



Appendix 1: Physician Clinic Measures

GUIDE TO UNDERSTANDING THE DETAILED MEASURE RESULTS DATA 73

QUALITY OF CARE FOR CHRONIC CONDITIONS MEASURE RESULTS DATA

THE BEST CARE FOR...

Adults with Diabetes	74
Adults with Vascular Disease	74
Adults with High Blood Pressure	80
Children and Adults with Asthma	80

QUALITY OF CARE FOR ACUTE CONDITIONS MEASURE RESULTS DATA

THE BEST CARE FOR...

Children with a Cold (Upper Respiratory Infection)	86
Children with a Sore Throat (Pharyngitis)	86
Adults with Bronchitis	92

QUALITY OF PREVENTIVE CARE MEASURE RESULTS DATA

THE BEST CARE TO...

Help Prevent Breast Cancer	98
Help Prevent Cervical Cancer	98
Help Prevent Colorectal Cancer	104
Help Prevent Cancer	104
Detect Chlamydia	110
Provide Childhood Immunizations	110

METHODS 116

The following section provides more information about the measures outlined in this report. Additional data elements are included in the following detailed tables; these elements vary depending on the measure and the data source. The methods section provides more information on the data source and calculation for the various measures.

GUIDE TO UNDERSTANDING THE DETAILED MEASURE RESULTS DATA

Physician Clinic Name:

Reports the physician clinic name alphabetically under the city in which it is located.

Medical Group Name:

Reports the medical group of which the clinic is a part. A medical group may have one or more clinics.

Risk Adjusted Rate:

Reports the physician clinic rate adjusted to the average state-wide payer mix. The risk adjusted rate accounts for differences in the physician clinic's patient population beyond the provider's control. This adjustment is based on insurance payer type. The three payer categories include Medicare, commercial, and MN health care programs/uninsured.

Confidence Interval of Risk Adjusted Rate:

Reports the margin of error for the risk adjusted rate. Confidence intervals are a range of values which demonstrate the degree of certainty associated with the reported rate. This range takes into account potential variance in the rate if different patients were included in the sample. 95-percent-asymmetrical confidence intervals are calculated for each measure for each medical group. Asymmetrical confidence intervals are used to avoid confidence interval lower-bound values less than zero and upper bound values greater than one hundred. For the calculation of risk adjusted confidence intervals, a weighted average of the variance for the payer categories was used.* Large differences between individual physician clinics' rates may be significant and small differences are usually not significant.

Distribution of Patient Population or Medical Group Distribution of Patient Population: Medicare/Commercial/MN Health Care Programs and uninsured for Optimal Diabetes and Optimal Vascular Care.

Reports the patient distribution for each physician clinic or medical group between these three insurance categories. These columns show the patient distribution prior to any risk adjustment.

Total Population or Sample:

Reports whether the results are based on the physician clinic or medical group's total population or a sample of the total population for that measure.

Sample Size:

Reports the number of patients meeting the criteria for inclusion in the measure and for whom data was submitted. This column is the denominator number used to calculate the rate.

Non-risk Adjusted Rate:

Reports the value when the numerator is divided by the denominator prior to any risk-adjustment. The denominator is the sum of all the eligible cases submitted. The numerator is the sum of all eligible cases submitted where recommended care was provided or treatment goals were reached.

Confidence Interval of Non-risk Adjusted Rate:

Reports the margin of error for the non-risk adjusted rate. Confidence intervals are a range of values which demonstrate the degree of certainty associated with the estimated rate. This range takes into account potential variance in the rate if different patients were included in the sample. 95-percent-asymmetrical confidence intervals are calculated for each measure for each medical group. Asymmetrical confidence intervals are used to avoid confidence interval lower-bound values less than zero and upper bound values greater than one hundred. Large differences between individual physician clinics' rates may be significant and small differences are usually not significant.

* Curtin, LR and RJ Klein. "Direct Standardization (Age-Adjusted Death Rates)." Centers for Disease Control and Prevention and National Center for Health Statistics. Healthy People 2000 Statistical Notes No. 6. 1995.

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Optimal Diabetes Care									Optimal Vascular Care																											
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate																			
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs																						
Overall Minnesota Clinic Average		28%	28-29%	29%	55%	16%				28%	28-29%	34%	34-35%	43%	47%	9%				28%	28-29%	34%	34-35%															
ADA																																						
Bridges Medical Center	Bridges Medical Center	9%	5%-19%	48%	44%	8%	Total Population	62	10%	5%-20%	*	*	*	*	*	*	*	*	*	10%	5%-20%	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
ALEXANDRIA																																						
Alexandria Clinic	Alexandria Clinic	9%	5%-16%	40%	49%	11%	Sample	120	10%	6%-17%	22%	16%-31%	57%	34%	9%	Sample	120	23%	16%-31%	22%	16%-31%	57%	34%	9%	Sample	120	23%	16%-31%										
Broadway Medical Center	Broadway Medical Center	5%	3%-8%	39%	46%	14%	Sample	218	5%	3%-9%	10%	6%-15%	56%	35%	9%	Sample	195	10%	7%-15%	10%	6%-15%	56%	35%	9%	Sample	195	10%	7%-15%										
Midway Medical Clinic	Midway Medical Clinic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
ASHBY																																						
ELEAH Medical Center	ELEAH Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BAGLEY																																						
Clearwater Health Services Clinic	Clearwater Health Services	6%	4%-14%	47%	33%	20%	Sample	60	10%	5%-20%	8%	3%-20%	34%	55%	11%	Total Population	39	8%	3%-20%	8%	3%-20%	34%	55%	11%	Total Population	39	8%	3%-20%										
BARNESVILLE																																						
Barnesville Area Clinic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
BAUDETTE																																						
LakeWood Health Center Clinic	Lakewood Health Center Clinic	8%	3%-17%	35%	39%	26%	Sample	80	8%	3%-15%	11%	6%-20%	56%	31%	14%	Total Population	80	13%	7%-22%	11%	6%-20%	56%	31%	14%	Total Population	80	13%	7%-22%										
BEMIDJI																																						
MeritCare- Bemidji Family Medicine	MeritCare	14%	11%-18%	8%	72%	20%	Total Population	587	13%	11%-16%	24%	18%-31%	17%	70%	13%	Total Population	253	21%	17%-27%	24%	18%-31%	17%	70%	13%	Total Population	253	21%	17%-27%										

* Sufficient data not available. + Data not reported (for information on Physician Clinic Inclusion see page 120).

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Optimal Diabetes Care									Optimal Vascular Care																											
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate																			
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs																						
Overall Minnesota Clinic Average		28%	28-29%	29%	55%	16%				28%	28-29%	34%	34-35%	43%	47%	9%				34%	34-35%																	
MeritCare- Bemidji North	MeritCare	15%	9%-23%	12%	65%	23%	Total Population	142	13%	9%-20%	30%	19%-43%	15%	76%	8%	Total Population	84	29%	20%-39%																			
MeritCare- Internal Medicine	MeritCare	24%	21%-28%	17%	73%	10%	Total Population	638	24%	21%-28%	33%	28%-37%	26%	65%	8%	Total Population	454	33%	29%-37%																			
CHOKIO																																						
Graceville Health Center Clinic	Graceville Health Center Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
CROOKSTON																																						
Altru Health System	Altru Health System	5%	2%-13%	36%	49%	15%	Sample	61	5%	2%-13%	17%	9%-28%	53%	35%	12%	Sample	60	17%	9%-28%																			
RiverView Clinic North	RiverView Health	11%	5%-22%	14%	67%	20%	Sample	66	9%	4%-18%	8%	3%-22%	31%	50%	19%	Total Population	32	13%	5%-28%																			
DETROIT LAKES																																						
MeritCare	MeritCare	14%	11%-18%	13%	70%	17%	Total Population	463	14%	11%-17%	24%	19%-29%	22%	67%	12%	Total Population	344	21%	17%-26%																			
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	18%	12%-25%	29%	48%	23%	Sample	120	18%	12%-25%	27%	19%-35%	37%	49%	14%	Total Population	122	25%	19%-34%																			
EAST GRAND FORKS																																						
MeritCare	MeritCare	20%	14%-27%	7%	81%	12%	Total Population	293	17%	13%-22%	27%	18%-37%	10%	80%	10%	Total Population	182	26%	21%-33%																			
RiverView Clinic East Grand Forks	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
ELBOW LAKE																																						
ELEAH Medical Center	ELEAH Medical Center	4%	2%-11%	37%	43%	20%	Total Population	65	5%	2%-13%	5%	1%-18%	34%	34%	31%	Total Population	32	6%	2%-20%																			

* Sufficient data not available. + Data not reported (for information on Physician Clinic Inclusion see page 120).

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Optimal Diabetes Care										Optimal Vascular Care								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		28%	28-29%	29%	55%	16%			28%	28-29%	34%	34-35%	43%	47%	9%			34%	34-35%	
EVANSVILLE																				
ELEAH Medical Center	ELEAH Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
FERTILE																				
RiverView Clinic	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
FOSSTON																				
Innovis Health	Innovis Health	9%	4%-19%	57%	32%	12%	Sample	60	8%	4%-18%	19%	10%-31%	36%	47%	16%	Sample	55	18%	10%-30%	
FRAZEE																				
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	11%	5%-21%	25%	52%	23%	Sample	60	10%	5%-20%	18%	10%-30%	33%	57%	10%	Total Population	51	16%	8%-28%	
GLENWOOD																				
Glenwood Medical Center	Glenwood Medical Center	1%	0%-4%	35%	40%	25%	Total Population	257	1%	0%-3%	18%	12%-26%	54%	32%	14%	Total Population	118	18%	12%-26%	
HALLOCK																				
Kittson Memorial Clinic	Kittson Memorial Clinic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
HALSTAD																				
MeritCare	MeritCare	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
HAWLEY																				
MeritCare	MeritCare	14%	8%-25%	16%	77%	7%	Total Population	57	14%	7%-25%	18%	8%-32%	18%	71%	10%	Total Population	50	14%	7%-26%	

* Sufficient data not available. + Data not reported (for information on Physician Clinic Inclusion see page 120).

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Optimal Diabetes Care									Optimal Vascular Care																									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate																	
				Medicare	Commercial	MM Health Care Programs								Medicare	Commercial	MM Health Care Programs																				
Overall Minnesota Clinic Average		28%	28-29%	29%	55%	16%				28%	28-29%	34%	34-35%	43%	47%	9%				28%	28-29%	34%	34-35%													
HENNING																																				
Henning Medical Clinic	Tri-County Hospital	5%	3%-14%	39%	51%	10%	Sample	60	5%	2%-14%	20%	10%-37%	53%	35%	12%	Total Population	34	18%	8%-34%																	
HOFFMAN																																				
ELEAH Medical Center	ELEAH Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
MAHNOMEN																																				
MeritCare	MeritCare	27%	20%-36%	14%	66%	20%	Total Population	85	32%	23%-42%	24%	14%-40%	15%	72%	13%	Total Population	39	21%	11%-36%																	
MOORHEAD																																				
Innovis Health	Innovis Health	19%	10%-32%	42%	32%	27%	Sample	60	18%	11%-30%	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
MeritCare- South Moorhead Family Medicine	MeritCare	20%	15%-26%	9%	76%	15%	Total Population	358	18%	14%-22%	21%	15%-28%	16%	74%	10%	Total Population	194	24%	18%-30%																	
MeritCare- South Moorhead Internal Medicine	MeritCare	28%	23%-34%	11%	77%	12%	Total Population	357	26%	22%-31%	38%	31%-46%	19%	73%	8%	Total Population	213	36%	30%-42%																	
MORRIS																																				
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	13%	6%-24%	11%	75%	15%	Total Population	55	9%	4%-20%	14%	7%-25%	22%	71%	7%	Total Population	58	14%	7%-25%																	
Stevens Community Medical Center	Stevens Community Medical Center	9%	6%-13%	33%	54%	13%	Total Population	305	10%	7%-13%	17%	11%-25%	38%	49%	13%	Total Population	107	16%	10%-24%																	
NEW YORK MILLS																																				
MeritCare	MeritCare	24%	18%-31%	24%	65%	11%	Total Population	167	25%	19%-32%	37%	28%-48%	35%	54%	11%	Total Population	85	38%	28%-48%																	

* Sufficient data not available. + Data not reported (for information on Physician Clinic Inclusion see page 120).

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Optimal Diabetes Care								Optimal Vascular Care										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		28%	28-29%	29%	55%	16%			28%	28-29%	34%	34-35%	43%	47%	9%			34%	34-35%	
ROSEAU																				
Altru Health System	Altru Health System	5%	3%-12%	15%	80%	5%	Sample	60	3%	1%-11%	22%	13%-33%	34%	56%	10%	Sample	62	19%	11%-31%	
STARBUCK																				
Stevens Community Medical Center	Stevens Community Medical Center	8%	4%-17%	35%	54%	11%	Total Population	57	7%	3%-17%	*	*	*	*	*	*	*	*	*	
THIEF RIVER FALLS																				
MeritCare- Thief River Falls Northwest Clinic	MeritCare	13%	10%-17%	13%	50%	37%	Total Population	455	14%	11%-17%	21%	16%-26%	21%	43%	36%	Total Population	303	21%	17%-26%	
TWIN VALLEY																				
MeritCare	MeritCare	19%	11%-31%	23%	62%	15%	Total Population	53	19%	11%-31%	*	*	*	*	*	*	*	*	*	
ULEN																				
MeritCare	MeritCare	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
WARREN																				
North Valley Health Center	North Valley Health Center	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
WARROAD																				
Altru Health System	Altru Health System	7%	3%-16%	23%	61%	16%	Sample	61	8%	4%-18%	*	*	*	*	*	*	*	*	*	
WHEATON																				
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	13%	9%-23%	54%	29%	17%	Total Population	48	21%	12%-34%	*	*	*	*	*	*	*	*	*	

* Sufficient data not available. + Data not reported (for information on Physician Clinic Inclusion see page 120).

