# 2005 Health Care Quality Report



MN Community Measurement's Health Care Quality Report features comparative provider group performance on preventive care screening and treatment of chronic conditions.

www.mnhealthcare.org

Final – November 15, 2005

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November 2005

MN Community Measurement<sup>®</sup> (MNCM) is an important collaborative effort among organizations that provide and pay for health care in Minnesota. It serves as a reliable source of health care quality information. MN Community Measurement was founded by the Minnesota Council of Health Plans and the Minnesota Medical Association with support from the Minnesota Medical Group Management Association, the Institute for Clinical Systems Improvement and employers throughout Minnesota. Last year was the first time that MN Community Measurement publicly reported on health care quality measures.

The 2005 Health Care Quality report features comparative provider group performance on preventive care screening and chronic disease care. A primary objective of this report is to provide information to support provider group quality improvement. Provider groups will find this report useful to improve health care systems for better patient care. Sharing results with the public provides recognition for provider groups that are doing a good job now and motivates other groups to work harder. The report will allow provider groups to track their progress from year-to-year and to set and measure goals for future health care initiatives.

An equally important objective is encouraging health care providers to join in the effort to make the initiative a valuable resource to patients. Providers across the state continue to work with MN Community Measurement to respond to patient need for more detailed health care information. Many clinics are encouraging patients to view the information and use it when making health care decisions. Our website provides patients with a tool to create an open dialogue with their physician and discuss ways they can improve their own care. Not all healthcare is the same and it is important for consumers to be aware of the differences that may affect their individual healthcare experience.

A new board was formed earlier this year, and upholding MNCM as a community-owned project is of utmost importance. Board members are committed to carrying the work forward with a broadened coalition. Provider group support for a more transparent healthcare system and commitment to delivering excellent patient care is essential to our future success. We look forward to your participation, insight and guidance in this critically important part of transforming health care.

Thank you,

John Frederick, MD, Board Chair MN Community Measurement

I, PA

Jim Chase, Executive Director MN Community Measurement



## MN Community Measurement 2005 Health Care Quality Report

(2004 Dates of Service)

## **Key Contributors:**

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## MN Community Measurement 2005 Health Care Quality Report

**Executive Summary** 



Health care quality has become an increasingly hot topic among policy makers, employers and health care providers. Public reporting of comparative performance information is one strategy that assists efforts to establish greater accountability for the quality of health care and services provided. MN Community Measurement's integrated data set of health care quality information allows for reporting at the provider group level in Minnesota. It also serves as a mechanism for activating consumers by providing the right tools and information to help them make informed decisions about their health care.

The goal of MN Community Measurement is to improve patient care for all Minnesotans. The 2005 Health Care Quality Report measures the quality of clinical care throughout Minnesota and bordering counties. It provides accurate, comparative information on the quality of care at Minnesota's provider groups.

We have good news! Provider groups' efforts to improve care are showing up in better results. Community-wide, many measures have improved over last year. And the results aren't just numbers, but a real impact on people's lives. These improvements mean fewer complications and deaths from these conditions. But, again this year, we see significant variation in results across provider groups, so we know there continues to be room for improvement. This year's report assesses 10 clinical topics and includes over 40 individual measures relating to treatment of asthma, depression, diabetes and hypertension; immunizations for children and adolescents, well care for infants; and screening for breast cancer, cervical cancer and chlamydia infection. The report provides results on the quality of treatment at 54 provider groups (representing more than 700 clinics) throughout Minnesota and bordering counties. The report highlights excellent performance as well as opportunities for improvement.

The Optimal Diabetes Care measure (patients meeting <u>all</u> 5 treatment targets to decrease their risk of developing cardiovascular complications)<sup>1</sup> is reported for the fourth year. We also report an Optimal Diabetes Care measure with revised targets to align with the Institute for Clinical Systems Improvement's most recent guidelines. Other quality measures are based on HEDIS<sup>®</sup> (Health Plan Employer Data and Information Set) definitions. Over the past year, Minnesota's Optimal Diabetes Care rate increased by 33 percent, from 12 percent in 2004 to 16 percent in 2005.

(continued on page 4)

'Agency for Healthcare Research and Quality (AHRQ), National Quality Measures Clearinghouse <u>http://www.qualitymeasures.ahrq.gov/summary/summary.aspx?ss=</u> 1&doc\_id=4307

## Executive Summary

Optimal Diabetes Care (reaching all cardiovascular risk treatment goals) puts patients at the center of our quality assessment. In 2005, an achievable benchmark of 40 percent has been established by Family HealthServices Minnesota that will challenge all Minnesota provider groups to evaluate the care they provide and improve to the highest possible standard. A total of eight provider groups topped the 2004 optimal diabetes care benchmark of 31 percent including:

- Family HealthServices Minnesota
- Affiliated Community Medical Centers
- HealthPartners Medical Group
- Columbia Park Medical Group
- Multicare Associates of the Twin Cities
- SuperiorHealth Medical Group
- Stillwater Medical Group
- Western Wisconsin Medical Associates

## **Key Findings**

- · Overall community rates are improving.
- Practice variation exists across all quality measures as the graph on page 6 highlights, reflecting opportunity for improvement.
- Rates of breast and cervical cancer screening, and asthma care are the highest and least variable.
- All Children's Health measures improved.
- Diabetes HbAlc, LDL-C, and Blood Pressure assessment rates are high, yet the percent of patients reaching target levels has room for improvement.
- No provider group has the highest or the lowest rate across all measures.

## **Methodology**

This year, the National Committee for Quality Assurance (NCQA) selected stratified random samples for each provider group for the following four measures:

- Optimal Diabetes Care
- Childhood Immunization Status
- Adolescent Immunization Status
- Controlling High Blood Pressure

These measures require a hybrid method data collection (administrative data and chart review.) The sample for each measure was a stratified random sample by health plan/product line/provider group. The results were weighted to get accurate weights. This allowed for aggregation and unbiased reporting by provider group. The actual sample was selected randomly with the SAS SURVEYSELECT procedure.

Rates and 95 percent confidence bounds were calculated for each measure for any provider group with 60 or more observations in the sample. A minimum threshold of at least 60 patients per medical group was established for public reporting of the four hybrid measures. A minimum threshold of 30 patients per provider group was established for public reporting of the measures based on administrative data only.

Weighting is a cost saving measure that allows MN Community Measurement to draw a smaller sample on which to estimate group and community rates. Weighting does not affect any results; it is intended to efficiently utilize health plan resources to collect data. Regardless of the sampling scheme used from one year to the next there can be fluctuation in rates due to natural variation and/or changes to the delivery

(continued on page 5)

## **Executive Summary**

system. The stratified random sample used in 2005 is a more rigorous sampling strategy and represents an improvement. Scientifically, it is a truer picture of probable performance. However, sampling methodology does not impact rates. It is most likely that improvement can be attributed to increased quality improvement efforts from provider groups.

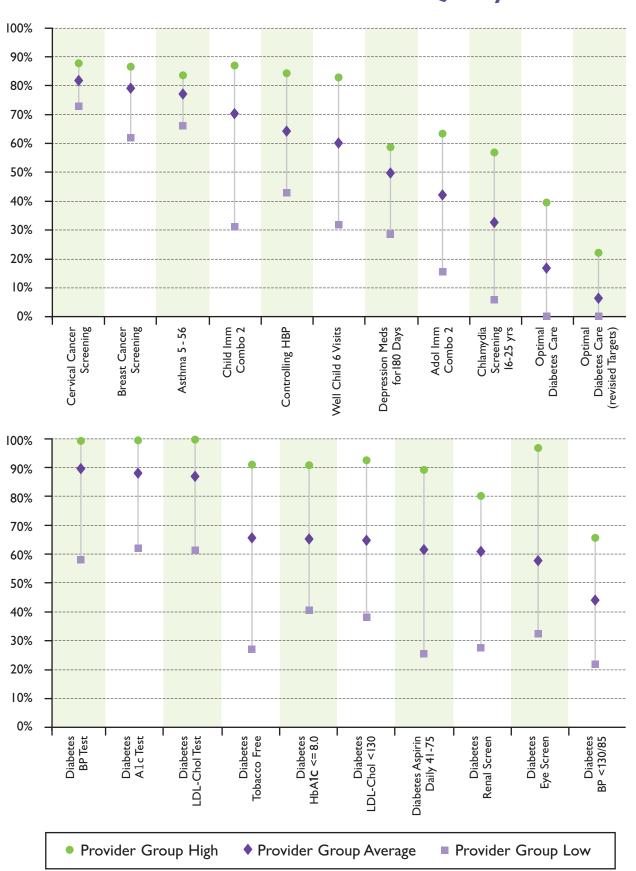
The oversample cases were added to the original sample to make use of all collected data. A routine was created and added prior to calculation of weighted statistics to accommodate the addition of the oversamples to the processing. This routine ensures that the sum of the weights is equal to the specified number of eligible members. This is done at the health plan/product line/provider group levels. This routine was conducted separately for each hybrid measure since each had its own sample and relevant eligible counts.

