Medicine Southern Metro Medical Clinics St. Cloud Medical Group St. Croix Regional Medical Center St. Joseph's Family Clinics St. Luke's Clinics St. Mary's/Duluth Clinic Health System St. Paul Family Medical Center Steven Saliterman, MD Stevens Community Medical Center - Morris Stillwater Medical Group SuperiorHealth Center Tri-County Hospital Clinics -Wadena Medical Center United Clinics of Faribault County United Family Practice Health Center Unity Family Healthcare - Avon University of Minnesota Physicians West Side Community Health Services Western Wisconsin Medical Associates Winona Health Physicians Clinic Winona Clinic

Other Types of Medical Groups Reported in 2008

3 Endocrinology Clinics

Endocrinology Clinic of Mpls Mark P. Stesin, MD MN Center for Obesity, Metabolism and Endocrinology (MNCOME)

4 Cardiology Clinics

Metropolitan Cardiology Consultants Minneapolis Heart Institute Minnesota Heart Clinic St. Paul Heart Clinic

18 Obstetrics/Gynecology Clinics

Adefris & Toppin Women's Specialists Advanced Specialty Care for Women Associated OB/GYN Clinic Sofia OB/GYN Comprehensive Healthcare for Women Diamond Women's Center John A. Haugen Associates Metropolitan OB & GYN Northland OB-GYN Associates **OB/GYN West**

Oakdale Obstetrics and Gynecology Obstetrics & Gynecology Associates Obstetrics, Gynecology & Infertility Partners Obstetrics & Gynecology Paul Larson OB/GYN Clinic Southdale OB & GYN Consultants Western OB/GYN Women's Health Consultants

11 Urgent/Convenience Care Clinics

Chaska Urgent Care Express Healthcare Maple Grove Urgent Care MinuteClinic Now Care Medical Centers Physicians Urgent Care Priority Pediatrics Urgent Care St. Francis Medical Clinic - Urgent Care Suburban Emergency Associates The Doctor's Office - Urgent Care WestHealth Urgent Care

We wish to thank all medical groups and clinics in Minnesota and bordering communities for their continued commitment to quality improvement as a means to provide the best care possible.



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