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Controlling High Blood Pressure									Use of Appropriate Medications for People with Asthma								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		70%	68-72%	28%	60%	12%			70%	68-72%	92%	92-92%	NA	77%	23%			92%	92-92%
ADA																			
Bridges Medical Center	Bridges Medical Center	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
ALEXANDRIA																			
Alexandria Clinic	Alexandria Clinic	66%	45%-86%	58%	2%	40%	Sample	79	86%	77%-92%	97%	90%-100%	N/A	49%	51%	Total Population	74	97%	91%-99%
Broadway Medical Center	Broadway Medical Center	52%	50%-54%	46%	2%	52%	Sample	72	72%	42%-90%	*	*	N/A	*	*	*	*	*	*
Midway Medical Clinic	Midway Medical Clinic	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
ASHBY																			
ELEAH Medical Center	ELEAH Medical Center	51%	32%-71%	13%	69%	18%	Sample	153	46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229	92%	87%-95%
BAGLEY																			
Clearwater Health Services Clinic	Clearwater Health Services	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
BARNESVILLE																			
Barnesville Area Clinic		*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
BAUDETTE																			
LakeWood Health Center Clinic	Lakewood Health Center Clinic	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
BEMIDJI																			
MeritCare- Bemidji Family Medicine	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%

* Sufficient data not available.

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Controlling High Blood Pressure									Use of Appropriate Medications for People with Asthma										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size				
Overall Minnesota Clinic Average		70%	68-72%	28%	60%	12%				70%	68-72%	92%	92-92%	NA	77%	23%				92%	92-92%
MeritCare- Bemidji North	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187		69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326		91%	88%-94%
MeritCare- Internal Medicine	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187		69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326		91%	88%-94%
CHOKIO																					
Graceville Health Center Clinic	Graceville Health Center Clinic	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
CROOKSTON																					
Altru Health System	Altru Health System	74%	58%-90%	6%	69%	25%	Sample	83		72%	52%-86%	89%	82%-94%	N/A	75%	25%	Total Population	102		89%	82%-94%
RiverView Clinic North	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
DETROIT LAKES																					
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187		69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326		91%	88%-94%
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
EAST GRAND FORKS																					
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187		69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326		91%	88%-94%
RiverView Clinic East Grand Forks	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
ELBOW LAKE																					
ELEAH Medical Center	ELEAH Medical Center	51%	32%-71%	13%	69%	18%	Sample	153		46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229		92%	87%-95%

* Sufficient data not available.

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Controlling High Blood Pressure									Use of Appropriate Medications for People with Asthma								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		70%	68-72%	28%	60%	12%			70%	68-72%	92%	92-92%	NA	77%	23%			92%	92-92%
EVANSVILLE																			
ELEAH Medical Center	ELEAH Medical Center	51%	32%-71%	13%	69%	18%	Sample	153	46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229	92%	87%-95%
FERTILE																			
RiverView Clinic	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
FOSSTON																			
Innovis Health	Innovis Health	50%	38%-62%	14%	62%	25%	Sample	65	34%	12%-65%	92%	85%-96%	N/A	56%	44%	Total Population	105	91%	85%-95%
FRAZEE																			
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
GLENWOOD																			
Glenwood Medical Center	Glenwood Medical Center	51%	32%-71%	13%	69%	18%	Sample	153	46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229	92%	87%-95%
HALLOCK																			
Kittson Memorial Clinic	Kittson Memorial Clinic	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
HALSTAD																			
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%
HAWLEY																			
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%

* Sufficient data not available.

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Controlling High Blood Pressure										Use of Appropriate Medications for People with Asthma							
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MM Health Care Programs													
Overall Minnesota Clinic Average		70%	68-72%	28%	60%	12%			70%	68-72%	92%	92-92%	NA	77%	23%			92%	92-92%
HENNING																			
Henning Medical Clinic	Tri-County Hospital	68%	48%-87%	0%	42%	58%	Sample	69	58%	39%-75%	86%	66%-99%	N/A	34%	66%	Total Population	32	94%	80%-98%
HOFFMAN																			
ELEAH Medical Center	ELEAH Medical Center	51%	32%-71%	13%	69%	18%	Sample	153	46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229	92%	87%-95%
MAHNOMEN																			
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%
MOORHEAD																			
Innovis Health	Innovis Health	50%	38%-62%	14%	62%	25%	Sample	65	34%	12%-65%	92%	85%-96%	N/A	56%	44%	Total Population	105	91%	85%-95%
MeritCare- South Moorhead Family Medicine	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%
MeritCare- South Moorhead Internal Medicine	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%
MORRIS																			
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	51%	32%-71%	13%	69%	18%	Sample	153	46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229	92%	87%-95%
Stevens Community Medical Center	Stevens Community Medical Center	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
NEW YORK MILLS																			
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%

* Sufficient data not available.

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Controlling High Blood Pressure										Use of Appropriate Medications for People with Asthma									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size						Medicare	Commercial	MN Health Care Programs		Sample Size			
Overall Minnesota Clinic Average		70%	68-72%	28%	60%	12%				70%	68-72%	92%	92-92%	NA	77%	23%				92%	92-92%
OKLEE																					
First Care Medical Services Clinic		*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
OTTERTAIL																					
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%		
Ottertail Area Medical Clinic	Tri-County Hospital	68%	48%-87%	0%	42%	58%	Sample	69	58%	39%-75%	86%	66%-99%	N/A	34%	66%	Total Population	32	94%	80%-98%		
PARK RAPIDS																					
Erickson Medical Clinic		*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
Innovis Health	Innovis Health	50%	38%-62%	14%	62%	25%	Sample	65	34%	12%-65%	92%	85%-96%	N/A	56%	44%	Total Population	105	91%	85%-95%		
PARKERS PRAIRIE																					
Broadway Medical Center	Broadway Medical Center	52%	50%-54%	46%	2%	52%	Sample	72	72%	42%-90%	*	*	N/A	*	*	*	*	*	*	*	
PELICAN RAPIDS																					
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%		
PERHAM																					
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%		
RED LAKE FALLS																					
RiverView Clinic	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*

* Sufficient data not available.

Quality of Care for Chronic Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Controlling High Blood Pressure									Use of Appropriate Medications for People with Asthma																									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate																	
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs																				
Overall Minnesota Clinic Average		70%	68-72%	28%	60%	12%				70%	68-72%	92%	92-92%	NA	77%	23%					92%	92-92%														
ROSEAU																																				
Altru Health System	Altru Health System	74%	58%-90%	6%	69%	25%	Sample	83	72%	52%-86%	89%	82%-94%	N/A	75%	25%	Total Population	102	89%	82%-94%																	
STARBUCK																																				
Stevens Community Medical Center	Stevens Community Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
THIEF RIVER FALLS																																				
MeritCare- Thief River Falls Northwest Clinic	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%																	
TWIN VALLEY																																				
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%																	
ULEN																																				
MeritCare	MeritCare	69%	57%-82%	14%	71%	16%	Sample	187	69%	56%-80%	93%	90%-95%	N/A	63%	37%	Total Population	326	91%	88%-94%																	
WARREN																																				
North Valley Health Center	North Valley Health Center	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
WARROAD																																				
Altru Health System	Altru Health System	74%	58%-90%	6%	69%	25%	Sample	83	72%	52%-86%	89%	82%-94%	N/A	75%	25%	Total Population	102	89%	82%-94%																	
WHEATON																																				
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	51%	32%-71%	13%	69%	18%	Sample	153	46%	28%-66%	91%	87%-94%	N/A	63%	37%	Total Population	229	92%	87%-95%																	

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Appropriate Treatment for Children with Upper Respiratory Infection								Appropriate Testing for Children with Pharyngitis											
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size				
Overall Minnesota Clinic Average		87%	87-87%	NA	56%	44%				87%	87-87%									86%	86-86%
ADA																					
Bridges Medical Center	Bridges Medical Center	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
ALEXANDRIA																					
Alexandria Clinic	Alexandria Clinic	68%	60%-75%	N/A	52%	48%	Total Population	153	68%	60%-75%	76%	68%-82%	N/A	61%	39%	Total Population	161	75%	67%-81%		
Broadway Medical Center	Broadway Medical Center	55%	48%-61%	N/A	47%	53%	Total Population	239	54%	48%-61%	65%	55%-74%	N/A	60%	40%	Total Population	92	64%	54%-73%		
Midway Medical Clinic	Midway Medical Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
ASHBY																					
ELEAH Medical Center	ELEAH Medical Center	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%		
BAGLEY																					
Clearwater Health Services Clinic	Clearwater Health Services	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
BARNESVILLE																					
Barnesville Area Clinic		*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
BAUDETTE																					
LakeWood Health Center Clinic	Lakewood Health Center Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
BEMIDJI																					
MeritCare- Bemidji Family Medicine	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%		

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Appropriate Treatment for Children with Upper Respiratory Infection									Appropriate Testing for Children with Pharyngitis								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		87%	87-87%	NA	56%	44%			87%	87-87%	86%	86-86%	NA	71%	29%			86%	86-86%
MeritCare- Bemidji North	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
MeritCare- Internal Medicine	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
CHOKIO																			
Graceville Health Center Clinic	Graceville Health Center Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
CROOKSTON																			
Altru Health System	Altru Health System	77%	72%-81%	N/A	42%	58%	Total Population	323	76%	71%-80%	57%	50%-63%	N/A	58%	42%	Total Population	206	54%	47%-61%
RiverView Clinic North	RiverView Health	45%	37%-55%	N/A	35%	65%	Total Population	129	50%	42%-59%	27%	18%-37%	N/A	56%	44%	Total Population	82	29%	21%-40%
DETROIT LAKES																			
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
EAST GRAND FORKS																			
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
RiverView Clinic East Grand Forks	RiverView Health	45%	37%-55%	N/A	35%	65%	Total Population	129	50%	42%-59%	27%	18%-37%	N/A	56%	44%	Total Population	82	29%	21%-40%
ELBOW LAKE																			
ELEAH Medical Center	ELEAH Medical Center	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Appropriate Treatment for Children with Upper Respiratory Infection									Appropriate Testing for Children with Pharyngitis								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size		
Overall Minnesota Clinic Average		87%	87-87%	NA	56%	44%			87%	87-87%	86%	86-86%	NA	71%	29%			86%	86-86%
EVANSVILLE																			
ELEAH Medical Center	ELEAH Medical Center	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%
FERTILE																			
RiverView Clinic	RiverView Health	45%	37%-55%	N/A	35%	65%	Total Population	129	50%	42%-59%	27%	18%-37%	N/A	56%	44%	Total Population	82	29%	21%-40%
FOSSTON																			
Innovis Health	Innovis Health	83%	78%-87%	N/A	43%	57%	Total Population	332	83%	78%-87%	71%	65%-77%	N/A	49%	51%	Total Population	258	69%	63%-74%
FRAZEE																			
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
GLENWOOD																			
Glenwood Medical Center	Glenwood Medical Center	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%
HALLOCK																			
Kittson Memorial Clinic	Kittson Memorial Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
HALSTAD																			
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
HAWLEY																			
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Appropriate Treatment for Children with Upper Respiratory Infection								Appropriate Testing for Children with Pharyngitis									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size		
Overall Minnesota Clinic Average		87%	87-87%	NA	56%	44%			87%	87-87%	86%	86-86%	NA	71%	29%			86%	86-86%
HENNING																			
Henning Medical Clinic	Tri-County Hospital	72%	63%-79%	N/A	30%	70%	Total Population	147	70%	62%-77%	74%	64%-82%	N/A	29%	71%	Total Population	146	66%	58%-74%
HOFFMAN																			
ELEAH Medical Center	ELEAH Medical Center	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%
MAHNOMEN																			
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
MOORHEAD																			
Innovis Health	Innovis Health	83%	78%-87%	N/A	43%	57%	Total Population	332	83%	78%-87%	71%	65%-77%	N/A	49%	51%	Total Population	258	69%	63%-74%
MeritCare- South Moorhead Family Medicine	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
MeritCare- South Moorhead Internal Medicine	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%
MORRIS																			
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%
Stevens Community Medical Center	Stevens Community Medical Center	89%	75%-96%	N/A	61%	39%	Total Population	36	89%	75%-96%	50%	36%-64%	N/A	62%	38%	Total Population	42	52%	38%-67%
NEW YORK MILLS																			
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Appropriate Treatment for Children with Upper Respiratory Infection								Appropriate Testing for Children with Pharyngitis										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		87%	87-87%	NA	56%	44%			87%	87-87%	86%	86-86%	NA	71%	29%			86%	86-86%	
OKLEE																				
First Care Medical Services Clinic		*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	
OTTERTAIL																				
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population 994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population 595	79%	75%-82%			
Ottetail Area Medical Clinic	Tri-County Hospital	72%	63%-79%	N/A	30%	70%	Total Population 147	70%	62%-77%	74%	64%-82%	N/A	29%	71%	Total Population 146	66%	58%-74%			
PARK RAPIDS																				
Erickson Medical Clinic		*	*	N/A	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*		
Innovis Health	Innovis Health	83%	78%-87%	N/A	43%	57%	Total Population 332	83%	78%-87%	71%	65%-77%	N/A	49%	51%	Total Population 258	69%	63%-74%			
PARKERS PRAIRIE																				
Broadway Medical Center	Broadway Medical Center	55%	48%-61%	N/A	47%	53%	Total Population 239	54%	48%-61%	65%	55%-74%	N/A	60%	40%	Total Population 92	64%	54%-73%			
PELICAN RAPIDS																				
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population 994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population 595	79%	75%-82%			
PERHAM																				
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population 994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population 595	79%	75%-82%			
RED LAKE FALLS																				
RiverView Clinic	RiverView Health	45%	37%-55%	N/A	35%	65%	Total Population 129	50%	42%-59%	27%	18%-37%	N/A	56%	44%	Total Population 82	29%	21%-40%			

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Appropriate Treatment for Children with Upper Respiratory Infection								Appropriate Testing for Children with Pharyngitis																		
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate									
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size											
Overall Minnesota Clinic Average		87%	87-87%	NA	56%	44%				87%	87-87%									86%	86-86%	NA	71%	29%			86%	86-86%
ROSEAU																												
Altru Health System	Altru Health System	77%	72%-81%	N/A	42%	58%	Total Population	323	76%	71%-80%	57%	50%-63%	N/A	58%	42%	Total Population	206	54%	47%-61%									
STARBUCK																												
Stevens Community Medical Center	Stevens Community Medical Center	89%	75%-96%	N/A	61%	39%	Total Population	36	89%	75%-96%	50%	36%-64%	N/A	62%	38%	Total Population	42	52%	38%-67%									
THIEF RIVER FALLS																												
MeritCare- Thief River Falls Northwest Clinic	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%									
TWIN VALLEY																												
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%									
ULEN																												
MeritCare	MeritCare	90%	88%-92%	N/A	42%	58%	Total Population	994	90%	88%-92%	78%	75%-82%	N/A	56%	44%	Total Population	595	79%	75%-82%									
WARREN																												
North Valley Health Center	North Valley Health Center	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*								
WARROAD																												
Altru Health System	Altru Health System	77%	72%-81%	N/A	42%	58%	Total Population	323	76%	71%-80%	57%	50%-63%	N/A	58%	42%	Total Population	206	54%	47%-61%									
WHEATON																												
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	73%	69%-76%	N/A	44%	56%	Total Population	752	73%	70%-76%	72%	69%-76%	N/A	55%	45%	Total Population	618	71%	68%-75%									