The resources required collecting and reporting accurate measures are extensive. The data in this report were derived from administrative data provided to health plans and, in selected instances, review of randomly sampled medical records by trained data abstractors. Rigorous validity check processes were incorporated into the data gathering and aggregation before publishing. The following eight Minnesota health plans made a significant commitment of resources to integrate their data for purposes of public reporting at the provider group level representing an unprecedented collaborative effort:

- Blue Cross and Blue Shield of Minnesota
- First Plan of Minnesota
- HealthPartners
- Medica
- Metropolitan Health Plan
- PreferredOne
- UCare Minnesota

South Country Health Alliance, a county-based purchasing organization of nine counties located primarily in southeast Minnesota, submitted data for the first time for all measures except Controlling High Blood Pressure.

The following managed care products are included in the MN Community Measurement data set: commercial fully- and self-insured, Medicare and Minnesota Public Health Care Programs.



## **Practice Variation Exists Across All Quality Measures**

## **Executive Summary**

## **Future Plans**

The following measures are being considered for the 2006 Quality Report:

- Coronary Artery Disease (CAD) Care
- Colorectal Cancer Screening
- Cancer Screening Composite ages 50-80 (breast, cervical, colorectal)
- Appropriate Treatment for Children with
- Upper Respiratory Infection
- Appropriate Testing for Children with Pharyngitis

We also plan to expand the number of reportable primary care groups and begin reporting specialty provider group performance including diabetes care of endocrinology groups and CAD care of cardiology groups. Because most Adolescent Immunizations are now recommended in childhood, MN Community Measurement will no longer report these measures. Also, the Childhood Immunization measure Combo I (without varicella) will be retired in accordance with 2006 HEDIS specifications. For 2007 and beyond, MNCM is exploring inclusion of the following types of measures:

- Patient Experience
- Efficiency
- Procedure volumes by hospital and by surgeon
- Use of clinical Information Systems (EMRs, electronic prescribing, etc.)
- Equity, safety and timeliness of care
- Access to care
- More specialties
- New HEDIS measures

In addition to expanding the measurement set, we are considering including data from health care organizations such as county-based purchasers and large health care coalitions.

## Executive Summary

## **54 Participating Provider Groups in 2005**

Affiliated Community Medical Center	Lakeview Clinic
Allina	Mankato Clinic
Altru Health System	Mayo Clinic
Aspen Medical Group	Mayo Health System
Avera Health/Tri-State	MeritCare
Brainerd Medical Center	MN Health Network (MHN)
Buffalo Clinic	MN Rural Health Cooperative
Camden Physicians	Multicare Associates of the Twin Cities
CentraCare Health System	Neighborhood Health Care Network
Central Lakes Medical Center	North Clinic
Children's Physician Network	North Memorial Clinic
Columbia Park Medical Group	Northstar Physicians
Crossroads Medical Centers	Northwest Family Physicians
Dakota Clinic	Olmsted Medical Center
Edina Family Physicians	Park Nicollet Health Services
Fairview Health Services	Quello Clinic
Fairview Mesaba Clinic	Regina Medical Center
Family HealthServices Minnesota	Ridgeview Care System
Family Practice Medical Center of Willmar	Riverwood Aitkin Clinic
Fergus Falls Medical Group	St. Luke's Clinics
Grand Itasca Clinic	St. Cloud Medical Group
Gundersen Clinic	St. Mary's/Duluth Clinic Health System
HealthEast	Stillwater Medical Group
HealthPartners Central Minnesota Clinics	SuperiorHealth Medical Group
HealthPartners Medical Group	University of Minnesota Physicians
Hennepin County	Western Wisconsin Medical Associates
Hutchinson Medical Center	Winona Clinic

## MN Community Measurement 2005 Summary of Community-Wide Results

(2004 Dates of Service)

Quality Measure	Rate	<b>± 95%</b>	Eligible Population	Page
Asthma Care				10
Ages 5-56	75.9%	0.6%	22,250	10
Ages 5-17	76.5%	1.0%	7,433	12
Ages 18-56	75.6%	0.7%	14,817	13
Behavioral Health				14
Depression Treatment – Acute Phase	65.8%	0.8%	13,143	14
Depression Treatment – Continuation Phase	49.3%	0.9%	13,143	15
Children's Health				16
Immunizations				
Children	67.8%*	1.4%	28,834	17
Adolescents	38.9%*	1.5%	26,389	18
Well Child Visits	58.8%	0.6%	23,933	20
Diabetes Care				22
Optimal Care (all 5 cardiovascular risks at target)	15.5%*	0.9%	52,083	23
HbA1c <=8.0	62.3%*	1.2%	52,083	24
Blood Pressure <130/85	41.7%*	1.2%	52,083	25
LDL-C <130	<b>62.9%</b> *	1.2%	52,083	26
Aspirin Use	60.3%*	1.2%	25,318	27
Documented Tobacco Free	63.6%*	1.2%	52,083	29
Optimal Care (all 5 cardio risks at revised targets)	5.9%*	0.6%	52,083	30
HbA1c <=7.0	41.8%*	1.2%	52,083	32
Blood Pressure <130/80	32.3%*	1.2%	52,083	33
LDL-C <100	<b>37.9%</b> *	1.2%	52,083	35
Aspirin Use	60.3%*	1.2%	25,318	27
Documented Tobacco Free	63.6%*	1.2%	52,083	29
High Blood Pressure Treatment	64.1%*	1.2%	79,408	40
Women's Health				42
Breast Cancer Screening (Mammogram)	74.4%	0.3%	108,580	42
Cervical Cancer Screening (Pap smears)	77.8%	0.3%	314,869	43
Chlamydia Screening (Ages 16-25)	31.7%	0.2%	58,430	46

 $^{*}$  Reflects the weighted overall rate for this measure

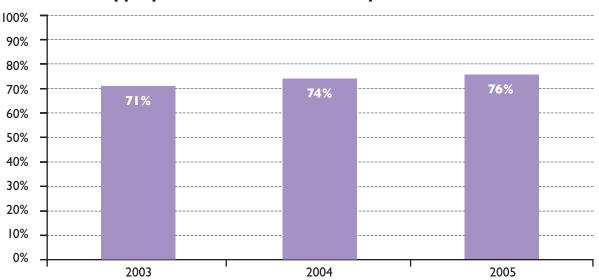
## **Asthma Care**

## Use of Appropriate Medications for People with Asthma – Ages 5 to 56

This measures the percentage of patients age 5 to 56 years old with persistent asthma who were continuously enrolled in their health plan during the measurement year and were evaluated as having been prescribed medications that are

accepted as primary therapy for long-term control of asthma (Cromolyn sodium inhaled corticosteroids; Nedocromil; Leukotriene modifiers methylxanthines).

Use of Appropriate Medications for People with Asthma	Overall Rate	<b>± 95</b> %	Numerator	Denominator
All Ages (5-56)	75.9%	0.6%	16,889	22,250
Ages 5-9	77.3%	1.6%	2,053	2,655
Ages 10-17	76.0%	1.2%	3,630	4,778
Ages 5-17	76.5%	1.0%	5,683	7,433
Ages 18-56	75.6%	0.7%	11,206	14,817



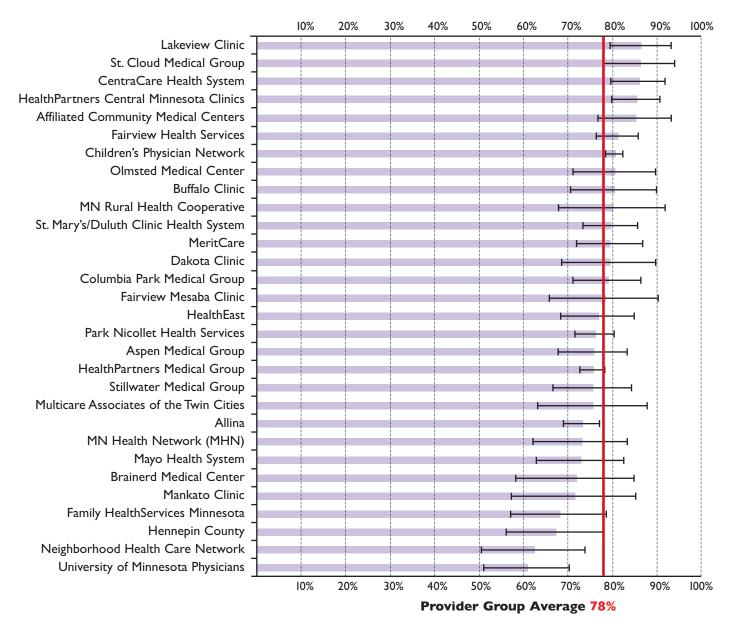
## Use of Appropriate Medications for People with Asthma 5-56

#### 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Northwest Family Physicians MN Rural Health Cooperative **Olmsted Medical Center** Camden Physicians Affiliated Community Medical Centers HealthPartners Central Minnesota Clinics **Brainerd Medical Center** MN Health Network (MHN) **MeritCare** Children's Physician Network Lakeview Clinic St. Cloud Medical Group Northstar Physicians Park Nicollet Health Services CentraCare Health System Gundersen Clinic Family HealthServices Minnesota Columbia Park Medical Group Fairview Health Services Fairview Mesaba Clinic North Memorial Clinic Stillwater Medical Group St. Mary's/Duluth Clinic Health System Aspen Medical Group Altru Health System St. Luke's Clinics **Ridgeview Care System** Dakota Clinic HealthPartners Medical Group HealthEast Western Wisconsin Medical Associates Multicare Associates of the Twin Cities Mayo Health System Allina Winona Clinic SuperiorHealth Medical Group Buffalo Clinic Grand Itasca Clinic North Clinic **Crossroads Medical Centers** Hennepin County **Quello Clinic** Mankato Clinic Avera Health/Tri-State University of Minnesota Physicians Neighborhood Health Care Network Mayo Clinic 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 77%

## Use of Appropriate Medications for People with Asthma – Ages 5 to 56

Lower Confidence Level / Upper Confidence Level

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## Use of Appropriate Medications for People with Asthma - Ages 5 to 17

Lower Confidence Level / Upper Confidence Level

#### 10% 20% 30% 50% 70% 80% 90% 100% 40% 60% Brainerd Medical Center **Olmsted Medical Center** MN Rural Health Cooperative **Camden Physicians** MN Health Network (MHN) Northstar Physicians Northwest Family Physicians MeritCare Gundersen Clinic Affiliated Community Medical Centers Family HealthServices Minnesota HealthPartners Central Minnesota Clinics Park Nicollet Health Services Children's Physician Network North Memorial Clinic Columbia Park Medical Group **Ridgeview Care System** Western Wisconsin Medical Associates Stillwater Medical Group Aspen Medical Group Fairview Mesaba Clinic Fairview Health Services Winona Clinic University of Minnesota Physicians St. Mary's/Duluth Clinic Health System St. Luke's Clinics St. Cloud Medical Group HealthPartners Medical Group Altru Health System **Crossroads Medical Centers** Mayo Health System Hennepin County Allina HealthEast Dakota Clinic Multicare Associates of the Twin Cities CentraCare Health System Lakeview Clinic North Clinic Neighborhood Health Care Network **Quello Clinic** Mankato Clinic Buffalo Clinic SuperiorHealth Medical Group Mayo Clinic 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% **Provider Group Average 77%** Lower Confidence Level /Upper Confidence Level

### Use of Appropriate Medications for People with Asthma - Ages 18 to 56

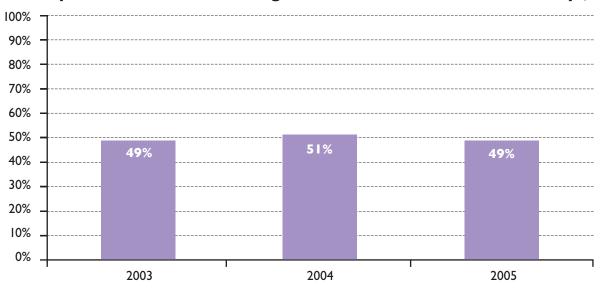
## **Depression**

### **Antidepressant Medication Management**

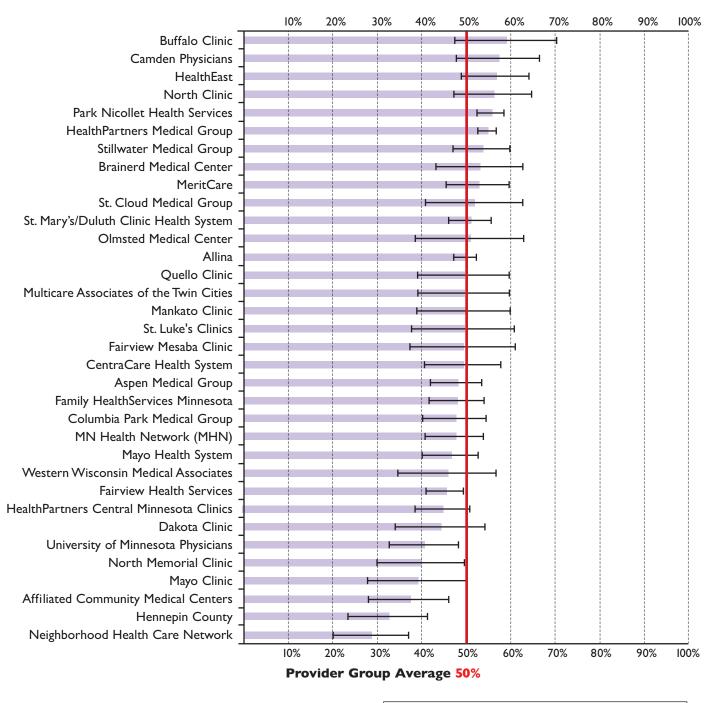
This measures the percentage of patients age 18 years or older as of April 30 of the measurement year, continuously enrolled in their health plan from 120 days prior to and 245 days following the diagnosis of major depression, who were diagnosed with a new episode of depression and treated with antidepressant medication as defined by:

- Acute treatment phase: members who remained on antidepressant medication for the entire l2-week (84 days) acute treatment phase
- Continuation treatment phase: members who remained on antidepressant medication for at least 6 months (180 days).

Antidepressant Medication Management	Overall Rate	<b>± 95</b> %	Numerator	Denominator
Acute Phase Treatment - 84 days	65.8%	0.8%	8,641	13,143
Continuation Phase Treatment - 180 days	49.3%	0.9%	6,479	13,143



## **Antidepressant Medication Management – Continuation Phase (180 days)**



## **Remaining on Antidepressant Medication for 180 Days**

Lower Confidence Level/Upper Confidence Level

## **Children's Health**

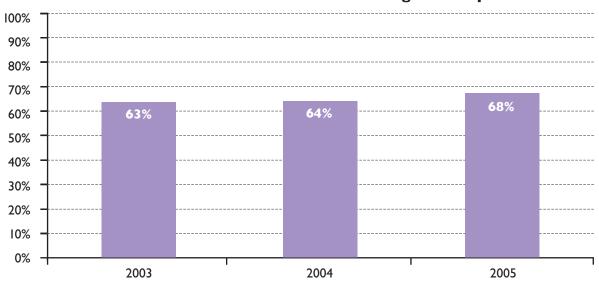
## **Childhood Immunization Status**

This measures the percentage of children who turned two years old in the measurement year who were continuously enrolled in their health plan for 12 months immediately preceding their second birthday and who have received the following:

- Four diphtheria-pertussis-tetanus (DTP or DTaP) vaccinations by the second birthday with at least one diphtheria and one tetanus following on or between the child's first and second birthday. Any vaccination administered prior to 42 days after birth is not counted.
- At least three polio vaccinations (OPV or IPV) on or before the second birthday. OPV/IPV administered before 42 days after birth cannot be counted.

- At least one measles, mumps, rubella (MMR) vaccination between the first and second birthdays.
- Three H influenza type B (HiB) vaccinations on or before the second birthday (with at least one of them falling between the first and second birthdays). HiB administered before 42 days after birth cannot be counted.
- Three hepatitis B vaccinations on or before the second birthday (with at least one of them falling between the sixth month and second birthday).
- At least one chicken pox vaccination (VZV) on or between the first and second birthdays.

Childhood Immunization Status	Weighted Rate	± 95%	Total Fully Immunized	Denominator	Total Eligible
Children with all immunizations including chickenpox	67.8%	1.4%	2,814	4,408	28,834
Children with all immunizations <u>except</u> chickenpox	72.4%	1.3%	3,043	4,408	28,834



## **Childhood Immunization Status Including Chickenpox**

#### 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Children's Physician Network Mayo Clinic Columbia Park Medical Group Lakeview Clinic Stillwater Medical Group CentraCare Health System Multicare Associates of the Twin Cities Family Practice Medical Center of Willmar Quello Clinic HealthPartners Medical Group St. Cloud Medical Group Affiliated Community Medical Centers Western Wisconsin Medical Associates Park Nicollet Health Services **Camden Physicians Olmsted Medical Center** Mankato Clinic Winona Clinic Brainerd Medical Center Avera Health/Tri-State Altru Health System Allina St. Mary's/Duluth Clinic Health System MN Rural Health Cooperative Fergus Falls Medical Group **Buffalo Clinic** Mayo Health System HealthEast Aspen Medical Group Hennepin County Family HealthServices Minnesota Dakota Clinic SuperiorHealth Medical Group Hutchinson Medical Center Fairview Health Services MeritCare Northstar Physicians North Clinic Neighborhood Health Care Network **Crossroads Medical Centers** HealthPartners Central Minnesota Clinics Northwest Family Physicians St. Luke's Clinics University of Minnesota Physicians MN Health Network (MHN) 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 70% Lower Confidence Level/Upper Confidence Level н