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

Avoidance of Antibiotics in the Treatment of Adult Bronchitis

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		19%	19-20%	NA	87%	13%			19%	19-20%
ADA										
Bridges Medical Center	Bridges Medical Center	*	*	N/A	*	*	*	*	*	*
ALEXANDRIA										
Alexandria Clinic	Alexandria Clinic	20%	14%-27%	N/A	80%	20%	Total Population	162	20%	14%-27%
Broadway Medical Center	Broadway Medical Center	7%	3%-18%	N/A	81%	19%	Total Population	48	8%	3%-20%
Midway Medical Clinic	Midway Medical Clinic	*	*	N/A	*	*	*	*	*	*
ASHBY										
ELEAH Medical Center	ELEAH Medical Center	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%
BAGLEY										
Clearwater Health Services Clinic	Clearwater Health Services	*	*	N/A	*	*	*	*	*	*
BARNESVILLE										
Barnesville Area Clinic		*	*	N/A	*	*	*	*	*	*
BAUDETTE										
LakeWood Health Center Clinic	Lakewood Health Center Clinic	*	*	N/A	*	*	*	*	*	*
BEMIDJI										
MeritCare- Bemidji Family Medicine	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

		Avoidance of Antibiotics in the Treatment of Adult Bronchitis								
PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		19%	19-20%	NA	87%	13%			19%	19-20%
MeritCare- Bemidji North	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
MeritCare- Internal Medicine	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
CHOKIO										
Graceville Health Center Clinic	Graceville Health Center Clinic	*	*	N/A	*	*	*	*	*	*
CROOKSTON										
Altru Health System	Altru Health System	21%	10%-38%	N/A	71%	29%	Total Population	35	23%	12%-39%
RiverView Clinic North	RiverView Health	*	*	N/A	*	*	*	*	*	*
DETROIT LAKES										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	N/A	*	*	*	*	*	*
EAST GRAND FORKS										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
RiverView Clinic East Grand Forks	RiverView Health	*	*	N/A	*	*	*	*	*	*
ELBOW LAKE										
ELEAH Medical Center	ELEAH Medical Center	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

Avoidance of Antibiotics in the Treatment of Adult Bronchitis

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		19%	19-20%	NA	87%	13%			19%	19-20%
EVANSVILLE										
ELEAH Medical Center	ELEAH Medical Center	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%
FERTILE										
RiverView Clinic	RiverView Health	*	*	N/A	*	*	*	*	*	*
FOSSTON										
Innovis Health	Innovis Health	8%	5%-13%	N/A	62%	38%	Total Population	229	8%	5%-12%
FRAZEE										
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	N/A	*	*	*	*	*	*
GLENWOOD										
Glenwood Medical Center	Glenwood Medical Center	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%
HALLOCK										
Kittson Memorial Clinic	Kittson Memorial Clinic	*	*	N/A	*	*	*	*	*	*
HALSTAD										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
HAWLEY										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

		Avoidance of Antibiotics in the Treatment of Adult Bronchitis									
PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs					
Overall Minnesota Clinic Average		19%	19-20%	NA	87%	13%			19%	19-20%	
HENNING											
Henning Medical Clinic	Tri-County Hospital	17%	8%-28%	N/A	60%	40%	Total Population	72	13%	7%-22%	
HOFFMAN											
ELEAH Medical Center	ELEAH Medical Center	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%	
MAHNOMEN											
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%	
MOORHEAD											
Innovis Health	Innovis Health	8%	5%-13%	N/A	62%	38%	Total Population	229	8%	5%-12%	
MeritCare- South Moorhead Family Medicine	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%	
MeritCare- South Moorhead Internal Medicine	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%	
MORRIS											
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%	
Stevens Community Medical Center	Stevens Community Medical Center	18%	8%-34%	N/A	84%	16%	Total Population	31	16%	7%-33%	
NEW YORK MILLS											
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%	

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

Avoidance of Antibiotics in the Treatment of Adult Bronchitis

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		19%	19-20%	NA	87%	13%			19%	19-20%
OKLEE										
First Care Medical Services Clinic		*	*	N/A	*	*	*	*	*	*
OTTERTAIL										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
Ottertail Area Medical Clinic	Tri-County Hospital	17%	8%-28%	N/A	60%	40%	Total Population	72	13%	7%-22%
PARK RAPIDS										
Erickson Medical Clinic		*	*	N/A	*	*	*	*	*	*
Innovis Health	Innovis Health	8%	5%-13%	N/A	62%	38%	Total Population	229	8%	5%-12%
PARKERS PRAIRIE										
Broadway Medical Center	Broadway Medical Center	7%	3%-18%	N/A	81%	19%	Total Population	48	8%	3%-20%
PELICAN RAPIDS										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
PERHAM										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
RED LAKE FALLS										
RiverView Clinic	RiverView Health	*	*	N/A	*	*	*	*	*	*

* Sufficient data not available.

Quality of Care for Acute Conditions

See page 73 for an explanation of terms.

Avoidance of Antibiotics in the Treatment of Adult Bronchitis

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		19%	19-20%	NA	87%	13%			19%	19-20%
ROSEAU										
Altru Health System	Altru Health System	21%	10%-38%	N/A	71%	29%	Total Population	35	23%	12%-39%
STARBUCK										
Stevens Community Medical Center	Stevens Community Medical Center	18%	8%-34%	N/A	84%	16%	Total Population	31	16%	7%-33%
THIEF RIVER FALLS										
MeritCare- Thief River Falls Northwest Clinic	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
TWIN VALLEY										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
ULEN										
MeritCare	MeritCare	13%	11%-17%	N/A	77%	23%	Total Population	454	13%	11%-17%
WARREN										
North Valley Health Center	North Valley Health Center	*	*	N/A	*	*	*	*	*	*
WARROAD										
Altru Health System	Altru Health System	21%	10%-38%	N/A	71%	29%	Total Population	35	23%	12%-39%
WHEATON										
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	12%	9%-17%	N/A	75%	25%	Total Population	257	12%	9%-17%

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Breast Cancer Screening									Cervical Cancer Screening																								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate																
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs																			
Overall Minnesota Clinic Average		83%	82-83%	9%	86%	5%				83%	82-83%	80%	80-81%	NA	84%	16%				80%	80-81%														
ADA																																			
Bridges Medical Center	Bridges Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
ALEXANDRIA																																			
Alexandria Clinic	Alexandria Clinic	88%	85%-90%	10%	82%	8%	Total Population	517	87%	84%-90%	82%	79%-85%	N/A	81%	19%	Total Population	671	82%	79%-84%																
Broadway Medical Center	Broadway Medical Center	79%	74%-83%	8%	84%	8%	Total Population	344	78%	74%-83%	75%	70%-79%	N/A	79%	21%	Total Population	403	75%	70%-79%																
Midway Medical Clinic	Midway Medical Clinic	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ASHBY																																			
ELEAH Medical Center	ELEAH Medical Center	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%																
BAGLEY																																			
Clearwater Health Services Clinic	Clearwater Health Services	86%	74%-93%	2%	73%	24%	Total Population	49	86%	73%-93%	76%	62%-87%	N/A	70%	30%	Total Population	47	74%	60%-85%																
BARNESVILLE																																			
Barnesville Area Clinic		*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
BAUDETTE																																			
LakeWood Health Center Clinic	Lakewood Health Center Clinic	80%	64%-91%	0%	71%	29%	Total Population	35	80%	64%-90%	59%	43%-73%	N/A	70%	30%	Total Population	40	58%	42%-71%																
BEMIDJI																																			
MeritCare- Bemidji Family Medicine	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%																

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Breast Cancer Screening								Cervical Cancer Screening									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
		Medicare	Commercial	MM Health Care Programs		Sample Size				Medicare	Commercial	MM Health Care Programs		Sample Size					
Overall Minnesota Clinic Average		83%	82-83%	9%	86%	5%			83%	82-83%	80%	80-81%	NA	84%	16%			80%	80-81%
MeritCare- Bemidji North	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%
MeritCare- Internal Medicine	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%
CHOKIO																			
Graceville Health Center Clinic	Graceville Health Center Clinic	75%	59%-87%	3%	69%	29%	Total Population	35	74%	58%-86%	81%	68%-90%	N/A	77%	23%	Total Population	48	81%	68%-90%
CROOKSTON																			
Altru Health System	Altru Health System	82%	79%-85%	3%	86%	11%	Total Population	613	82%	79%-85%	79%	76%-82%	N/A	79%	21%	Total Population	795	79%	76%-82%
RiverView Clinic North	RiverView Health	84%	75%-90%	0%	92%	8%	Total Population	74	84%	74%-90%	68%	59%-75%	N/A	78%	22%	Total Population	130	67%	58%-74%
DETROIT LAKES																			
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
EAST GRAND FORKS																			
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%
RiverView Clinic East Grand Forks	RiverView Health	84%	75%-90%	0%	92%	8%	Total Population	74	84%	74%-90%	68%	59%-75%	N/A	78%	22%	Total Population	130	67%	58%-74%
ELBOW LAKE																			
ELEAH Medical Center	ELEAH Medical Center	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Breast Cancer Screening								Cervical Cancer Screening											
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size				
Overall Minnesota Clinic Average		83%	82-83%	9%	86%	5%				83%	82-83%									80%	80-81%
EVANSVILLE																					
ELEAH Medical Center	ELEAH Medical Center	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%		
FERTILE																					
RiverView Clinic	RiverView Health	84%	75%-90%	0%	92%	8%	Total Population	74	84%	74%-90%	68%	59%-75%	N/A	78%	22%	Total Population	130	67%	58%-74%		
FOSSTON																					
Innovis Health	Innovis Health	80%	77%-83%	5%	83%	12%	Total Population	960	79%	77%-82%	78%	75%-80%	N/A	77%	23%	Total Population	1161	77%	74%-79%		
FRAZEE																					
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
GLENWOOD																					
Glenwood Medical Center	Glenwood Medical Center	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%		
HALLOCK																					
Kittson Memorial Clinic	Kittson Memorial Clinic	72%	61%-81%	0%	88%	12%	Total Population	66	71%	59%-81%	53%	41%-65%	N/A	78%	22%	Total Population	69	54%	42%-65%		
HALSTAD																					
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%		
HAWLEY																					
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%		

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME

MEDICAL GROUP NAME

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Breast Cancer Screening								Cervical Cancer Screening										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs					
Overall Minnesota Clinic Average		83%	82-83%	9%	86%	5%				83%	82-83%	80%	80-81%	NA	84%	16%			80%	80-81%
HENNING																				
Henning Medical Clinic	Tri-County Hospital	72%	65%-78%	2%	79%	18%	Total Population	211	70%	63%-75%	78%	72%-83%	N/A	61%	39%	Total Population	251	75%	69%-80%	
HOFFMAN																				
ELEAH Medical Center	ELEAH Medical Center	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%	
MAHNOMEN																				
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	
MOORHEAD																				
Innovis Health	Innovis Health	80%	77%-83%	5%	83%	12%	Total Population	960	79%	77%-82%	78%	75%-80%	N/A	77%	23%	Total Population	1161	77%	74%-79%	
MeritCare- South Moorhead Family Medicine	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	
MeritCare- South Moorhead Internal Medicine	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	
MORRIS																				
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%	
Stevens Community Medical Center	Stevens Community Medical Center	90%	82%-95%	9%	75%	16%	Total Population	75	88%	79%-94%	79%	70%-85%	N/A	78%	22%	Total Population	108	77%	68%-84%	
NEW YORK MILLS																				
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Breast Cancer Screening									Cervical Cancer								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
Medicare	Commercial			MN Health Care Programs	Sample Size	Sample Size	Medicare	Commercial					MN Health Care Programs	Sample Size	Sample Size				
Overall Minnesota Clinic Average		83%	82-83%	9%	86%	5%			83%	82-83%	80%	80-81%	NA	84%	16%			80%	80-81%
OKLEE																			
First Care Medical Services Clinic		*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
OTTERTAIL																			
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population 2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population 3875	79%	78%-80%		
Ottertail Area Medical Clinic	Tri-County Hospital	72%	65%-78%	2%	79%	18%	Total Population 211	70%	63%-75%	78%	72%-83%	N/A	61%	39%	Total Population 251	75%	69%-80%		
PARK RAPIDS																			
Erickson Medical Clinic		*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
Innovis Health	Innovis Health	80%	77%-83%	5%	83%	12%	Total Population 960	79%	77%-82%	78%	75%-80%	N/A	77%	23%	Total Population 1161	77%	74%-79%		
PARKERS PRAIRIE																			
Broadway Medical Center	Broadway Medical Center	79%	74%-83%	8%	84%	8%	Total Population 344	78%	74%-83%	75%	70%-79%	N/A	79%	21%	Total Population 403	75%	70%-79%		
PELICAN RAPIDS																			
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population 2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population 3875	79%	78%-80%		
PERHAM																			
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population 2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population 3875	79%	78%-80%		
RED LAKE FALLS																			
RiverView Clinic	RiverView Health	84%	75%-90%	0%	92%	8%	Total Population 74	84%	74%-90%	68%	59%-75%	N/A	78%	22%	Total Population 130	67%	58%-74%		

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME MEDICAL GROUP NAME

		Breast Cancer Screening								Cervical Cancer Screening										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs					
Overall Minnesota Clinic Average		83%	82-83%	9%	86%	5%				83%	82-83%	80%	80-81%	NA	84%	16%			80%	80-81%
ROSEAU																				
Altru Health System	Altru Health System	82%	79%-85%	3%	86%	11%	Total Population	613	82%	79%-85%	79%	76%-82%	N/A	79%	21%	Total Population	795	79%	76%-82%	
STARBUCK																				
Stevens Community Medical Center	Stevens Community Medical Center	90%	82%-95%	9%	75%	16%	Total Population	75	88%	79%-94%	79%	70%-85%	N/A	78%	22%	Total Population	108	77%	68%-84%	
THIEF RIVER FALLS																				
MeritCare- Thief River Falls Northwest Clinic	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	
TWIN VALLEY																				
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	
ULEN																				
MeritCare	MeritCare	84%	82%-85%	5%	87%	8%	Total Population	2896	83%	82%-85%	79%	78%-81%	N/A	79%	21%	Total Population	3875	79%	78%-80%	
WARREN																				
North Valley Health Center	North Valley Health Center	*	*	*	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
WARROAD																				
Altru Health System	Altru Health System	82%	79%-85%	3%	86%	11%	Total Population	613	82%	79%-85%	79%	76%-82%	N/A	79%	21%	Total Population	795	79%	76%-82%	
WHEATON																				
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	79%	77%-81%	3%	86%	11%	Total Population	1578	79%	77%-81%	76%	74%-78%	N/A	78%	22%	Total Population	1975	75%	73%-77%	