## **Childhood Immunization Status Including Chickenpox**

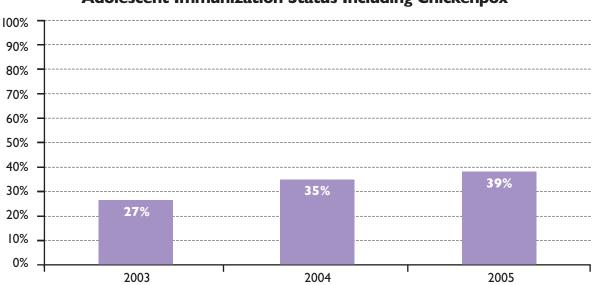
## **Children's Health**

### **Adolescent Immunization Status**

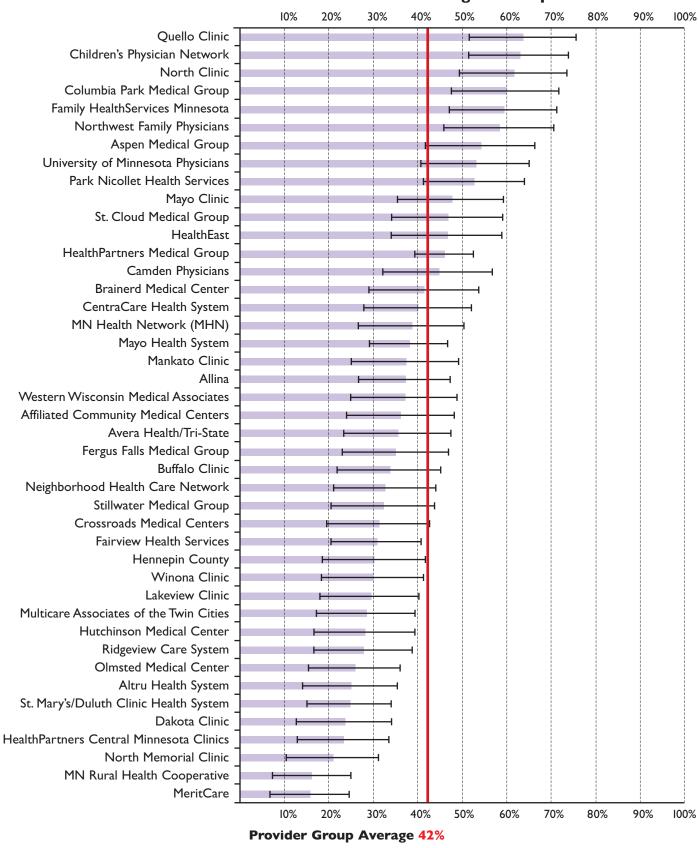
This measures the percentage of patients whose I3 th birthday was in the measurement year, who were continuously enrolled in their health plan for I2 months immediately preceding their I3th birthday, and who received a second dose of MMR vaccine, three hepatitis B (HBV) vaccinations, and one chickenpox (VZV) vaccination. For all antigens, any of the following can be counted:

- Evidence of the antigen or combination vaccine
- Documented history of the illness
- A seropositive test result

Adolescent Immunization Status	Weighted Rate	<b>± 95</b> %	Total Fully Immunized	Denominator	Total Eligible
Children with all immunizations including chickenpox	38.9%	1.5%	1,384	3,877	26,389
Children with all immunizations <u>except</u> chickenpox	64.2%	1.5%	2,453	3,877	26,389



## Adolescent Immunization Status Including Chickenpox



### Adolescent Immunization Status Including Chickenpox

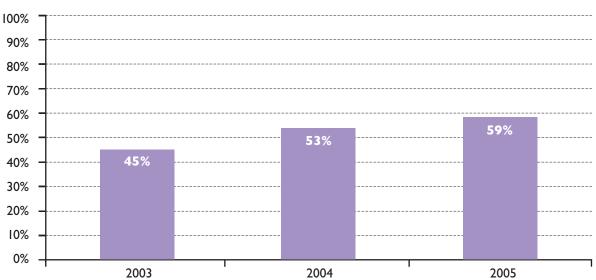
Lower Confidence Level / Upper Confidence Level

## **Children's Health**

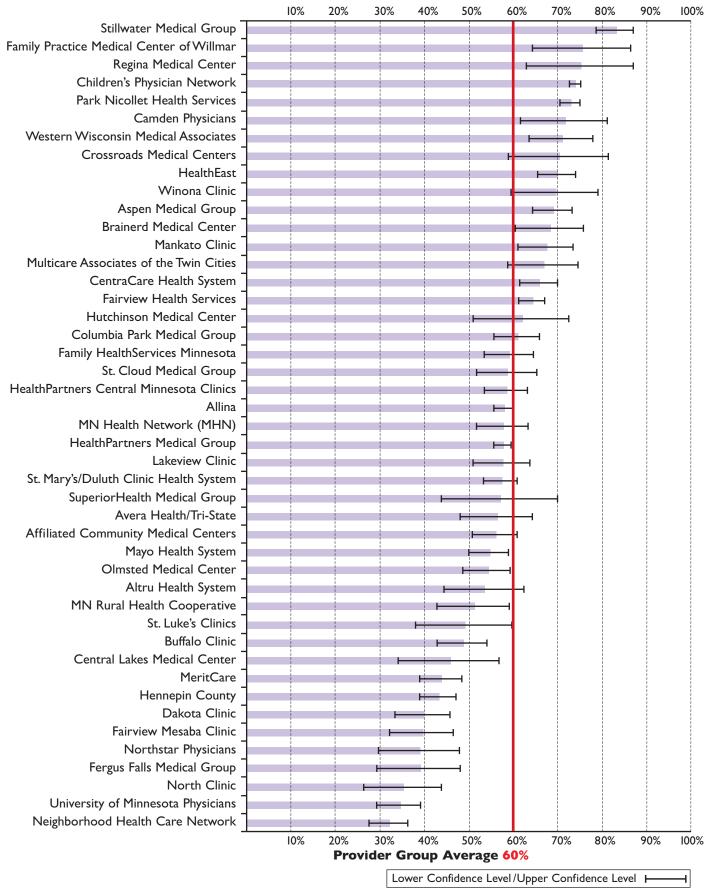
### **Well Child Visits**

This measures the percentage of patients who turned 15 months old during the measurement year, who were continuously enrolled in their health plans from 31 days of age and who received either zero, one, two, three, four, five or six or more well child visits with a primary care practitioner during their first 15 months of life. (Note: a child is included in only one numerator e.g. a child receiving six well child visits is not included in the rate for five, four, etc.)

Well Child Visits in the First 15 months of life	Overall Rate	<b>± 95</b> %	Numerator	Denominator
Six visits or more	58.8%	0.6%	14,075	23,933
Five visits	21.6%	0.5%	5,179	
Four visits	9.6%	0.4%	2,287	
Three visits	4.4%	0.3%	1,041	
Two visits	2.6%	0.2%	610	
One visit	1.6%	0.2%	385	
No visits	1.5%	0.2%	356	



## Six Well-Child Visits in the First 15 Months of Life



### Well Child Care - 6 Visits or More in the First 15 Months of Life

## **Diabetes Care**

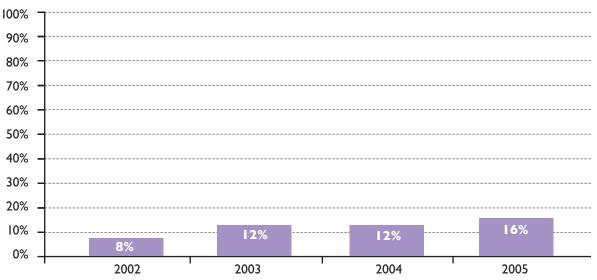
### **Optimal Diabetes Care**

This measures the percentage of patients with diabetes (Type I and Type II) age 18 through 75 years who were continuously enrolled in their health plan during the measurement year reaching all of the following treatment goals:

- HbAIc less than or equal to 8.0%
- Blood Pressure less than I30/85 mmHg
- LDL-C less than 130 mg/dl
- Aspirin use age 41-75
- Documented tobacco free

Diabetes Optimal Care	Weighted Rate	± 95%	Numerator	Denominator (Patients sampled)	Total Eligible
Optimal Diabetes Care	15.5%	0.9%	976	6,294	52,083
HbA1c <=8.0	62.3%	1.2%	3,921		
BP <130/85	41.7%	1.2%	5,422		
LDL-C <130	62.9%	1.2%	5,326		
Aspirin Use	60.3%	1.2%	3,399	5,609	25,318
Documented Tobacco Free	63.6%	1.2%	4,002		





	10	%	20%	30	0%	40%	50%
Family HealthServices Minnesota							
Affiliated Community Medical Centers							
HealthPartners Medical Group							
Columbia Park Medical Group							
Multicare Associates of the Twin Cities							
SuperiorHealth Medical Group							
Stillwater Medical Group							
Western Wisconsin Medical Associates							
Mayo Health System			-				
Park Nicollet Health Services							
Mankato Clinic							
Camden Physicians							
MN Health Network (MHN)							
Family Practice Medical Center of Willmar							
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Hennepin County				-			
Mayo Clinic North Clinic							
Crossroads Medical Center				·			
Northwest Family Physicians							
HealthPartners Central Minnesota Clinics							
North Memorial Clinic							
Lakeview Clinic							
HealthEast							
Altru Health System							
St. Luke's Clinics							
Fairview Mesaba Clinic				-			
Edina Family Physicians				-			
Fairview Health Services							
Gundersen Clinic							
St. Mary's/Duluth Clinic Health System							
Regina Medical Center			-				
Hutchinson Medical Center			-				
University of Minnesota Physicians							
Ridgeview Care System							
Winona Clinic							
CentraCare Health System							
Olmsted Medical Center		-					
Grand Itasca Clinic		-					
Fergus Falls Medical Group Neighborhood Health Care Network		-					
Allina							
St. Cloud Medical Group							
Riverwood Aitkin Clinic							
Avera Health/Tri-State							
Aspen Medical Group	· ·						
Dakota Clinic							
MeritCare -							
Central Lakes Medical Center							
Buffalo Clinic							
Northstar Physicians							
MN Rural Health Cooperative	H						
-	10		20%	3	0%	40%	50%
Provid	e <mark>r Group Av</mark> e	erage 17	%				
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## **Optimal Diabetes Care**