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Colorectal Cancer Screening									Cancer Combined Screening									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
				Medicare	Commercial	MN Health Care Programs														
Overall Minnesota Clinic Average		72%	69-74%	20%	76%	4%				72%	69-74%	53%	50-55%	20%	77%	3%			53%	50-55%
ADA																				
Bridges Medical Center	Bridges Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ALEXANDRIA																				
Alexandria Clinic	Alexandria Clinic	90%	78%-100%	18%	78%	5%	Sample	65	91%	67%-98%	89%	77%-100%	18%	78%	5%	Sample	65	90%	66%-98%	
Broadway Medical Center	Broadway Medical Center	77%	46%-100%	15%	78%	7%	Sample	66	76%	45%-93%	35%	28%-41%	15%	78%	7%	Sample	66	33%	23%-45%	
Midway Medical Clinic	Midway Medical Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
ASHBY																				
ELEAH Medical Center	ELEAH Medical Center	43%	2%-83%	7%	87%	6%	Sample	97	39%	12%-75%	15%	6%-24%	7%	87%	6%	Sample	97	7%	2%-21%	
BAGLEY																				
Clearwater Health Services Clinic	Clearwater Health Services	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BARNESVILLE																				
Barnesville Area Clinic		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BAUDETTE																				
LakeWood Health Center Clinic	Lakewood Health Center Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BEMIDJI																				
MeritCare- Bemidji Family Medicine	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%	

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME MEDICAL GROUP NAME

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Colorectal Cancer Screening									Cancer Combined Screening												
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate				
				Medicare	Commercial	MN Health Care Programs		Sample Size						Medicare	Commercial	MN Health Care Programs		Sample Size					
Overall Minnesota Clinic Average		72%	69-74%	20%	76%	4%				72%	69-74%			53%	50-55%	20%	77%	3%			53%	50-55%	
MeritCare- Bemidji North	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107		80%	66%-89%			62%	46%-79%	10%	84%	6%	Sample	102		62%	44%-77%
MeritCare- Internal Medicine	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107		80%	66%-89%			62%	46%-79%	10%	84%	6%	Sample	102		62%	44%-77%
CHOKIO																							
Graceville Health Center Clinic	Graceville Health Center Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
CROOKSTON																							
Altru Health System	Altru Health System	53%	33%-73%	6%	82%	12%	Sample	82		48%	27%-70%			*	*	*	*	*	*	*	*	*	
RiverView Clinic North	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
DETROIT LAKES																							
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107		80%	66%-89%			62%	46%-79%	10%	84%	6%	Sample	102		62%	44%-77%
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
EAST GRAND FORKS																							
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107		80%	66%-89%			62%	46%-79%	10%	84%	6%	Sample	102		62%	44%-77%
RiverView Clinic East Grand Forks	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
ELBOW LAKE																							
ELEAH Medical Center	ELEAH Medical Center	43%	2%-83%	7%	87%	6%	Sample	97		39%	12%-75%			15%	6%-24%	7%	87%	6%	Sample	97		7%	2%-21%

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Colorectal Cancer Screening										Cancer Combined Screening									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size						Medicare	Commercial	MN Health Care Programs		Sample Size			
Overall Minnesota Clinic Average		72%	69-74%	20%	76%	4%				72%	69-74%	53%	50-55%	20%	77%	3%				53%	50-55%
EVANSVILLE																					
ELEAH Medical Center	ELEAH Medical Center	43%	2%-83%	7%	87%	6%	Sample	97	39%	12%-75%	15%	6%-24%	7%	87%	6%	Sample	97	7%	2%-21%		
FERTILE																					
RiverView Clinic	RiverView Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOSSTON																					
Innovis Health	Innovis Health	70%	44%-95%	9%	79%	11%	Sample	81	66%	40%-85%	*	*	*	*	*	*	*	*	*	*	*
FRAZEE																					
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GLENWOOD																					
Glenwood Medical Center	Glenwood Medical Center	43%	2%-83%	7%	87%	6%	Sample	97	39%	12%-75%	15%	6%-24%	7%	87%	6%	Sample	97	7%	2%-21%		
HALLOCK																					
Kittson Memorial Clinic	Kittson Memorial Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HALSTAD																					
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%		
HAWLEY																					
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%		

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME MEDICAL GROUP NAME

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Colorectal Cancer Screening									Cancer Combined Screening										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs					
Overall Minnesota Clinic Average		72%	69-74%	20%	76%	4%				72%	69-74%	53%	50-55%	20%	77%	3%				53%	50-55%
HENNING																					
Henning Medical Clinic	Tri-County Hospital	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOFFMAN																					
ELEAH Medical Center	ELEAH Medical Center	43%	2%-83%	7%	87%	6%	Sample	97	39%	12%-75%	15%	6%-24%	7%	87%	6%	Sample	97	7%	2%-21%		
MAHNOMEN																					
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%		
MOORHEAD																					
Innovis Health	Innovis Health	70%	44%-95%	9%	79%	11%	Sample	81	66%	40%-85%	*	*	*	*	*	*	*	*	*		
MeritCare- South Moorhead Family Medicine	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%		
MeritCare- South Moorhead Internal Medicine	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%		
MORRIS																					
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	43%	2%-83%	7%	87%	6%	Sample	97	39%	12%-75%	15%	6%-24%	7%	87%	6%	Sample	97	7%	2%-21%		
Stevens Community Medical Center	Stevens Community Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
NEW YORK MILLS																					
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%		

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN
CLINIC NAME

MEDICAL
GROUP NAME

	Colorectal Cancer Screening										Cancer Combined Screening							
	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
Medicare			Commercial	MN Health Care Programs	Sample	Size	Medicare					Commercial	MN Health Care Programs	Sample	Size			
Overall Minnesota Clinic Average	72%	69-74%	20%	76%	4%			72%	69-74%	53%	50-55%	20%	77%	3%			53%	50-55%
OKLEE																		
First Care Medical Services Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTTERTAIL																		
MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%
Ottertail Area Medical Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PARK RAPIDS																		
Erickson Medical Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Innovis Health	70%	44%-95%	9%	79%	11%	Sample	81	66%	40%-85%	*	*	*	*	*	*	*	*	
PARKERS PRAIRIE																		
Broadway Medical Center	77%	46%-100%	15%	78%	7%	Sample	66	76%	45%-93%	35%	28%-41%	15%	78%	7%	Sample	66	33%	23%-45%
PELICAN RAPIDS																		
MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%
PERHAM																		
MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%
RED LAKE FALLS																		
RiverView Clinic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Colorectal Cancer Screening									Cancer Combined Screening																										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate																		
				Medicare	Commercial	MN Health Care Programs								Medicare	Commercial	MN Health Care Programs																					
Overall Minnesota Clinic Average		72%	69-74%	20%	76%	4%				72%	69-74%	53%	50-55%	20%	77%	3%				53%	50-55%																
ROSEAU																																					
Altru Health System	Altru Health System	53%	33%-73%	6%	82%	12%	Sample	82	48%	27%-70%	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
STARBUCK																																					
Stevens Community Medical Center	Stevens Community Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
THIEF RIVER FALLS																																					
MeritCare- Thief River Falls Northwest Clinic	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%																		
TWIN VALLEY																																					
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%																		
ULEN																																					
MeritCare	MeritCare	79%	68%-90%	10%	84%	6%	Sample	107	80%	66%-89%	62%	46%-79%	10%	84%	6%	Sample	102	62%	44%-77%																		
WARREN																																					
North Valley Health Center	North Valley Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
WARROAD																																					
Altru Health System	Altru Health System	53%	33%-73%	6%	82%	12%	Sample	82	48%	27%-70%	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
WHEATON																																					
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	43%	2%-83%	7%	87%	6%	Sample	97	39%	12%-75%	15%	6%-24%	7%	87%	6%	Sample	97	7%	2%-21%																		

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Chlamydia Screening									Childhood Immunization Status								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		49%	49-50%	NA	77%	23%			49%	49-50%	80%	78-81%	NA	63%	37%			80%	78-81%
ADA																			
Bridges Medical Center	Bridges Medical Center	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
ALEXANDRIA																			
Alexandria Clinic	Alexandria Clinic	16%	11%-22%	N/A	55%	45%	Total Population	204	16%	12%-22%	65%	9%-100%	N/A	42%	58%	Sample	69	63%	35%-85%
Broadway Medical Center	Broadway Medical Center	35%	27%-44%	N/A	60%	40%	Total Population	125	34%	27%-43%	*	*	N/A	*	*	*	*	*	*
Midway Medical Clinic	Midway Medical Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
ASHBY																			
ELEAH Medical Center	ELEAH Medical Center	35%	31%-39%	N/A	60%	40%	Total Population	678	37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111	71%	55%-83%
BAGLEY																			
Clearwater Health Services Clinic	Clearwater Health Services	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
BARNESVILLE																			
Barnesville Area Clinic		*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
BAUDETTE																			
LakeWood Health Center Clinic	Lakewood Health Center Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
BEMIDJI																			
MeritCare- Bemidji Family Medicine	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Chlamydia Screening									Childhood Immunization Status										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size				
Overall Minnesota Clinic Average		49%	49-50%	NA	77%	23%				49%	49-50%	80%	78-81%	NA	63%	37%				80%	78-81%
MeritCare- Bemidji North	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457		32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82		89%	76%-95%
MeritCare- Internal Medicine	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457		32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82		89%	76%-95%
CHOKIO																					
Graceville Health Center Clinic	Graceville Health Center Clinic	*	*	N/A	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
CROOKSTON																					
Altru Health System	Altru Health System	28%	24%-32%	N/A	74%	26%	Total Population	426		28%	24%-33%	73%	57%-88%	N/A	47%	53%	Sample	63		71%	57%-82%
RiverView Clinic North	RiverView Health	34%	21%-50%	N/A	54%	46%	Total Population	46		33%	21%-47%	*	*	N/A	*	*	*	*	*	*	*
DETROIT LAKES																					
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457		32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82		89%	76%-95%
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	N/A	*	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*
EAST GRAND FORKS																					
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457		32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82		89%	76%-95%
RiverView Clinic East Grand Forks	RiverView Health	34%	21%-50%	N/A	54%	46%	Total Population	46		33%	21%-47%	*	*	N/A	*	*	*	*	*	*	*
ELBOW LAKE																					
ELEAH Medical Center	ELEAH Medical Center	35%	31%-39%	N/A	60%	40%	Total Population	678		37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111		71%	55%-83%

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Chlamydia Screening								Childhood Immunization Status											
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate		
				Medicare	Commercial	MN Health Care Programs		Sample Size					Medicare	Commercial	MN Health Care Programs		Sample Size				
Overall Minnesota Clinic Average		49%	49-50%	NA	77%	23%				49%	49-50%									80%	78-81%
EVANSVILLE																					
ELEAH Medical Center	ELEAH Medical Center	35%	31%-39%	N/A	60%	40%	Total Population	678	37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111	71%	55%-83%		
FERTILE																					
RiverView Clinic	RiverView Health	34%	21%-50%	N/A	54%	46%	Total Population	46	33%	21%-47%	*	*	N/A	*	*	*	*	*	*	*	*
FOSSTON																					
Innovis Health	Innovis Health	33%	28%-38%	N/A	57%	43%	Total Population	406	33%	29%-38%	84%	73%-94%	N/A	42%	58%	Sample	67	83%	69%-92%		
FRAZEE																					
St. Mary's Innovis Health Clinic	St. Mary's Innovis Health	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
GLENWOOD																					
Glenwood Medical Center	Glenwood Medical Center	35%	31%-39%	N/A	60%	40%	Total Population	678	37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111	71%	55%-83%		
HALLOCK																					
Kittson Memorial Clinic	Kittson Memorial Clinic	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	*	*
HALSTAD																					
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%		
HAWLEY																					
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%		

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME MEDICAL GROUP NAME

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Chlamydia Screening								Childhood Immunization Status									
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs				
Overall Minnesota Clinic Average		49%	49-50%	NA	77%	23%			49%	49-50%	80%	78-81%	NA	63%	37%			80%	78-81%
HENNING																			
Henning Medical Clinic	Tri-County Hospital	17%	10%-28%	N/A	52%	48%	Total Population	71	21%	13%-32%	*	*	N/A	*	*	*	*	*	*
HOFFMAN																			
ELEAH Medical Center	ELEAH Medical Center	35%	31%-39%	N/A	60%	40%	Total Population	678	37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111	71%	55%-83%
MAHNOMEN																			
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%
MOORHEAD																			
Innovis Health	Innovis Health	33%	28%-38%	N/A	57%	43%	Total Population	406	33%	29%-38%	84%	73%-94%	N/A	42%	58%	Sample	67	83%	69%-92%
MeritCare- South Moorhead Family Medicine	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%
MeritCare- South Moorhead Internal Medicine	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%
MORRIS																			
ELEAH Medical Center - Morris Prairie Medical	ELEAH Medical Center	35%	31%-39%	N/A	60%	40%	Total Population	678	37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111	71%	55%-83%
Stevens Community Medical Center	Stevens Community Medical Center	25%	16%-37%	N/A	67%	33%	Total Population	55	27%	17%-40%	*	*	N/A	*	*	*	*	*	*
NEW YORK MILLS																			
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN
CLINIC NAME

MEDICAL
GROUP NAME

PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME	Chlamydia Screening									Childhood Immunization Status								
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample		Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate
				Medicare	Commercial	MN Health Care Programs	Sample Size	Sample Size					Medicare	Commercial	MN Health Care Programs	Sample Size	Sample Size		
Overall Minnesota Clinic Average		49%	49-50%	NA	77%	23%			49%	49-50%	80%	78-81%	NA	63%	37%			80%	78-81%
OKLEE																			
First Care Medical Services Clinic		*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*
OTTERTAIL																			
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population 1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample 82	82	89%	76%-95%	
Ottertail Area Medical Clinic	Tri-County Hospital	17%	10%-28%	N/A	52%	48%	Total Population 71	21%	13%-32%	*	*	N/A	*	*	*	*	*	*	
PARK RAPIDS																			
Erickson Medical Clinic		*	*	N/A	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	
Innovis Health	Innovis Health	33%	28%-38%	N/A	57%	43%	Total Population 406	33%	29%-38%	84%	73%-94%	N/A	42%	58%	Sample 67	67	83%	69%-92%	
PARKERS PRAIRIE																			
Broadway Medical Center	Broadway Medical Center	35%	27%-44%	N/A	60%	40%	Total Population 125	34%	27%-43%	*	*	N/A	*	*	*	*	*	*	
PELICAN RAPIDS																			
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population 1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample 82	82	89%	76%-95%	
PERHAM																			
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population 1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample 82	82	89%	76%-95%	
RED LAKE FALLS																			
RiverView Clinic	RiverView Health	34%	21%-50%	N/A	54%	46%	Total Population 46	33%	21%-47%	*	*	N/A	*	*	*	*	*	*	

* Sufficient data not available.

Quality of Preventive Care

See page 73 for an explanation of terms.

PHYSICIAN CLINIC NAME MEDICAL GROUP NAME

		Chlamydia Screening								Childhood Immunization Status										
		Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Medical Group Distribution of Patient Population			Total Population or Sample	Sample Size	Non-Risk Adjusted Rate	Confidence Interval of Non-Risk Adjusted Rate	
PHYSICIAN CLINIC NAME	MEDICAL GROUP NAME			Medicare	Commercial	MN Health Care Programs							Medicare	Commercial	MN Health Care Programs					
Overall Minnesota Clinic Average		49%	49-50%	NA	77%	23%				49%	49-50%	80%	78-81%	NA	63%	37%			80%	78-81%
ROSEAU																				
Altru Health System	Altru Health System	28%	24%-32%	N/A	74%	26%	Total Population	426	28%	24%-33%	73%	57%-88%	N/A	47%	53%	Sample	63	71%	57%-82%	
STARBUCK																				
Stevens Community Medical Center	Stevens Community Medical Center	25%	16%-37%	N/A	67%	33%	Total Population	55	27%	17%-40%	*	*	N/A	*	*	*	*	*	*	
THIEF RIVER FALLS																				
MeritCare- Thief River Falls Northwest Clinic	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%	
TWIN VALLEY																				
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%	
ULEN																				
MeritCare	MeritCare	31%	29%-33%	N/A	67%	33%	Total Population	1457	32%	30%-34%	88%	76%-99%	N/A	50%	50%	Sample	82	89%	76%-95%	
WARREN																				
North Valley Health Center	North Valley Health Center	*	*	N/A	*	*	*	*	*	*	*	*	N/A	*	*	*	*	*	*	
WARROAD																				
Altru Health System	Altru Health System	28%	24%-32%	N/A	74%	26%	Total Population	426	28%	24%-33%	73%	57%-88%	N/A	47%	53%	Sample	63	71%	57%-82%	
WHEATON																				
Wheaton Community Medical Center	Wheaton Community Medical Center Clinic	35%	31%-39%	N/A	60%	40%	Total Population	678	37%	33%-40%	70%	63%-78%	N/A	50%	50%	Sample	111	71%	55%-83%	

* Sufficient data not available.

DATA SOURCES AND DATA COLLECTION PROCEDURES

MEASURES REPORTED DIRECTLY BY PHYSICIAN CLINICS

Physician clinics directly report data on the optimal diabetes and optimal vascular care measures. All data elements are specified by the Minnesota Department of Health in Minnesota Rules Chapter 4654 and its technical appendices. These data elements are described at a more detailed level in MN Community Measurement's 2010 Direct Data Submission (DDS) Guide and Summary Data Submission (SDS) Guide (both relating to 2009 dates of service). These guides provide detailed steps and instructions to ensure submitted data meets rigorous standards.

Under Minnesota Rules Chapter 4654, physician clinics are required to submit data at a summary level. Physician clinics may meet these data submission requirements in one of two ways: 1) they may choose to submit data through the Direct Data Submission process as part of an agreement with MN Community Measurement (MNCM) and authorize MNCM to submit summary data results to MDH on their behalf; or 2) they may submit summary levels of information directly to MNCM's portal through the Summary Data Submission process. Data submitted through the DDS process are audited by MNCM. Virtually all clinics (519 out of 523 on the optimal diabetes measure and 518 out of 520 on the optimal vascular care measure) used the DDS process in reporting data on 2009 dates of service.

Regardless of which data submission method they use, physician clinics must first register through the MNCM Data Portal. Once registered, they indicate which data submission process they intend to use. In this reporting cycle, physician clinics could opt to report data on a clinic's total patient population or

to submit data for a random sample of the clinic's entire patient population. Detailed instructions for sampling are also provided in the DDS Guide and SDS Guide. Data is collected from medical records by clinic abstractors either extracting the data from an electronic medical record through a data query or by abstracting the data from a paper-based medical record. Physician clinics complete numerous quality checks of the data before it is submitted to MNCM. All appropriate HIPAA requirements are followed for data submitted through the DDS process. These requirements do not apply to summary data submission because no patient-identifiable information is reported.

The required data elements are submitted directly through the portal by physician clinics. If the data is submitted through the DDS process, an extensive validation process is followed. MNCM uses the National Committee for Quality Assurance's (NCQA) "8 and 30" File Sampling Procedure, developed in 1996 in consultation with Johns Hopkins University. For a detailed description of this procedure, see www.ncqa.org.

CLAIMS-BASED MEASURES CALCULATED AT THE MEDICAL GROUP LEVEL

The data source of claims-based measures calculated at the medical group level is the health plan administrative claims database which is supplemented by medical record review for some measures. Most data elements are specified by the Healthcare Effectiveness Data and Information Set (HEDIS) 2009 Technical Specifications (2008 dates of service). HEDIS is produced and maintained by the National Committee for Quality Assurance (NCQA). The technical specifications provide detailed steps and instructions to ensure that the submitted data meets rigorous standards. Some data elements are specified by MNCM and provided to the health plans.

The data elements are collected by the health plans using data collection and reporting standards that follow the annual HEDIS calendar. In addition, each health plan follows an extensive validation process to ensure quality measures follow the standards described in Volume 5, HEDIS Compliance Audit ®: Standards, Policies and Procedures. All health plan data are audited by an NCQA-certified HEDIS auditor.

MNCM develops a Data Structure document with detailed steps and instructions to ensure that the submitted data meets rigorous standards. In 2009, ten data sources – 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 – submitted data to MNMCM for purposes of public reporting. The submitted health plan data reflects patients/members enrolled in the following products: commercial HMO/POS/PPO, Medicare Cost, Medicare Risk, and Minnesota Health Care Programs (Pre-paid 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.

All data files are submitted to MNMCM for aggregation and validation. These processes are performed by an independent vendor under contract with MNMCM. Files are carefully reviewed to ensure conformance with the data structure and to identify unusual or unanticipated patterns. The files are also checked for proper formatting, missing and invalid values, and to confirm accurate record counts. Preliminary health plan rates are calculated and returned to each health plan for additional validation.

Once these checks are finalized, the data files from all ten health plans are aggregated to create a comprehensive data file of results by medical group. The aggregated data file is then checked for accurate record counts, and preliminary MNMCM rates are calculated. The preliminary rates are carefully reviewed by MNMCM staff and the data aggregation vendor. Particular attention is paid to notable changes from previous years at the statewide and medical group levels.

In this report, MDH is assigning the medical group score to each physician clinic that is part of that medical group. Approximately 40 physician clinics report they are now part of another medical group; these physician clinics received the medical group's score of which they were a part during the measurement period.

METHODOLOGY

MEASURES REPORTED DIRECTLY BY PHYSICIAN CLINICS

Two measures are reported directly by physician clinics– Optimal Diabetes Care and Optimal Vascular Care. These measures are “all-or-none” composite measures, meaning that each component of the measure must be achieved for a clinic to receive credit for providing optimal care for a particular patient. Each year, these measure specifications are reviewed against current evidence-based guidelines and input is sought from community experts. The measure specifications are incorporated into Minnesota Rules Chapter 4654 and its technical appendices.

Physician clinics without specialties related to a given measure have a “not applicable” designation in the table of results.

Eligible Population Specifications

The eligible populations for these measures are identified by physician clinics. Standard definitions for the eligible population for each measure include elements such as age, appropriate diagnosis codes, and number of visits needed in the measurement timeframe. Each required element is outlined in Minnesota Rules Chapter 4654 and further specified in the 2010 DDS and SDS Guide.

Patient Attribution to Physician Clinics

Medical groups must attribute each patient to a single physician clinic. Each medical group's patient attribution method must be identified by the medical group using one of three possible methods and is then reviewed by MNMCM as part of the denominator certification process.

Sampling from Total Population

For this reporting cycle, physician clinics could either submit data on their full population or a random sample of at least 60 patients. The 2010 DDS and SDS Guides describe accepted methods to select a random sample. This step is reviewed by MNMCM as part of the denominator certification process.

Numerator Specifications

The numerator is the number of patients identified from either the eligible population or the random sample who meet the numerator targets. These targets are specified by the Minnesota Department of Health in Minnesota Rules Chapter 4654 and its technical appendices. MNMCM audits results of physician clinics using the DDS submission process.

Calculating Non-Risk Adjusted Rates

Physician clinic rates are calculated as 100 times the number who meet the numerator specifications divided by the number in the denominator for the measure. Rates from measures us-

ing the total eligible population are straightforward calculations whereby the total eligible population serves as the denominator. For clinics that sampled their populations, the rates calculated for the measures require weighting to account for the total eligible population. Due to the dynamic nature of clinic patient populations, rates and 95 percent asymmetrical confidence intervals are calculated for each measure for each clinic regardless of whether clinics report on a full population or a sample. Asymmetrical confidence intervals are used to avoid confidence interval lower-bound values less than zero and upper-bound values greater than one hundred. Physician clinic rates are reported as percentages. Physician clinic rates are first calculated for each clinic and then a statewide clinic rate average is calculated. The statewide average rate is used when comparing a single physician clinic to the performance of all physician clinics.

Risk Adjustment

Minnesota Statutes 62U.02 requires the Commissioner of Health to establish a system of risk-adjusting quality measures and to issue annual public reports on provider quality. The results in this report are published on a risk-adjusted basis in the main part of the document, while the technical appendices show both risk-adjusted and unadjusted results. Physician clinic results are adjusted by primary product type (commercial, Medicare, and MN health care programs/uninsured). Essentially, the risk-adjusted results assume that all physician clinics have the same distribution of patients between these three different categories and multiplies their actual result for each product type by the statewide distribution of patients by product type. The calculation of confidence intervals for risk adjusted rates uses a similar methodology as described above for the calculation of non-risk adjusted rates. However, a weighted average of the variance for the different payer categories is used in the confidence interval calculation.*

* Curtin, LR and RJ Klein. "Direct Standardization (Age-Adjusted Death Rates)." Centers for Disease Control and Prevention and National Center for Health Statistics. Healthy People 2000 Statistical Notes No. 6. 1995.

Example of Risk Adjustment Using Payer Mix

Example 1 UNADJUSTED RATE	COMMERCIAL	MN PUBLIC PROGRAMS	MEDICARE	TOTAL
CLINIC A				
# of patients	340	20	40	400
% distribution of patients	85.0%	5.0%	10.0%	100.0%
% meeting measure	65.0%	45.0%	55.0%	63.0%
CLINIC B				
# of patients	100	100	200	400
% distribution of patients	25.0%	25.0%	50.0%	100.0%
% meeting measure	65.0%	45.0%	55.0%	55.0%
STATEWIDE				
% distribution of patients	73.0%	12.0%	15.0%	100.0%
RISK ADJUSTED RATES TO STATEWIDE PAYER MIX				
Clinic A				61.1%
Clinic B				61.1%

Example 2 UNADJUSTED RATE	COMMERCIAL	MN PUBLIC PROGRAMS	MEDICARE	TOTAL
CLINIC A				
# of patients	320	30	50	400
% distribution of patients	80.0%	7.5%	12.5%	100.0%
% meeting measure	62.5%	20.0%	68.0%	60.0%
CLINIC B				
# of patients	120	200	80	400
% distribution of patients	30.0%	50.0%	20.0%	100.0%
% meeting measure	66.7%	50.0%	75.0%	60.0%
STATEWIDE				
% distribution of patients	73.0%	12.0%	15.0%	100.0%
RISK ADJUSTED RATES TO STATEWIDE PAYER MIX				
Clinic A				58.2%
Clinic B				65.9%

When a physician clinic has less than 10 patients in a payer category, the statewide rate is incorporated into the payer category rate in proportion to the number of patients under 10 in a payer category. For example, if a clinic has 6 Medicare patients, 60% of the Medicare rate for the clinic would be based on the clinic's data and 40% would be based on the statewide average for Medicare payers. This adjustment is made to address issues with small sample sizes.

Page 119 provides two examples of the risk adjustment methodology. In example one, Clinics A and B have a different patient payer mix, but their performance by product type is the same. Under risk adjustment, the overall performance for both clinics is the same as they had the same performance by product type. Without risk adjustment, Clinic A appears to perform better than Clinic B, but this is generally due to the fact that Clinic A has more commercial patients with higher performance and Clinic B has more Medicare and public program patients with lower performance. In the second example, Clinics A and B have the same unadjusted overall rate of performance, but their patient payer mix and performance by product type is different. When results for Clinics A and B are adjusted to reflect a statewide average distribution of patients by product type, the overall performance for Clinic A decreases and the overall performance for Clinic B increases. The unadjusted performance of individual clinics is adjusted to account for potential differences in patient populations which may be outside of the influence of a clinic. This product mix adjustment is done to make clinic results more comparable, regardless of patient characteristics.

Limitations

Although participation in the Minnesota Statewide Quality Reporting and Measurement System was required beginning in 2010, not all physician clinics submitted their results. Therefore, the results collected do not represent all physician clinics that serve patients in Minnesota. In addition, a physician clinic's results are publicly reported only if a minimum threshold of 30 patients is met. For this reason, MDH is not including results for 140 (or 24 percent) physician clinics reporting data on the optimal vascular measure or 47 (or eight

percent) physician clinics submitting data on the optimal diabetes care measure.

Physician Clinic Inclusion

A multistep approach was used to determine which physician clinics would be included in this report. The clinics listed in this document were required to submit data on the Optimal Diabetes Care and/or Optimal Vascular Care measures under Minnesota Rules Chapter 4654. Medical groups with HEDIS data who were not required to report on the diabetes or vascular measures are not included in this report. The following considerations were used to determine which physician clinics are included.