#### 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Northwest Family Physicians Family HealthServices Minnesota MN Health Network (MHN) Fairview Mesaba Clinic Stillwater Medical Group Columbia Park Medical Group North Clinic Western Wisconsin Medical Associates Edina Family Physicians Family Practice Medical Center of Willmar North Memorial Clinic SuperiorHealth Medical Group Altru Health System Hennepin County Olmsted Medical Center Quello Clinic Mayo Clinic Brainerd Medical Center HealthPartners Medical Group Central Lakes Medical Center Park Nicollet Health Services Mankato Clinic MeritCare Affiliated Community Medical Centers Multicare Associates of the Twin Cities Riverwood Aitkin Clinic Ridgeview Care System Fairview Health Services Crossroads Medical Centers Avera Health/Tri-State HealthEast Gundersen Clinic Lakeview Clinic Hutchinson Medical Center Dakota Clinic Fergus Falls Medical Group Grand Itasca Clinic Buffalo Clinic Regina Medical Center St. Cloud Medical Group Camden Physicians Allina HealthPartners Central Minnesota Clinics St. Mary's/Duluth Clinic Health System Mayo Health System CentraCare Health System Northstar Physicians MN Rural Health Cooperative Aspen Medical Group Neighborhood Health Care Network St. Luke's Clinics University of Minnesota Physicians Winona Clinic 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 65%

## Patients with Diabetes - HbA1c<=8

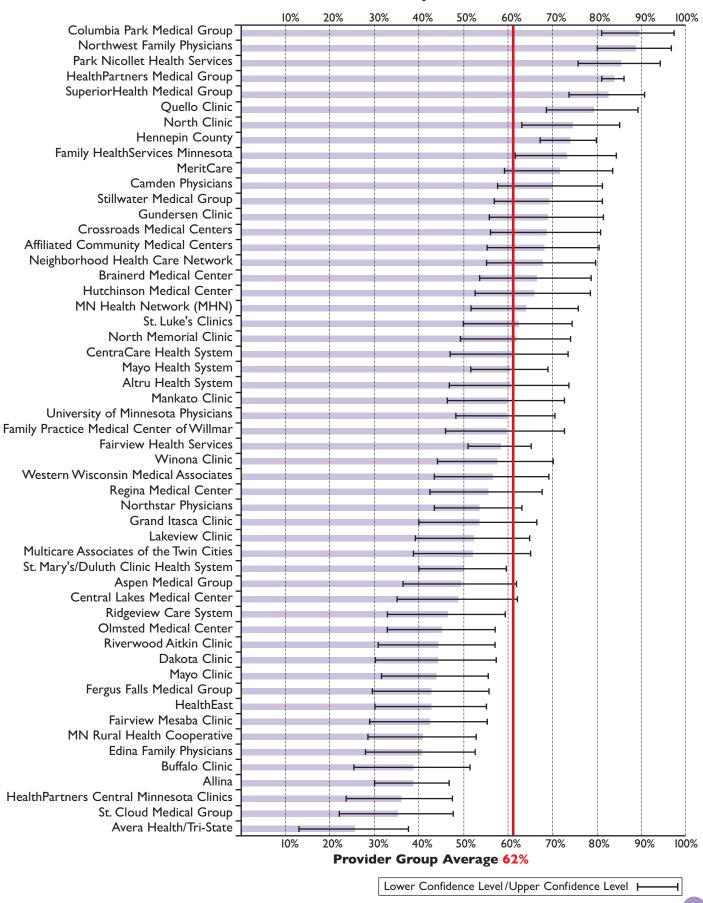
Lower Confidence Level/Upper Confidence Level

#### 30% 60% 80% 100% 10% 20% 40% 50% 70% 90% Affiliated Community Medical Centers Family HealthServices Minnesota Edina Family Physicians Columbia Park Medical Group Mayo Clinic Stillwater Medical Group Gundersen Clinic Grand Itasca Clinic Fairview Mesaba Clinic North Memorial Clinic Mayo Health System Hutchinson Medical Center St. Cloud Medical Group St. Luke's Clinics Dakota Clinic Brainerd Medical Center SuperiorHealth Medical Group HealthPartners Medical Group Fergus Falls Medical Group Multicare Associates of the Twin Cities Winona Clinic Olmsted Medical Center MN Health Network (MHN) Mankato Clinic Western Wisconsin Medical Associates Buffalo Clinic Altru Health System Lakeview Clinic **Crossroads Medical Centers** Fairview Health Services North Clinic Camden Physicians Allina Hennepin County Northwest Family Physicians Avera Health/Tri-State MeritCare Riverwood Aitkin Clinic Family Practice Medical Center of Willmar HealthPartners Central Minnesota Clinics CentraCare Health System **Ridgeview Care System** Quello Clinic Neighborhood Health Care Network HealthEast St. Mary's/Duluth Clinic Health System MN Rural Health Cooperative Regina Medical Center Park Nicollet Health Services Aspen Medical Group Central Lakes Medical Center Northstar Physicians University of Minnesota Physicians 10% 20% 100% 30% 40% 50% 70% 80% 90% 60% Provider Group Average 44% Lower Confidence Level / Upper Confidence Level

### Patients with Diabetes - Blood Pressure Below 130/85

#### 20% 30% 40% 70% 80% 100% 10% 50% 60% 90% MN Health Network (MHN) Camden Physicians Quello Clinic Family HealthServices Minnesota Park Nicollet Health Services SuperiorHealth Medical Group North Memorial Clinic North Clinic Multicare Associates of the Twin Cities Western Wisconsin Medical Associates Family Practice Medical Center of Willmar Winona Clinic Stillwater Medical Group Lakeview Clinic HealthPartners Medical Group Fairview Mesaba Clinic Affiliated Community Medical Centers Hutchinson Medical Center Edina Family Physicians HealthPartners Central Minnesota Clinics **Crossroads Medical Centers** Northstar Physicians Grand Itasca Clinic Gundersen Clinic **Olmsted Medical Center** HealthEast Fairview Health Services Altru Health System **Regina Medical Center Riverwood Aitkin Clinic** Brainerd Medical Center St. Mary's/Duluth Clinic Health System Northwest Family Physicians Mayo Clinic St. Cloud Medical Group Columbia Park Medical Group Fergus Falls Medical Group Mankato Clinic MeritCare CentraCare Health System Hennepin County St. Luke's Clinics Mayo Health System **Buffalo** Clinic Central Lakes Medical Center Avera Health/Tri-State MN Rural Health Cooperative Dakota Clinic Neighborhood Health Care Network **Ridgeview Care System** University of Minnesota Physicians Aspen Medical Group Allina 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 65% Lower Confidence Level / Upper Confidence Level

## Patients with Diabetes - LDL Below 130



### **Patients with Diabetes - Aspirin Use**

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#### 40% 10% 20% 30% 50% 60% 70% 80% 90% 100% HealthEast HealthPartners Medical Group Edina Family Physicians Stillwater Medical Group Affiliated Community Medical Centers Columbia Park Medical Group MN Health Network (MHN) **Crossroads Medical Centers Camden Physicians** Northstar Physicians Lakeview Clinic Mayo Health System Family HealthServices Minnesota Quello Clinic Northwest Family Physicians Western Wisconsin Medical Associates Multicare Associates of the Twin Cities Brainerd Medical Center Hennepin County **Ridgeview Care System** North Clinic Park Nicollet Health Services SuperiorHealth Medical Group Grand Itasca Clinic Neighborhood Health Care Network Fergus Falls Medical Group Mankato Clinic Mayo Clinic Central Lakes Medical Center Allina North Memorial Clinic St. Cloud Medical Group Hutchinson Medical Center Dakota Clinic HealthPartners Central Minnesota Clinics Family Practice Medical Center of Willmar Fairview Health Services Buffalo Clinic Riverwood Aitkin Clinic **Regina Medical Center** CentraCare Health System Altru Health System Gundersen Clinic MN Rural Health Cooperative Fairview Mesaba Clinic University of Minnesota Physicians St. Mary's/Duluth Clinic Health System Olmsted Medical Center Aspen Medical Group Winona Clinic MeritCare St. Luke's Clinics Avera Health/Tri-State 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 66% Lower Confidence Level /Upper Confidence Level

## **Patients with Diabetes - Tobacco Free**

## **Diabetes Care**

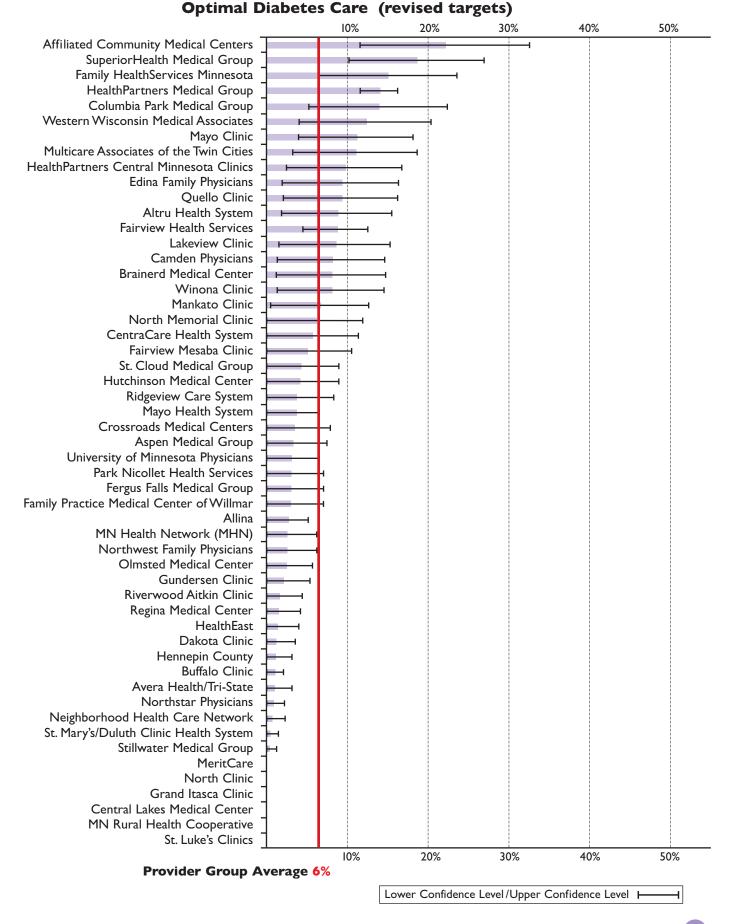
Diabetes Optimal Care (Revised Targets)	Weighted Rate	± 95%	Numerator	Denominator (Patients sampled)	Total Eligible
Optimal Diabetes Care					
(Revised Targets)	5.9%	0.6%	371	6,294	52,083
HbA1c <=7.0	41.8%	1.2%	2,63 I		
LDL-C <100	37.9%	1.2%	4,705		
BP <130/80	32.3%	1.2%	5,464		
Aspirin Use	60.3%	1.2%	3,399	5,609	25,318
Documented Tobacco Free	63.6%	1.2%	4,002		

HbA1c Level	Weighted Rate	<b>± 95</b> %	Numerator	Denominator (Patients sampled)	Total Eligible
HbA1c screening	84.1%	0.9%	5,293	6,294	52,083
HbA1c <=6.0	13.8%	0.9%	869		
HbA1c <=7.0	41.8%	1.2%	2,631		
HbA1c <=8.0	62.3%	1.2%	3,921		
HbA1c <=9.0	71.2%	1.1%	4,481		
HbA1c >9.0	12.9%	1.1%	812		
HbA1c untested	15.9%	0.9%	1,001		

BP Level	Weighted Rate	± 95%	Numerator	Denominator (Patients sampled)	Total Eligible
BP documented	86.3%	0.9%	5,432	6,294	52,083
<130/85	41.7%	1.2%	2,625		
<130/80	32.3%	1.2%	2,032		
BP untested	13.7%	0.9%	862		

LDL Level	Weighted Rate	± 95%	Numerator	Denominator (Patients sampled)	Total Eligible
LDL screening	85.2%	0.9%	5,326	6,294	52,083
<100	37.9%	1.2%	2,385		
< 30	62.9%	1.2%	3,959		
LDL untested	14.8%	0.9%	932		

	HbA1c	LDL	Systolic BP	Diastolic BP	Patients Sampled	
2005 Average Weighted Levels	7.33	105.1	128.6	75.6	6,294	



#### 80% 100% 10% 20% 30% 40% 50% 60% 70% 90% Family HealthServices Minnesota MN Health Network (MHN) Fairview Mesaba Clinic Columbia Park Medical Group Northwest Family Physicians SuperiorHealth Medical Group Olmsted Medical Center Altru Health System Edina Family Physicians Mayo Clinic Family Practice Medical Center of Willmar Central Lakes Medical Center Fairview Health Services Western Wisconsin Medical Associates HealthPartners Central Minnesota Clinics Lakeview Clinic Brainerd Medical Center Stillwater Medical Group HealthPartners Medical Group Avera Health/Tri-State **Ridgeview Care System** Affiliated Community Medical Centers St. Cloud Medical Group Grand Itasca Clinic Buffalo Clinic Mankato Clinic Dakota Clinic North Clinic Quello Clinic Park Nicollet Health Services MeritCare HealthEast CentraCare Health System Riverwood Aitkin Clinic Hennepin County **Crossroads Medical Centers** Neighborhood Health Care Network Gundersen Clinic Mayo Health System Hutchinson Medical Center **Regina Medical Center** Northstar Physicians Fergus Falls Medical Group **Camden Physicians** Multicare Associates of the Twin Cities North Memorial Clinic MN Rural Health Cooperative Winona Clinic Allina Aspen Medical Group University of Minnesota Physicians St. Mary's/Duluth Clinic Health System St. Luke's Clinics 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 44% Lower Confidence Level /Upper Confidence Level

## Patients with Diabetes - HbA1c<=7% (revised targets)

## Patients with Diabetes - Blood Pressure Below 130/80 (revised targets)

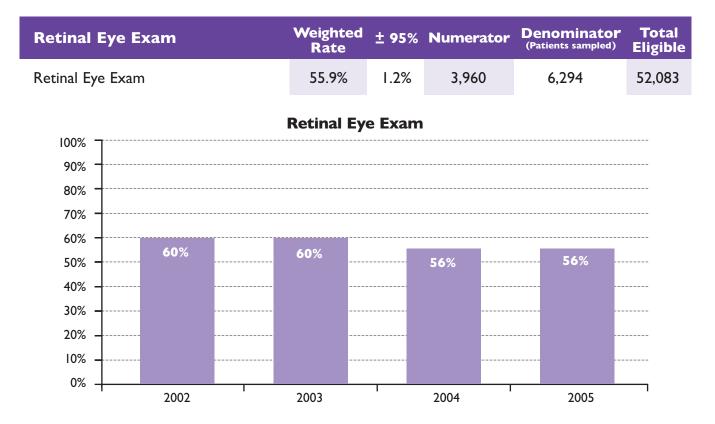
	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
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Columbia Park Medical Group										
Dakota Clinic										
Grand Itasca Clinic										
Fairview Mesaba Clinic										
Stillwater Medical Group										
SuperiorHealth Medical Group										
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Multicare Associates of the Twin Cities						_				
Winona Clinic										
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St. Luke's Clinics										
Northwest Family Physicians										
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Buffalo Clinic				-						
Western Wisconsin Medical Associates			_							
Altru Health System					-					
MN Health Network (MHN)					-					
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HealthPartners Central Minnesota Clinics										
Riverwood Aitkin Clinic		— I—	_		1					
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North Clinic		-								
Aspen Medical Group		-								
Fairview Health Services				4						
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Neighborhood Health Care Network 📔			-							
Crossroads Medical Centers 🗍		<b>—</b> —								
HealthEast	F			н –						
Ridgeview Care System				4						
Park Nicollet Health Services	- F		_							
MN Rural Health Cooperative			-							
Central Lakes Medical Center	 									
Regina Medical Center	-	_	-							
University of Minnesota Physicians										
Northstar Physicians										
,	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Provi	der Grou				30/0	00/0	70/0	00/0	20/0	100/0
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#### 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% North Memorial Clinic SuperiorHealth Medical Group **Quello Clinic** Winona Clinic Camden Physicians Family HealthServices Minnesota Northwest Family Physicians Park Nicollet Health Services Fairview Mesaba Clinic Mayo Clinic Western Wisconsin Medical Associates **Regina Medical Center** HealthPartners Medical Group Multicare Associates of the Twin Cities **Crossroads Medical Centers** HealthPartners Central Minnesota Clinics Buffalo Clinic Mankato Clinic Columbia Park Medical Group Northstar Physicians St. Luke's Clinics Stillwater Medical Group MN Health Network (MHN) North Clinic MN Rural Health Cooperative Edina Family Physicians MeritCare Fergus Falls Medical Group Hutchinson Medical Center Lakeview Clinic CentraCare Health System **Brainerd Medical Center** Grand Itasca Clinic Gundersen Clinic Central Lakes Medical Center **Riverwood Aitkin Clinic** Fairview Health Services Family Practice Medical Center of Willmar Affiliated Community Medical Centers St. Cloud Medical Group University of Minnesota Physicians Neighborhood Health Care Network Altru Health System Mayo Health System Avera Health/Tri-State **Ridgeview Care System** Olmsted Medical Center Hennepin County HealthEast Allina Dakota Clinic Aspen Medical Group St. Mary's/Duluth Clinic Health System 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Provider Group Average 40% Lower Confidence Level / Upper Confidence Level

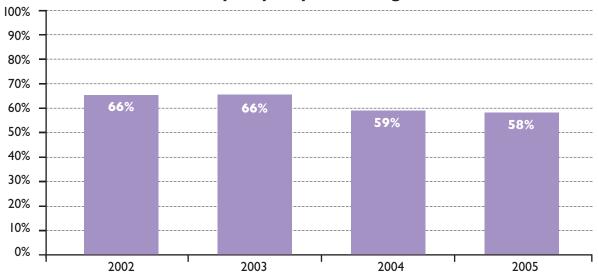
#### Patients with Diabetes - LDL Below 100 mg/dl (revised targets)

## **Diabetes Care**



Nephropathy	Weighted Rate	± 95%	Numerator	Denominator (Patients sampled)	Total Eligible
Nephropathy Screening	58.1%	1.2%	3,615	6,294	52,083