- In this first year of mandatory reporting, it was not uniformly understood among physician clinics that reporting is required at a site level. Physician clinics may only combine reporting across clinics when they meet certain criteria, including that various sites are commonly owned and share common clinical staff across their various sites. MDH recognizes that was a change from how some physician clinics previously reported on a voluntary basis and that new physician clinics may not have understood that results for a satellite clinic may not be combined with results from a main clinic. Recognizing this is a transition year for physician clinic reporting, MDH is publishing the results as they were reported at an aggregated level rather than noting that results were not submitted specifically for a satellite clinic location. In future years, MDH will call greater attention to this issue in the report.
- In May 2010, MDH mailed letters to known physician clinics in the state who had not registered with MNCM. Those clinics which did not register and submit data and were determined to have relevant specialists are included in the report. The same assumption regarding satellite clinics was used when reviewing these clinics. Those clinics that were part of a medical group which did submit data are not included separately from their medical group in this report.

- Physician clinics which registered with MNMCM, but did not submit measure data for diabetes and vascular care were compared with the specialty information submitted by the clinic during the registration process. If the specialties onsite were appropriate for measure reporting, the clinic is included in this report. If the specialties onsite were not appropriate for measure reporting, the clinic is not included in this report.

CLAIMS-BASED MEASURES CALCULATED AT THE MEDICAL GROUP LEVEL

Two types of measures are calculated at the medical group level and reported for each affiliated physician clinic – measures that use an administrative data only method and measures that use a hybrid method. The following measures use 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
- Avoidance of Antibiotic Treatment of Adults with Bronchitis

The following measures used the hybrid method:

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

Each year, these measure specifications are reviewed against current evidence-based guidelines and input is sought from community experts at the national level. Measurement specifications for medical group results were calculated using NCOA's 2009 HEDIS Technical Specifications along with MNMCM-specific numerator specifications for some measures.

Physician clinics without specialties related to a given measure have a “not applicable” designation in the table of results.

Eligible Population Specifications

The eligible populations for the administrative and hybrid measures are identified by each participating health plan utilizing its respective administrative databases. NCOA's 2009 HEDIS Technical Specifications provide the standard definitions for the eligible population for each measure, which include data elements such as age, continuous enrollment, and anchor date requirements.

Rates for measures using the administrative method are wholly derived from health plan claims data, while rates for measures using the hybrid method are derived from a combination of health plan claims data and medical record review data. For administrative measures, the entire eligible population is the denominator. For hybrid measures, the eligible population serves as the sampling frame from which to draw the denominator.

Patient Attribution to Medical Groups

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

Sampling for Hybrid Measures

As noted previously, the hybrid method requires each participating health plan to first identify the eligible population meeting measurement specifications using its administrative databases. This population of eligibles serves 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 is conducted for all enrollees drawn for the sample.

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

Numerator Specifications

For administrative measures, the numerator is the number of patients from the eligible population who meet numerator targets. For hybrid measures, the numerator is the number of patients from the sample who meet numerator targets.

Weighting

Because data for hybrid measures are taken from a sample, results are weighted to obtain accurate rates. This allows for aggregation and unbiased reporting by medical group. Weighting is a cost-saving measure that enables MNMCM 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 are calculated for each sampling stratum (i.e. health plan/health plan product/medical group). A weight is equal to the total eligible population for that stratum divided by the total sample size. In calculating rates for a population – medical group or statewide – the denominator is the sum of the weights for all patients in that population, and the numerator is the sum of the weights for patients in the population who meet the numerator targets.

Calculating Non-Risk Adjusted Rates

Rates are expressed as percentages. They are calculated as 100 times the number who meet the numerator targets divided by the number who are eligible for the measure. Rates calculated for measures using the administrative method are straightforward. However, rates calculated for measures using the hybrid method require weighting because of the sampling procedures. Rates and 95-percent-asymmetrical confidence intervals are calculated for each measure for each medical group. Asymmetrical confidence intervals are used to avoid confidence interval lower-bound values less than zero and upper bound values greater than one hundred. Confidence intervals for the hybrid measures have also been calculated to take account of the complex sampling design and weighting using SAS survey.

Rates

Rates are 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 are 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 includes patients who access care more frequently.

Risk Adjustment

Results for measures calculated at the medical group level are also risk adjusted by primary payer type. Similar to results for the optimal diabetes care and optimal vascular care measures, the risk-adjusted results assume that all medical groups have the same distribution of patients by primary payer type (commercial, Medicare, and MN health care programs/uninsured) and multiplies their actual result for each product type by the statewide distribution of patients by product type. The calculation of confidence intervals for risk adjusted rates uses a similar methodology as described above for the calculation of non-risk adjusted rates. However, a weighted average of the variance for the different payer categories is used in the confidence interval calculation.*

Similar to optimal diabetes and optimal vascular care, when a medical group has less than 10 patients in a payer category, the statewide rate is incorporated into the payer category rate in proportion to the number of patients under 10 in a payer category. For example, if a medical group has 6 Medicare patients, 60% of the Medicare rate for the medical group would be based on the medical group's data and 40% would be based on the statewide average for Medicare payers. This adjustment is made to address issues with small sample sizes. Not all measures in these categories apply to each primary product type; the risk adjustment methodology accounts for these variations across measures.

Limitations

The physician clinics identified in this report do not represent all medical groups in Minnesota. MDH is aligning with MNMCM's established minimum thresholds for public reporting. Only medical groups that meet these thresholds are reported. For the hybrid measures, a minimum threshold of 60 patients per medical group is required. For the administrative measures, a minimum thresh-

old of 30 patients per medical group is required. It should also be noted that medical groups reported for some measures may not be reported for all measures.

Also, data used to calculate rates for these measures reflect patients insured through ten health plans. Medical groups with patients who are insured through other health plans, who are uninsured, who self pay, or who are served by a fee-for-service program are not reflected in these results. Therefore, the data for these measures don't necessarily represent a medical group's entire patient population.

Finally, while MDH is reporting these medical group level results at the clinic level, readers should be aware that these results reflect the performance of the entire medical group with which the clinic is affiliated rather than only that clinic's performance. MDH chose to report these results at the clinic level in order to present information in a more consumer-friendly manner.

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.

* Curtin, LR and RJ Klein. "Direct Standardization (Age-Adjusted Death Rates)." Centers for Disease Control and Prevention and National Center for Health Statistics. Healthy People 2000 Statistical Notes No. 6. 1995.



Appendix 2: Hospital Measures

GUIDE TO UNDERSTANDING THE DETAILED MEASURE RESULT DATA	125
QUALITY OF CARE FOR HEART CONDITIONS MEASURE RESULT DATA	127
QUALITY OF CARE FOR HEART SURGERIES MEASURE RESULT DATA	129
QUALITY OF CARE FOR OTHER SURGERIES MEASURE RESULT DATA	131
QUALITY OF CARE FOR MEDICAL COMPLICATIONS MEASURE RESULT DATA ...	135
QUALITY OF INFECTION PREVENTION MEASURE RESULT DATA	137
QUALITY OF CARE FOR OTHER CONDITIONS MEASURE RESULT DATA	139
METHODS	143

The following section provides more information about the measures outlined in this report. Additional data elements are included in the following detailed tables. These elements vary depending on the measure and the data source. The methods section provides more information on the data source and calculation for the various measures.

GUIDE TO UNDERSTANDING THE DETAILED MEASURE RESULT DATA

HOSPITAL COMPARE AND APPROPRIATE CARE MEASURES

Rate:

Reports the percentage calculated when the numerator is divided by the denominator. The denominator is the sum of all the eligible cases submitted. The numerator is the sum of all eligible cases submitted where recommended care was provided.

Sample Size:

Reports the number of patients meeting the criteria for inclusion in the measure and for whom data was submitted. This column is the denominator number used to calculate the rate.

AGENCY FOR HEALTHCARE RESEARCH AND QUALITY (AHRO) MEASURES

Number of Operations:

Reports the total number of measure specified surgeries performed at the hospital (for example, the total volume of heart bypass surgeries).

Numerator:

Reports the sum of all eligible cases meeting the targets for the procedure or complication in the measure (for example, the number of patients with bed sores).

Sample Size:

Reports the number of patients meeting the criteria for inclusion in the measure and for whom data was submitted. This column is the denominator number used to calculate the rate.

Observed Rate:

Reports the value when the numerator is divided by the denominator prior to any risk adjustment.

Expected Rate:

Reports the rate expected from the hospital based on the performance of other similar hospitals around the country. This calculation takes severity of patient illness into account.

When Compared to Expected Rate:

Reports whether the results were significantly different from the hospital's expected performance, compared to other similar hospitals around the country. This is calculated by comparing the confidence interval of the risk adjusted rate (see below) with the expected rate. NOTE: The Observed Tearing Vaginal Delivery with or without Medical Instruments (PSI 18 and PSI 19) measures are not risk adjusted; therefore, the value of the confidence interval of the observed rate is compared with the expected rate. The expected rate is considered significantly different when it is higher or lower than the confidence interval range. If it is within the confidence interval range, the expected rate is not considered significantly different from the risk adjusted rate. In this case, the hospital's performance is considered average or the SAME as expected. If the expected rate is higher, the hospital is performing BETTER than expected. If the expected rate is lower, the hospital is performing WORSE than expected.

Risk Adjusted Rate:

Reports the hospital's performance rate when adjusted to an average case-mix. This case-mix takes the severity of patient illness into account.

Confidence Interval of Risk Adjusted Rate:

Reports the margin of error for the risk adjusted rate. Confidence intervals are a range of values which demonstrate the degree of certainty associated with the estimated rate. This range takes into account potential variance in the rate if different patients were included in the sample.

HEALTHCARE-ASSOCIATED INFECTION MEASURES

Central Line Infection Prevention and Ventilator Associated Pneumonia Measures

Rate:

Reports the percentage calculated when the numerator is divided by the denominator. The denominator is the sum of all the eligible cases submitted. The numerator is the sum of all eligible cases submitted where recommended care was provided.

Sample Size:

Reports the number of patients meeting the criteria for inclusion in the measure and for whom data was submitted. This column is the denominator number used to calculate the rate.

Vaginal Hysterectomy Surgical Site Infection Measure Risk Level 0 and Risk Level 1,2,3

Numerator:

Reports the sum of surgical site infections for each risk level category (i.e. Risk Level 0 or Risk Level 1,2,3).

Sample Size:

Reports the number of patients meeting the criteria for inclusion in the measure and for whom data was submitted. This column is the denominator number used to calculate the rate.

Infection Rate:

Reports the value when the numerator is divided by the denominator prior to any risk adjustment.

Risk Level Combined 0,1,2,3

Numerator:

Reports the sum of vaginal hysterectomy surgical site infections for all risk levels.

Sample Size:

Reports the number of patients meeting the criteria for inclusion in the measure and for whom data was submitted. This column is the denominator number used to calculate the rate.

Infection Rate:

Reports the percentage when the numerator is divided by the denominator prior to any risk-adjustment.

Confidence Interval of Combined Rate:

Reports the margin of error for the risk adjusted rate. Confidence intervals are a range of values which demonstrate the degree of certainty associated with the estimated rate. This range takes into account potential variance in the rate if different patients were included in the sample.

Expected Rate:

Reports the rate of the hospital when compared to the state average. This rate is adjusted for patient severity of illness and takes both risk categories into account.

When Compared to Expected Rate:

Reports whether the results were significantly different from the hospital's expected performance, compared to other Minnesota hospitals. This is calculated by comparing the confidence interval of the combined rate with the expected rate. The difference between the expected rate and the infection rate are considered significant when the expected rate is higher or lower than the confidence interval range. If the expected rate is within the confidence interval of the combined rate, it is not significantly different from the infection rate. In this case the hospital's performance is considered average or the SAME as expected. If the expected rate is higher, the hospital is performing BETTER than expected. If the expected rate is lower, the hospital is performing WORSE than expected.

Quality of Care for Heart Conditions

See page 125 for an explanation of terms.

HOSPITAL NAME	Heart Attack												Heart Failure															
	The Right Care for Heart Attack Patients (AMI-ACM)		Aspirin Given When Patients Arrived at the Hospital (AMI-1)		Aspirin Given When Patients were Released from the Hospital (AMI-2)		Patients Given ACE Inhibitor or ARB Prescription for Left Ventricular Systolic Dysfunction (LVSD) When Released from the Hospital (AMI-3)		Patients Given Advice or Counseling About Quitting Smoking While in the Hospital (AMI-4)		Patients Given Beta Blocker Prescription When Released from the Hospital (AMI-5)		Patients Given Fibrinolytic Medication Within 30 Minutes of Hospital Arrival (AMI-7a)		Patients Given PCI Within 90 Minutes of Hospital Arrival (AMI-8a)		The Right Care for Heart Failure Patients (HF-ACM)		Patients Given Instructions When Released from the Hospital (HF-1)		Patients Given Evaluation of Left Ventricular Systolic (LVS) Function While in the Hospital or Scheduled for After the Patient was Released (HF-2)		Patients Given ACE Inhibitor or ARB Prescription for Left Ventricular Systolic Dysfunction (LVSD) When Released from the Hospital (HF-3)		Patients Given Advice or Counseling About Quitting Smoking While in the Hospital (HF-4)			
	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE
Overall Minnesota Average	97%		95%		93%		94%		90%		90%	*	94%		83%		70%		83%		86%		83%					
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	82%	83	73%	45	94%	83	*	*	*	*	*	*	*	*
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Glacial Ridge Hospital - Glenwood	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	75%	28	*	*	*	*	*	*	*	*
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	94%	33	100%	31	*	*	*	*	*	*	*	*	*	*	81%	111	75%	69	95%	111	100%	34	*	*	*	*	*	*
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*	*	*	*	*	*	*	*	*	*	*	85%	39	93%	27	95%	38	*	*	*	*	*	*	*	*
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	47%	43	*	*	70%	43	*	*	*	*	*	*	*	*

* Sufficient data not available.

Quality of Care for Heart Conditions

See page 125 for an explanation of terms.

HOSPITAL NAME	Heart Attack												Heart Failure													
	The Right Care for Heart Attack Patients (AMI-ACM)		Aspirin Given When Patients Arrived at the Hospital (AMI-1)		Aspirin Given When Patients were Released from the Hospital (AMI-2)		Patients Given ACE Inhibitor or ARB Prescription for Left Ventricular Systolic Dysfunction (LVSD) When Released from the Hospital (AMI-3)		Patients Given Advice or Counseling About Quitting Smoking While in the Hospital (AMI-4)		Patients Given Beta Blocker Prescription When Released from the Hospital (AMI-5)		Patients Given Fibrinolytic Medication Within 30 Minutes of Hospital Arrival (AMI-7a)		Patients Given PCI Within 90 Minutes of Hospital Arrival (AMI-8a)		The Right Care for Heart Failure Patients (HF-ACM)		Patients Given Instructions When Released from the Hospital (HF-1)		Patients Given Evaluation of Left Ventricular Systolic (LVS) Function While in the Hospital or Scheduled for After the Patient was Released (HF-2)		Patients Given ACE Inhibitor or ARB Prescription for Left Ventricular Systolic Dysfunction (LVSD) When Released from the Hospital (HF-3)		Patients Given Advice or Counseling About Quitting Smoking While in the Hospital (HF-4)	
	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE
Overall Minnesota Average	97%		95%		93%		94%		90%		90%	*	94%		83%		70%		83%		86%		83%			
North Country Regional Hospital - Bemidji	*	*	*	*	*	*	*	*	*	*	*	*	*	*	81%	113	81%	84	99%	113	90%	30	*	*	*	*
North Valley Health Center - Warren	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Riverview Hospital - Crookston	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35%	40	*	*	78%	40	*	*	*	*	*	*
St Francis Medical Center - Breckenridge	*	*	*	*	*	*	*	*	*	*	*	*	*	*	88%	50	85%	39	93%	41	*	*	*	*	*	*
St Joseph's Area Health Services - Park Rapids	*	*	*	*	*	*	*	*	*	*	*	*	*	*	84%	32	88%	25	94%	32	*	*	*	*	*	*
St Mary's Regional Health Center - Detroit Lakes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	92%	36	*	*	94%	36	*	*	*	*	*	*
Stevens Community Medical Center - Morris	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wheaton Community Hospital	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* Sufficient data not available.

Quality of Care for Heart Surgeries

See page 125 for an explanation of terms.

HOSPITAL NAME	Heart Bypass Surgery								Angioplasty Heart Surgery							
	IQI-5	IQI-12							IQI-6	IQI-30						
	Number of Operations	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Number of Operations	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Glacial Ridge Hospital - Glenwood	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
North Country Regional Hospital - Bemidji	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
North Valley Health Center - Warren	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Riverview Hospital - Crookston	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* Sufficient data not available or procedure is not performed at hospital.

Quality of Care for Other Surgeries

See page 125 & 126 for an explanation of terms.

HOSPITAL NAME	Surgical Repair of an Abdominal Aortic Aneurysm								Vaginal Hysterectomy Surgical Site Infection											
	IQI-4	IQI-11							RISK LEVEL 0			RISK LEVEL 1, 2, 3			COMBINED RISK LEVEL 0, 1, 2, 3					
	Number of Operations	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Numerator	Sample Size	Infection Rate	Numerator	Sample Size	Infection Rate	Numerator	Sample Size	Infection Rate	Confidence Interval	Expected Rate	When Compared to Expected Rate
Overall Minnesota Average											0.99%			1.65%						
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	*	*	*	*	*	*	*	*	1	64	1.56%	0	10	0.00%	1	74	1.35%	0.03%-7.53%	1.08%	SAME
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Glacial Ridge Hospital - Glenwood	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	*	*	*	*	*	*	*	*	0	10	0.00%	0	45	0.00%	0	55	0.00%	0.00%-6.71%	1.53%	SAME
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
North Country Regional Hospital - Bemidji	*	*	*	*	*	*	*	*	1	65	1.54%	0	2	0.00%	1	67	1.49%	0.04%-8.32%	1.01%	SAME
North Valley Health Center - Warren	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* Sufficient data not available or procedure is not performed at hospital.

Quality of Care for Other Surgeries

See page 125 for an explanation of terms.

HOSPITAL NAME	Preventing Blood Clots After Certain Types of Surgeries			
	Surgery Patients Whose Doctors Ordered Treatment to Prevent Blood Clots After Certain Types of Surgeries (SCIP-VTE1)		Surgery Patients Who Received Treatment at the Right Time to Prevent Blood Clots After Certain Types of Surgery (SCIP-VTE2)	
	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE
Overall Minnesota Average	87%		86%	
Bridges Medical Services - Ada	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*
Douglas County Hospital - Alexandria	96%	153	95%	153
ELEAH Medical Center - Elbow Lake	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*
Glacial Ridge Hospital - Glenwood	*	*	*	*
Kittson Memorial Hospital - Hallock	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	92%	76	82%	76
LakeWood Health Center - Baudette	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*
Mahnomen Health Center	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*
North Country Regional Hospital - Bemidji	90%	220	88%	219
North Valley Health Center - Warren	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*

* Sufficient data not available.

Quality of Care for Other Surgeries

See page 125 for an explanation of terms.

Preventing Blood Clots After Certain Types of Surgeries

Surgery Patients Whose Doctors Ordered Treatment to Prevent Blood Clots After Certain Types of Surgeries (SCIP-VTE1)

Surgery Patients Who Received Treatment at the Right Time to Prevent Blood Clots After Certain Types of Surgery (SCIP-VTE2)

HOSPITAL NAME	Surgery Patients Whose Doctors Ordered Treatment to Prevent Blood Clots After Certain Types of Surgeries (SCIP-VTE1)		Surgery Patients Who Received Treatment at the Right Time to Prevent Blood Clots After Certain Types of Surgery (SCIP-VTE2)	
	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE
Overall Minnesota Average	87%		86%	
Riverview Hospital - Crookston	*	*	*	*
St Francis Medical Center - Breckenridge	*	*	*	*
St Joseph's Area Health Services - Park Rapids	92%	40	92%	40
St Mary's Regional Health Center - Detroit Lakes	75%	53	66%	53
Stevens Community Medical Center - Morris	*	*	*	*
Wheaton Community Hospital	*	*	*	*

* Sufficient data not available.

Quality of Care for Medical Complications

See page 125 for an explanation of terms.

HOSPITAL NAME

HOSPITAL NAME	Deaths from Failure to Identify and Treat a Serious Complication							Patients with Bed Sores							Blood Clots in Lung or Large Vein After an Operation						
	PSI-4							PSI-3							PSI-12						
	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	0	49	0.00%	1.70%	SAME	0.00%	0.00-3.98%	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	3	32	9.38%	10.64%	SAME	11.11%	0.00-23.53%	3	775	0.39%	1.89%	BETTER	0.36%	0.00-1.31%	2	1536	0.13%	1.00%	BETTER	0.13%	0.00-0.64%
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	0	57	0.00%	1.76%	SAME	0.00%	0.00-3.64%	*	*	*	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*	*	*	*	0	61	0.00%	1.82%	SAME	0.00%	0.00-3.44%	0	49	0.00%	0.99%	SAME	0.00%	0.00-2.85%
Glacial Ridge Hospital - Glenwood	*	*	*	*	*	*	*	0	93	0.00%	1.76%	SAME	0.00%	0.00-2.85%	0	52	0.00%	1.01%	SAME	0.00%	0.00-2.75%
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	*	*	*	*	*	*	*	0	836	0.00%	1.82%	BETTER	0.00%	0.00-0.93%	2	613	0.33%	1.00%	SAME	0.33%	0.00-1.13%
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	0	52	0.00%	1.80%	SAME	0.00%	0.00-3.78%	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*	*	*	*	2	163	1.23%	1.72%	SAME	1.29%	0.00-3.46%	0	38	0.00%	0.89%	SAME	0.00%	0.00-3.42%
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*	*	*	*	2	320	0.63%	1.73%	SAME	0.60%	0.00-2.14%	3	223	1.35%	0.99%	SAME	1.37%	0.03-2.70%
North Country Regional Hospital - Bemidji	3	34	8.82%	8.71%	SAME	12.79%	0.00-26.22%	1	1152	0.09%	1.79%	BETTER	0.09%	0.00-0.88%	7	1248	0.56%	1.00%	SAME	0.57%	0.01-1.13%
North Valley Health Center - Warren	*	*	*	*	*	*	*	1	36	2.78%	1.70%	SAME	2.97%	0.00-7.63%	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*	*	*	*	0	115	0.00%	1.73%	SAME	0.00%	0.00-2.57%	0	92	0.00%	0.99%	SAME	0.00%	0.00-2.08%
Riverview Hospital - Crookston	*	*	*	*	*	*	*	3	200	1.50%	1.82%	SAME	1.50%	0.00-3.40%	3	225	1.33%	0.99%	SAME	1.36%	0.02-2.69%

* Sufficient data not available.

Quality of Infection Prevention

See page 125 & 126 for an explanation of terms.

HOSPITAL NAME

HOSPITAL NAME	Infection Prevention															
	Central Line Infection (CLI) Prevention		Ventilator Associated Pneumonia (VAP) Prevention		Surgery Patients Given an Antibiotic Within an Hour Before Surgery to Help Prevent Infection (SCIP-INF-1)		Surgery Patients Given the Best Antibiotic to Help Prevent Infection (SCIP-INF-2)		Surgery Patients Whose Preventive Antibiotics Were Stopped at the Right Time (SCIP-INF-3)		All Heart Surgery Patients Whose Blood Sugar is Kept Under Good Control Right After Surgery (SCIP-INF-4)		Surgery Patients Needing Hair Removed Before Surgery Using a Safer Method (SCIP-INF-6)		Surgery Patients on Beta-Blocker Therapy Prior to Arrival Who Received a Beta-Blocker During the Perioperative Period (SCIP-CARD-2)	
	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE
Overall Minnesota Average	87%		96%		86%		94%		94%		87%		96%		87%	
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	*	*	99%	209	95%	374	98%	371	98%	358	*	*	100%	494	91%	111
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Glacial Ridge Hospital - Glenwood	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	*	*	*	*	88%	157	97%	157	93%	152	*	*	100%	215	87%	46
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
North Country Regional Hospital - Bemidji	100%	45	100%	57	96%	468	97%	470	97%	461	*	*	100%	594	87%	117
North Valley Health Center - Warren	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* Sufficient data not available.

Quality of Care for Other Conditions

See page 125 for an explanation of terms.

HOSPITAL NAME	Pneumonia Care													
	The Best Care for Pneumonia Patients (PN-ACW)		Patients Assessed and Given Pneumonia Vaccination (PN-2)		Blood Test Given to Patient Prior to Receiving Antibiotics (PN-3b)		Patients Given Advice or Counseling About Quitting Smoking While in the Hospital (PN-4)		Patients Given Initial Antibiotic(s) Within 6 Hours After Getting to the Hospital (PN-5c)		Patients Given the Most Appropriate Initial Antibiotic(s) (PN-6)		Patients Assessed and Given Influenza Vaccination (PN-7)	
	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE	RATE	SAMPLE SIZE
Overall Minnesota Average	85%		83%		91%		84%		93%		87%		83%	
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	91%	219	97%	151	91%	77	100%	44	95%	141	88%	78	100%	93
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	*	*	*	*	*	*	*
First Care Medical Services - Fosston	100%	31	100%	25	*	*	*	*	100%	25	*	*	*	*
Glacial Ridge Hospital - Glenwood	*	*	9%	32	*	*	*	*	*	*	*	*	*	*
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	89%	131	99%	93	93%	73	92%	26	96%	97	92%	65	92%	62
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	90%	52	100%	40	*	*	*	*	92%	40	94%	32	96%	25
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	47%	64	41%	44	*	*	*	*	91%	55	*	*	37%	30
North Country Regional Hospital - Bemidji	86%	193	96%	118	93%	138	94%	52	97%	138	89%	90	97%	90
North Valley Health Center - Warren	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	75%	60	84%	45	*	*	*	*	93%	45	74%	27	*	*

* Sufficient data not available.

Quality of Care for Other Conditions

See page 125 for an explanation of terms.

HOSPITAL NAME	Death Rate for Patients with a Broken Hip							Obstetric Tearing Vaginal Delivery WITH Medical Instruments						Obstetric Tearing Vaginal Delivery WITHOUT Medical Instruments					
	IQI-19							PSI-18						PSI-19					
	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Risk Adjusted Rate	Confidence Interval of Risk Adjusted Rate	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Confidence Interval of Observed Rate	Numerator	Sample Size	Observed Rate	Expected Rate	When Compared to Expected Rate	Confidence Interval of Observed Rate
Bridges Medical Services - Ada	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Clearwater Health Services - Bagley	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Douglas County Hospital - Alexandria	2	121	2.00%	2.80%	SAME	1.70%	0.00-4.70%	2	25	8.00%	14.22%	SAME	0.00-18.63%	10	460	2.17%	2.44%	SAME	0.84-3.51%
ELEAH Medical Center - Elbow Lake	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
First Care Medical Services - Fosston	*	*	*	*	*	*	*	*	*	*	*	*	*	0	46	0.00%	2.44%	BETTER	0.00-0.00%
Glacial Ridge Hospital - Glenwood	*	*	*	*	*	*	*	*	*	*	*	*	*	1	25	4.00%	2.44%	SAME	0.00-11.68%
Kittson Memorial Hospital - Hallock	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lake Region Healthcare Corporation - Fergus Falls	0	60	0.00%	2.80%	SAME	0.00%	0.00-4.30%	8	60	13.33%	14.22%	SAME	4.73-21.93%	7	173	4.05%	2.44%	SAME	1.11-6.98%
LakeWood Health Center - Baudette	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lifecare Medical Center - Roseau	*	*	*	*	*	*	*	*	*	*	*	*	*	2	98	2.04%	2.44%	SAME	0.00-4.84%
Mahnomen Health Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MeritCare Thief River Falls Northwest Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	7	142	4.93%	2.44%	SAME	1.37-8.49%
North Country Regional Hospital - Bemidji	1	71	1.00%	3.50%	SAME	1.20%	0.00-4.70%	15	83	18.07%	14.22%	SAME	9.79-26.35%	17	581	2.93%	2.44%	SAME	1.56-4.30%
North Valley Health Center - Warren	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perham Memorial Hospital and Home	*	*	*	*	*	*	*	*	*	*	*	*	*	3	57	5.26%	2.44%	SAME	0.00-11.06%
Riverview Hospital - Crookston	*	*	*	*	*	*	*	*	*	*	*	*	*	0	78	0.00%	2.44%	BETTER	0.00-0.00%

* Sufficient data not available.