#### **Nephropathy Screening**



#### 20% 30% 40% 80% 90% 100% 10% 50% 60% 70% Camden Physicians SuperiorHealth Medical Group Quello Clinic MeritCare Stillwater Medical Group Columbia Park Medical Group Western Wisconsin Medical Associates Family HealthServices Minnesota Fergus Falls Medical Group Park Nicollet Health Services Central Lakes Medical Center MN Health Network (MHN) North Memorial Clinic Mayo Clinic Grand Itasca Clinic Mankato Clinic University of Minnesota Physicians CentraCare Health System Affiliated Community Medical Centers Hennepin County Mayo Health System Northstar Physicians Family Practice Medical Center of Willmar Gundersen Clinic Olmsted Medical Center St. Cloud Medical Group Lakeview Clinic **Ridgeview Care System** Riverwood Aitkin Clinic Fairview Health Services HealthPartners Central Minnesota Clinics North Clinic Neighborhood Health Care Network Aspen Medical Group Edina Family Physicians Hutchinson Medical Center **Brainerd Medical Center Regina Medical Center** HealthEast HealthPartners Medical Group Northwest Family Physicians St. Luke's Clinics Multicare Associates of the Twin Cities Dakota Clinic Buffalo Clinic Winona Clinic Allina St. Mary's/Duluth Clinic Health System Avera Health/Tri-State Altru Health System MN Rural Health Cooperative Fairview Mesaba Clinic **Crossroads Medical Centers** 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% **Provider Group Average 58%** Lower Confidence Level /Upper Confidence Level

#### Patients with Diabetes Receiving a Retinal Eye Exam

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38

#### 60% 80% 90% 100% 10% 20% 30% 40% 50% 70% Quello Clinic SuperiorHealth Medical Group Camden Physicians **Olmsted Medical Center** Western Wisconsin Medical Associates MeritCare Northwest Family Physicians Allina Lakeview Clinic CentraCare Health System **Crossroads Medical Centers** Gundersen Clinic Park Nicollet Health Services HealthPartners Medical Group Buffalo Clinic Dakota Clinic Columbia Park Medical Group Stillwater Medical Group North Clinic Affiliated Community Medical Centers Multicare Associates of the Twin Cities Altru Health System Hutchinson Medical Center North Memorial Clinic Family Practice Medical Center of Willmar Aspen Medical Group Mayo Clinic HealthPartners Central Minnesota Clinics MN Health Network (MHN) Ridgeview Care System St. Cloud Medical Group Mayo Health System MN Rural Health Cooperative Family HealthServices Minnesota Neighborhood Health Care Network Mankato Clinic Hennepin County St. Luke's Clinics Winona Clinic Fairview Mesaba Clinic Edina Family Physicians Brainerd Medical Center Central Lakes Medical Center Fergus Falls Medical Group Northstar Physicians HealthEast University of Minnesota Physicians Grand Itasca Clinic Fairview Health Services Avera Health/Tri-State Riverwood Aitkin Clinic St. Mary's/Duluth Clinic Health System Regina Medical Center 10% 50% 100% 20% 30% 40% 60% 70% 80% 90% **Provider Group Average 61%** Lower Confidence Level /Upper Confidence Level

#### Patients with Diabetes Receiving a Nephropathy Screening

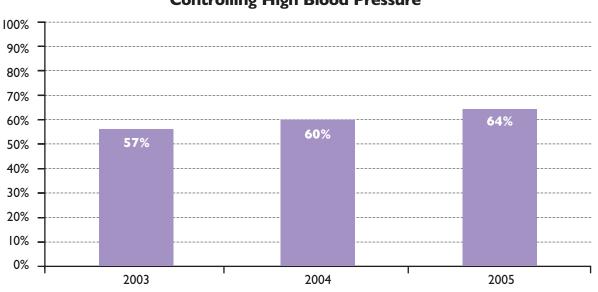
# **High Blood Pressure Treatment**

#### **Controlling High Blood Pressure**

40

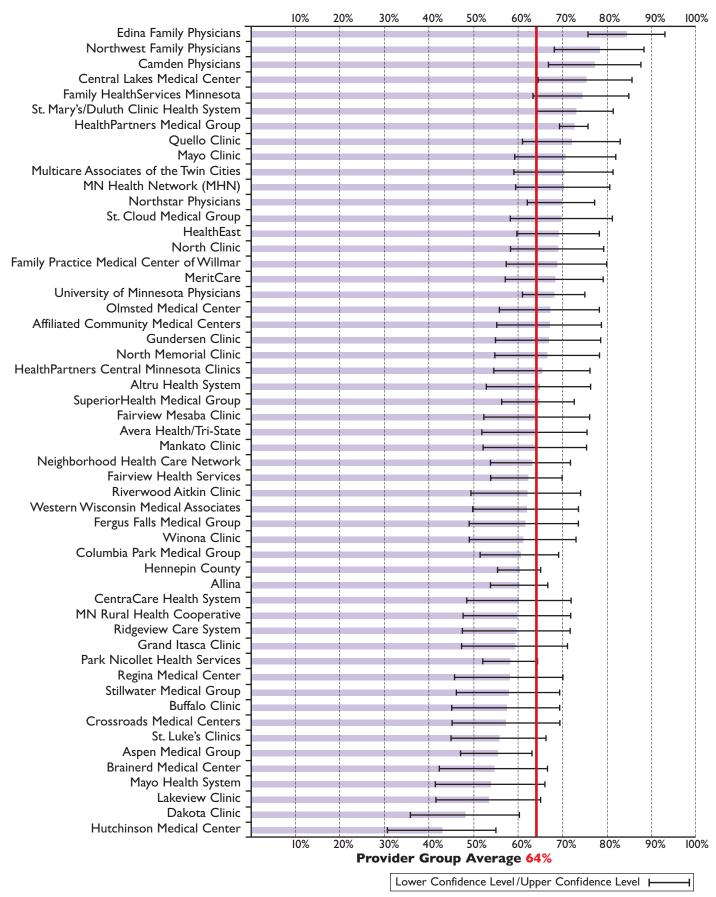
This measures the percentage of patients age 46 to 85 with a diagnosis of hypertension who were continuously enrolled in their health plan during the measurement year whose blood pressure was determined to be under control - less than or equal to 140/90.

Treatment for High Blood Pressure	Weighted Rate	<b>± 95</b> %	Numerator	Denominator (Patients sampled)	Total Eligible
BP <= 140/90	64.1%	1.2%	3,896	6,047	79,408



#### **Controlling High Blood Pressure**

### High Blood Pressure Treatment (BP<=140/90 mmHg)



41

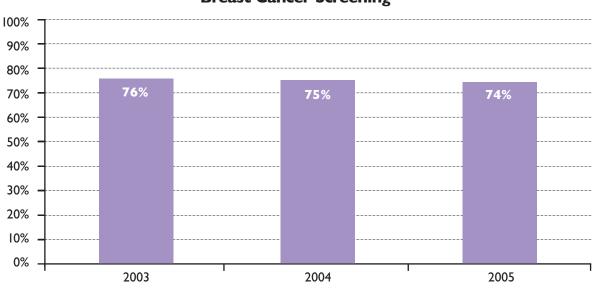
# Women's Health

#### **Breast Cancer Screening**

This measures the percentage of women age 50 through 69 years who were continuously enrolled in their health plan for two years and who had a

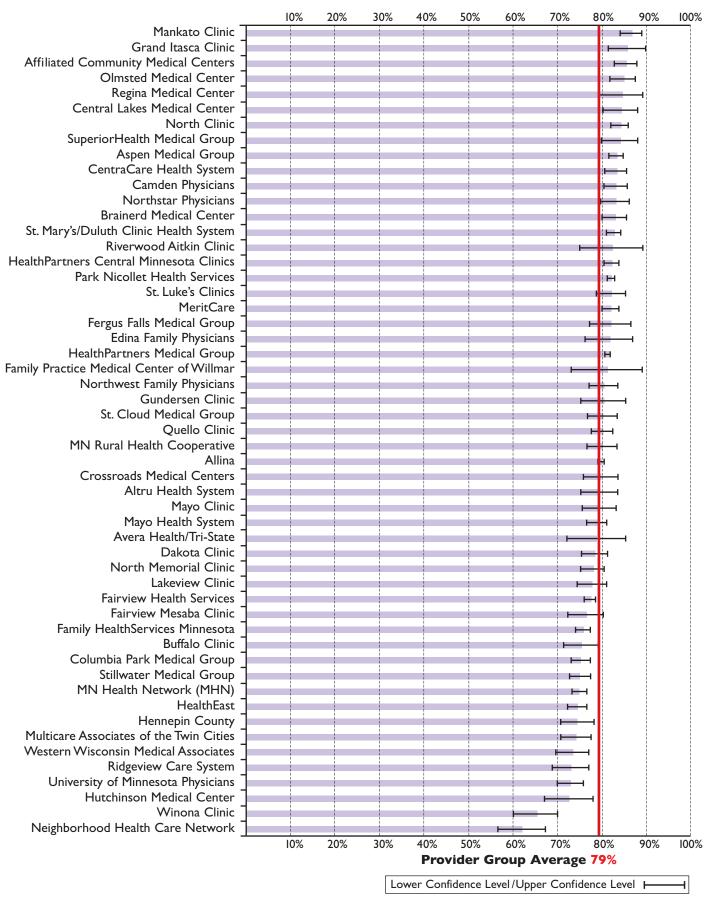
mammogram during the measurement year or the previous year.

Breast Cancer Screening	Overall Rate	<u>+</u> 95%	Numerator	Denominator	
Breast Cancer Screening	74.4%	0.3%	80,773	108,580	



### **Breast Cancer Screening**

#### **Breast Cancer Screening**



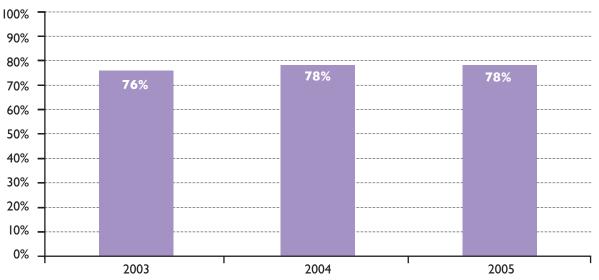
# Women's Health

#### **Cervical Cancer Screening**

This measures the percentage of women age 18 through 64 years who were continuously enrolled in their health plan for three years\* and who have received one or more Pap tests during

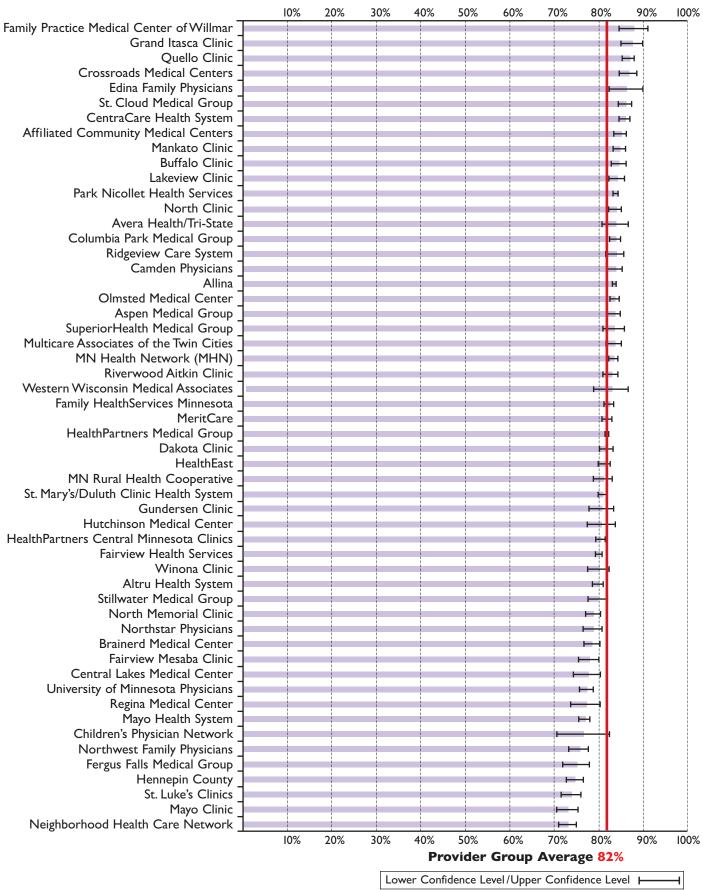
the measurement year or the previous two years. \* For Medicaid members, the continuous enrollment requirement is one year.

Cervical Cancer Screening	Overall Rate	<u>+</u> 95%	Numerator	Denominator	
Cervical Cancer Screening	77.8%	0.2%	244,817	314,869	



### **Cervical Cancer Screening**

### **Cervical Cancer Screening**



# Women's Health

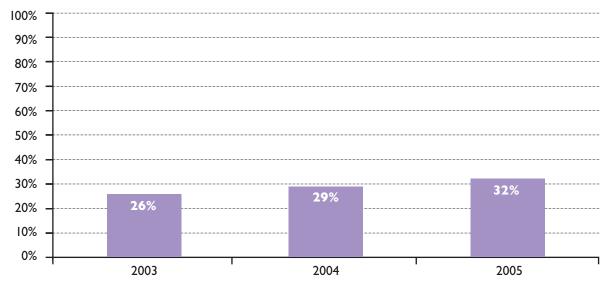
#### **Chlamydia Screening in Women**

This measures the percentage of women ages 16 through 25 years who were continuously enrolled in their health plan during the measurement year,

who were identified as sexually active, and had at least one test for chlamydia.

Chlamydia Screening	Overall Rate ± 95%		Numerator	Denominator	
Age 16-25	31.7%	0.4%	18,503	8,430	
Age 16-20	32.9%	0.6%	8,474	25,791	
Age 21-25	30.7%	0.5%	10,029	32,639	

#### Chlamydia Screening in Women Ages 16 to 25



	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
HealthPartners Medical Group 🗍						H				
Neighborhood Health Care Network										
Mayo Clinic				-						
Aspen Medical Group										
University of Minnesota Physicians										
Stillwater Medical Group										
Hennepin County										
Multicare Associates of the Twin Cities			- P							
Regina Medical Center					-					
Lakeview Clinic										
Northstar Physicians			— <u>—</u>							
St. Mary's/Duluth Clinic Health System			-							
Grand Itasca Clinic										
CentraCare Health System										
Central Lakes Medical Center										
Park Nicollet Health Services				н						
Quello Clinic										
Olmsted Medical Center										
SuperiorHealth Medical Group										
Affiliated Community Medical Centers				4						
St. Cloud Medical Group										
Fairview Health Services										
Western Wisconsin Medical Associates										
Ridgeview Care System		-		-						
Allina										
Northwest Family Physicians		-								
Brainerd Medical Center										
Hutchinson Medical Center										
Fergus Falls Medical Group										
Winona Clinic										
North Memorial Clinic										
Mankato Clinic										
Dakota Clinic										
Children's Physician Network										
St. Luke's Clinics										
Mayo Health System										
Altru Health System			<u> </u>							
Camden Physicians		-								
Avera Health/Tri-State										
Fairview Mesaba Clinic										
MN Rural Health Cooperative										
HealthEast										
MN Health Network (MHN)										
North Clinic										
Columbia Park Medical Group										
HealthPartners Central Minnesota Clinics										
Family HealthServices Minnesota										
MeritCare										
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	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Provi	der Grou	p Avera	ige 33	%						

## Chlamydia Screening in Women - Ages 16 to 25

Lower Confidence Level /Upper Confidence Level

H.

## **MN Community Measurement Leadership**

### **2005 Board of Directors**

Each has provided strategic direction and contributed generously of their knowledge and experience.

John Frederick, M.D., Vice President and Chief Medical Officer, PreferredOne, Chair Brian Anderson, M.D., FACC, Chief Medical Officer, Allina Gail Amundson, M.D., FACP, Associate Medical Director of Quality Improvement, HealthPartners Peter Benner, Former Executive Director AFSCME Council 6 Barry Bershow, M.D., Medical Director of Quality Informatics, Fairview Health Services Dann Chapman, Director of Employee Benefits, University of Minnesota I. Natalie Dale, CEO, Dynamic Information Systems Charlie Fazio, M.D., Vice President and Chief Medical Director, Medica Patricia Lindholm, M.D., Fergus Falls Medical Group Mark Nyman M.D., Mayo Patricia Riley, President and CEO, Stratis Health Steven Richards, M.D., V.P. of Health Care Improvement, Blue Cross and Blue Shield/Blue Plus of MN Julie Brunner, Executive Director, Minnesota Council of Health Plans Robert Meiches, M.D., Chief Executive Officer, Minnesota Medical Association Gordon Mosser, M.D., Executive Director, Institute for Clinical System Improvement Pam Houg, Treasurer, Minnesota Council of Health Plans lim Chase, Executive Director, MN Community Measurement

#### 2005 Reporting Advisory Group

Reporting Advisory Group provides guidance on reporting and makes recommendations to the Board.

Gail Amundson, M.D., FACP, HealthPartners, Co-Chair Doug Hiza, M.D., First Plan of Minnesota, Co-Chair Barry Bershow, M.D., Fairview Health Services Terence P. Cahill, M.D., Minnesota Medical Association Craig Christianson, M.D., UCare Minnesota Sarah Cook-Burton, PreferredOne Mary Hammond, Medica Terry Murray, R.N., Quello Clinic Mark Nyman, M.D., Mayo Bruce Penner, R.N., Northstar Physicians Linda Walling, M.D., HealthEast Clinics Ann Robinow, Medica Eileen Smith, Minnesota Council of Health Plans

#### 2005 Data Planning Committee

The Data Planning Committee provides measurement and data technical expertise without which this report would not be possible.

Jane Gendron, Blue Cross Blue Shield/Blue Plus of MN; Diane Wehrle, Rachel Woods, HealthPartners; Mary Hammond, Jim Theurer, Karen Oudekerk, Medica; Bret Randolph, Kathleen Hulting, Emmet Pope, Metropolitan Health Plan; Sarah Cook-Burton, Lark Arrichiello, PreferredOne; Ann Herzog-Morrison, UCare Minnesota; and Lisa Deml, South Country Health Alliance.

MN Community Measurement staff Jim Chase, Executive Director Cynthia MacDonald, Senior Program Executive Anne McGeary, Director of Quality Reporting Deb Olson, Office Manager



MN Community Measurement 2550 University Ave. W. Suite 245N St. Paul, MN 55114 651-209-0390 info@mnhealthcare.org