CMS HOSPITAL COMPARE MEASURES

Data Source and Data Collection Procedures

The Minnesota Statewide Quality Reporting and Measurement System began requiring all Minnesota hospitals to submit data on CMS “Process of Care” measures for which they had relevant patients in January 2010. Data reported here are related to earlier reporting cycles from hospitals that submitted their data to the Centers for Medicare and Medicaid Services. Data is included in this report for the following measures:

- Seven process of care measures related to heart attack care
- Four process of care measures related to heart failure care
- Six process of care measures related to pneumonia
- Eight process of care measures related to the surgical care improvement project

Data for all of these measures is for care provided from October 1, 2008 to September 30, 2009.

The information included in this report comes from the quality data submitted by hospitals to the Quality Improvement Organizations’ (QIO) Clinical Data Warehouse for all inpatient discharges. Except where noted, the data reflect twelve months of experience and is updated on a rolling basis. The data collection approach is primarily retrospective. Data sources for required data elements include administrative data and medical record documents. Some hospitals may prefer to gather data concurrently by identifying patients in the population of interest. This approach provides opportunities for improvement at the point of care/service. However, complete documentation includes the principal and other ICD-9-CM diagnosis and procedure codes, which require retrospective data entry.

The CMS Abstraction and Reporting Tool (CART) is a medical record data abstraction tool. Hospitals may use the CART to transmit abstracted data directly into the QIO Clinical Data Warehouse through www.QualityNet.org (a HIPAA-compliant, secure data transmission

vehicle) or they may instruct a vendor to submit the data on their behalf using QNET. CART may also be used to transmit data directly to an ORYX vendor from a current Joint Commission-accredited hospital. The vendors transmit the data to the QIO Clinical Warehouse, if the hospital has authorized them to do so, on their behalf. Under The Joint Commission program, organizations that wish to be certified as ORYX vendors must pass certain tests that verify their capacity to correctly handle hospital data and calculate performance rates using the prescribed algorithms.

Both ORYX Vendors and CART data submissions include auditing procedures and edit checks, which assess whether data submitted is consistent with defined parameters for sample size, outliers, and missing data. The data for this publication has been audited/edited, but not validated.

Sampling

Whether or not a hospital uses sampling is determined by rules established by The Joint Commission and CMS. The same sampling methodology is used by hospitals for both their non-Medicare cases and Medicare cases and is based on the number of discharges per topic each quarter. More detailed information is available at www.QualityNet.org.

Calculating Rates

Each rate calculation is based on the hospital’s relevant discharges. Only patients meeting certain criteria for a measure are included in the calculation of the rate for a measure. The performance rate for individual hospitals is calculated by dividing the numerator by the denominator. The denominator is the sum of all eligible cases (as defined in the measure specifications) submitted to the QIO Clinical Data Warehouse for the reporting period. The numerator is the sum of all eligible cases submitted for the same reporting period where the recommended care was provided. The same data is used for individual hospital and state rate calculations.

A two-step process was used to calculate the state comparison group rates. The state comparison rate for each measure was calculated using all of the data submitted to the QIO Clinical Data Warehouse for hospitals with at least one case that met the measure's inclusion criteria (that is, for which the denominator was greater than zero).

First, the individual hospital performance rates were calculated using the method described above for all hospitals. Next, hospitals with "0 patients" were excluded from the calculation. For the state averages, a simple average was constructed where the numerator was the sum of all non-excluded hospitals' scores and the denominator was the total number of hospitals, each calculated at the individual state level. The state average is calculated before excluding rates that are suppressed on the CMS Hospital Compare website.

Limitations

In order to align with accepted national standards for public reporting with respect to the number of patients required for reliable public reporting, results are only included on those measures for hospitals with 25 or more cases. Because many hospitals have fewer than 25 cases in a reporting period, results are not included for a considerable number of hospitals on some measures.

Risk Adjustment

The results for these measures are not risk adjusted because the measures relate to whether or not a patient received appropriate treatment rather than whether a particular outcome was achieved. Risk adjustment is performed for other measures for which patient characteristics influence a provider's results.

Appropriate Care Measures

The appropriate care measures utilize CMS measure data at the individual patient level for heart attack, heart failure and pneumonia care. With CMS permission, Stratis Health calculates these measures through an agreement with the hospital. The hospital grants Stratis

Health access to utilize the hospital's data in the QIO Clinical Data Warehouse for the calculation of these three composite measures. Stratis Health must access the following CMS process of care measure data at the individual patient level:

- Seven related to heart attack care
- Four related to heart failure care
- Six related to pneumonia care

Data for the measures is for care provided from October 1, 2008 to September 30, 2009.

These measures are pass/fail measures at the individual patient level. The measures evaluate whether the patient received all of the appropriate treatments (as defined by the measure specifications). A patient is included if eligible (i.e. meets denominator criteria) for at least one of the measures in a topic (heart attack, heart failure or pneumonia). To be considered as having appropriate care, a patient must meet numerator criteria for each measure in which the patient meets the denominator criteria. The measure calculation accounts for the fact that some treatments may not be appropriate for all patients. (For example, if the patient does not smoke, the "Patients given advice or counseling about quitting smoking while in the hospital (AMI-4)" is not applicable and the hospital will automatically be given credit for meeting this part of the measure.)

Each rate calculation is based on the hospitals' relevant discharges. The numerator is the sum of all eligible cases where the recommended care was provided. The denominator is the sum of all eligible cases (as defined in the measure specifications) submitted to the QIO Clinical Data Warehouse for the reporting period. The performance rate for individual hospitals is calculated by dividing the numerator by the denominator. The same data is used for individual hospital and state rate calculations.

AGENCY FOR HEALTHCARE RESEARCH AND QUALITY MEASURES

Data Source and Data Collection Procedures

The Minnesota Statewide Quality Reporting and Measurement System began requiring all Minnesota hospitals to submit data on certain AHRQ measures for which they had relevant patients in January 2010. Virtually all Minnesota hospitals submit discharge data to the Minnesota Hospital Association. The AHRQ measures are calculated using this discharge data. Data is included in this report for care provided from October 1, 2008 to September 30, 2009 for the following measures:

- Seven Inpatient Quality Indicators
 - Abdominal aortic aneurysm repair volume (IQI 4)
 - Abdominal aortic aneurysm mortality rate (IQI 11)
 - Coronary artery bypass graft volume (IQI 5)
 - Coronary artery bypass graft mortality rate (IQI 12)
 - Percutaneous transluminal coronary angioplasty volume (IQI 6)
 - Percutaneous transluminal coronary angioplasty mortality rate (IQI 30)
 - Hip fracture mortality rate (IQI 19)
- Five Patient Safety Indicators
 - Pressure ulcer (PSI 3)
 - Death among surgical inpatients with serious treatable complications (PSI 4)
 - Postoperative pulmonary embolism (PSI 12)
 - Obstetric trauma – vaginal delivery with instrument (PSI 18)
 - Obstetric trauma – vaginal delivery without instrument (PSI 19)

The Inpatient Quality Indicators (IQIs) and Patient Safety Indicators (PSIs) are sets of measures that provide a perspective on hospital quality of care using hospital administrative data.

- The IQIs reflect quality of care inside hospitals and include inpatient mortality for certain procedures and medical conditions; utilization of procedures for which there are questions of overuse, underuse, and misuse; and volume of procedures for which there is some evidence that a higher volume of procedures is associated with lower mortality.
- The PSIs are a set of indicators providing information on potential in-hospital complications and adverse events following surgeries, procedures, and child birth. The PSIs were developed after a comprehensive literature review, analysis of ICD-9-CM codes, review by a clinician panel, implementation of risk adjustment on applicable measures and empirical analyses.

The IQIs and PSIs are software tools distributed free by the Agency for Healthcare Research and Quality (AHRQ). The software can be used to help hospitals identify potential problem areas that might need further study and which can provide an indirect measure of in-hospital quality of care. The IQI software programs can be applied to any hospital inpatient administrative data. These data are readily available and relatively inexpensive to use.

The IQIs and PSIs are respectively the second and third in the set of AHRQ Quality Indicators (QIs) developed by investigators at Stanford University and the University of California, under a contract with AHRQ. The software may be downloaded from www.qualityindicators.ahrq.gov.

Risk Adjustment

The AHRQ software adjusts provider results based on each individual patient's severity of illness. PSI 18 and PSI 19 are the only applicable AHRQ measures in this report which are not risk adjusted because there are not materially important risk factors available in the state inpatient discharge data.

Limitations

In order to align with accepted national standards for public reporting with respect to the number of patients required for reliable public reporting, results are only included for those hospitals with 25 or more cases for each measure. Because many hospitals have fewer than 25 cases in a reporting period, results are not included for a considerable number of hospitals on some measures.

NQF HEALTHCARE ASSOCIATED INFECTION MEASURES

Data Source and Data Collection Procedures

Minnesota Statutes 62J.82 requires hospitals to report on selected healthcare acquired infection measures. The Minnesota Hospital Association (MHA) and Stratis Health, in collaboration with infection control practitioners, collect and report hospital-specific performance of the hospital-acquired infection measures published by the National Quality Forum (NQF). The selected measures were first published on the MN Hospital Quality Report (www.mnhospitalquality.org) in October 2009. Data included in this report is for care provided from April 1, 2009 to March 31, 2010 for the following measures:

- Central line bundle compliance
- Ventilator bundle
- Surgical site infection (SSI) rate for vaginal hysterectomy

The quality data included in this report comes from data submitted by each hospital directly to MHA on their data collection site. Each hospital must obtain the measure data via chart abstraction. Hospitals may take the measure information directly from the medical record, via observational audits or through a specifically designed documentation record (i.e. daily goals checklist). Hospitals must submit this data on a quarterly basis, no later than 45 days after the end of each quarter. If a hospital had no cases within a given quarter, the

hospital must still report this data to MHA. The online reporting tool requires the hospital to enter the measure numerator and denominator by month. The SSI Rate for Vaginal Hysterectomy measure numerator and denominators must be broken down and submitted by risk level 0, 1, 2 and 3.

The Central Line Bundle Compliance and Ventilator Bundle measures require concurrent data collection and observation. The SSI Rate for Vaginal Hysterectomy measure requires a retrospective review. There is a 30 day data lag associated with this measure.

More information about the reporting of these three measures can be found at <http://www.mnhospitals.org/index/Infection1>.

Sampling

- Central Line Bundle Compliance and the Ventilator Bundle: Sampling is allowed for these measures if there are more than 15 cases per month at the hospital. If there are less than 15 cases, the total population must be reported.
- SSI Rate for Vaginal Hysterectomy: Sampling is not allowed for this measure. The measure includes 100% of eligible cases.

Calculating Rates

Each rate calculation is based on the hospital's relevant discharges. Only patients meeting certain criteria for a measure are included in the calculation of the rate for a measure.

- Central Line Bundle Compliance and the Ventilator Bundle: The performance rate for individual hospitals are calculated by dividing the numerator by the denominator. The denominator is the sum of all eligible cases (as defined in the measure specifications) submitted to MHA for the reporting period. The numerator is the sum of all eligible cases submitted for the same reporting period where the recommended care was provided. The same data is used for individual hospital and state rate calculations.
- SSI Rate for Vaginal Hysterectomy: The infection rate for individual hospitals in Risk Level 0 and Risk Level 1,2,3 are calcu-

lated by dividing the numerator by the denominator. The denominator is the sum of all eligible cases (as defined in the measure specifications) submitted to MHA for the reporting period. The numerator is the sum of all eligible cases submitted for the same reporting period where the recommended care was provided. The Combined Risk Level infection rate is calculated by adding the numerators and denominators of the two risk level categories and dividing the numerator by the denominator. This combined infection rate is displayed in the Quality of Care for Surgeries table in the front of this report. The confidence intervals are exact poisson confidence intervals calculated by using the inverse gamma function as proposed by Leslie Daly (0 infections have a 95% confidence interval of 0 – 3.689.): (Daly, L. The Calculation of Exact Binomial and Poisson Confidence Limits; *Comput. Biol. Med.*, Vol. 22, No. 5, pp 351-361, 1992). This confidence interval is compared to the expected rate to determine the significance of the results. If the expected rate falls within the confidence interval, the hospital's performance is average or the same as expected. If the expected rate falls above the confidence interval, the hospital's performance is average or better than expected. If the expected rate falls below the confidence interval, the hospital's performance is below average or worse than expected. More information on these calculations and their statistical significance is available at <http://www.mnhospitalquality.org/SSI.aspx?region=ALL&ct=Infection+Prevention&mc=SSIVH>.

To determine the state average for these measures, hospitals with "0 patients" in the measure denominator were excluded from the calculation. Then, the sum of all the numerators for Minnesota hospitals was divided by the sum of all the denominators of Minnesota hospitals.

Risk Adjustment

- Central Line Bundle Compliance and the Ventilator Bundle: The results for these measures are not risk adjusted because the

measures relate to whether or not a patient received appropriate treatment rather than whether a particular outcome was achieved. Risk adjustment is performed for other measures for which patient characteristics influence a provider's results.

- SSI Rate for Vaginal Hysterectomy: The performance of each facility relative to SSI has been adjusted to reflect the risk associated with the reported procedure. Adjusting for these risk levels allows for comparisons of the facilities. If a facility has a high rate after the adjustment, one can have more confidence that the facility has SSI problems that are caused by factors other than the presence of many high risk patients. The risk factors that are used in adjusting a facility's performance are the degree of contamination of the wound at the time of the operation, the duration of the procedure, and the American Society of Anesthesiologists (ASA) score. The latter is an estimate of the patient's physical condition. A risk score of 0 indicates that the patient has a relatively low risk of developing a surgical site infection, while a 3 indicates that a patient has a relatively high risk of developing an infection for a particular surgical procedure. Occasionally risk levels are combined, as in 1,2,3. For these surgical procedures, the Centers for Disease Control found that SSI rates were similar whether the risk was a 1, 2 or a 3.

Limitations

In order to align with accepted national standards for public reporting with respect to the number of patients required for reliable public reporting, results are only included on those measures for hospitals with 25 or more cases. Because many hospitals have fewer than 25 cases in a reporting period, results are not included for a considerable number of hospitals on some measures.

NOTE: For the SSI rate for vaginal hysterectomy measure, this included a combined sample size of 25 for all risk levels (i.e. 0, 1,2,3)



MINNESOTA DEPARTMENT OF HEALTH, HEALTH ECONOMICS PROGRAM
85 East Seventh Place, St. Paul, MN 55164-0882
Phone: 651-201-3555 | TDD: 651-201-5797
www.health.state.mn.us/healthreform/measurement

