

HEDIS

Minnesota's HEDIS® 2003 Medicaid Managed Care Results

Calendar Year 2002 Data

As Reported in the Health Plan Employer Data and
Information Set (HEDIS)

and

As Summarized by the
Minnesota Department of Human Services



Minnesota Department of **Human Services**

December 2003

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Introduction

The Health Plan Employer Data and Information Set (HEDIS®) is today’s national standard for assessing the performance of managed health care organizations (MCOs). HEDIS was developed and is maintained by the National Committee for Quality Assurance (NCQA).

The State of Minnesota uses HEDIS as part of its effort to assess the performance of contracted MCOs. The State contracts with eight MCOs to provide care to citizens enrolled in several publicly funded health care programs, most notably, the Prepaid Medical Assistance Program (PMAP) and MinnesotaCare.

| Figure 1: State-Contracted MCOs | |
|---------------------------------|--------------------------------------|
| ➤ | BluePlus |
| ➤ | First Plan Blue |
| ➤ | HealthPartners |
| ➤ | Itasca Medical Care (IMC) |
| ➤ | Medica Health Plans (Medica) |
| ➤ | Metropolitan Health Plan (MHP) |
| ➤ | South Country Health Alliance (SCHA) |
| ➤ | UCare Minnesota (UCare) |

HEDIS is a set of performance measures across several domains. Those domains include Effectiveness of Care, Access and Availability of Care, and Use of Services. The HEDIS measurements, or *rates*, which are reported by the MCOs, typically take the form of percentages, such as the percentage of enrolled children who received their immunizations. All HEDIS measurements refer to a calendar year (CY) timeframe.

The primary goal of HEDIS is to provide standardized objective measures of the quality of care and services provided to managed care enrollees. These measures

can alert the State and the MCOs to areas needing additional attention. For example, an MCO that, according to HEDIS information, is providing fewer childhood immunizations than other MCOs, might analyze its provider network, its policies and its procedures, and, based on what it finds, implement a new approach to address the problem.

HEDIS information can also effect how the State chooses to purchase services for its public programs. The State may provide incentive opportunities, both financial and non-financial, to encourage MCOs to improve performance on particular HEDIS measures.

This document is a selective summary of HEDIS data reported in calendar year 2003 for health care activity carried out in calendar year 2002. For PMAP and the MinnesotaCare program, results for ten single-year measures are included, representing about a quarter of all required HEDIS measures for CY 2002. Several multi-year, or “trend” measures, are also included for these two programs. Some additional measures are included for the Minnesota Senior Health Options (MSHO) and commercial programs.

Those who might find this document useful include legislators, managers and regulators of state-funded health care programs, health care consumers, and others concerned about the quality of health care provided to enrollees of Minnesota’s publicly funded programs.

Those readers interested in seeing the detailed specifications for HEDIS 2003 measures should request the publication *HEDIS 2003, Volume 2: Technical Specifications* from the NCQA.

For additional information on Minnesota HEDIS, including how reporting works, how HEDIS data are computed, and how the data should be used, see the Department of Human Service's 2002 publication: *Primer on the Medicaid and MinnesotaCare Health Plan Employer Data and Information Set (HEDIS)*. The primer provides a report on calendar year 2001 HEDIS rates, and a more detailed discussion of cautions related to interpreting HEDIS data.

Report Summary

The HEDIS 2003 measures selected for this report are those best suited for making comparisons. The comparisons explored are: a) among individual MCOs, b) between individual MCOs and the MCO-average (i.e., average of the individual MCO rates), and c) between individual MCOs and national Medicaid averages. Readers who want to see more HEDIS results than are presented here should access the Minnesota Department of Health website (see inside cover of this document).

Results vary from measure to measure; however, in the PMAP and MinnesotaCare programs, some general findings stand out:

- BluePlus and Medica are the only MCOs with rates falling well below MCO-averages.
- HealthPartners and MHP each have several rates far above MCO-averages.
- Notable variation among plans occurs for many measures.
- For immunization and antidepressant medication measures, commercial rates generally exceed public program rates.

- Minnesota's PMAP and MinnesotaCare rates compare favorably to national Medicaid averages.
- From 1998 through 2002, no MCOs report either steady or sharp decreases in rates.
- From 1998 through 2002, rates for chicken pox vaccination and well-child visits demonstrate notable increases.

Results (Single-Year)

Table 1 and Table 2 present single-year results for the PMAP and MinnesotaCare programs—the two programs serving the majority of public health care clients in Minnesota. Results for the prepaid General Assistance Medical Care (PGAMC) and MSHO programs, as well as for commercial programs, are presented in Appendix II.

There are important features to be noted in Table 1 and Table 2. First, shortened descriptions of each measure are provided; more detailed descriptions are available in Appendix I. Second, some MCOs have large confidence intervals associated with their rates. This means that the rates are based on relatively small populations (i.e., smaller denominators are available for computation of rates). In some cases (see footnote 2), populations were so small that no rates were reported by the MCOs. In these cases the rates were computed by the Department of Human Services.

Instances where an MCO's rate is appreciably below the MCO-average are denoted by shading in the tables. These rates are well below average even when confidence intervals are accounted for. For example, BluePlus's PMAP Chlamydia Screening rate (28.1) falls below the MCO

average (44.8), even if the confidence interval (2.0) is added to the MCO rate.

Instances where an MCO's rate is appreciably above the MCO-average are denoted in bold type.

For PMAP and the MinnesotaCare program, BluePlus reports eight rates that are appreciably below the MCO-average. Medica reports five that are appreciably below this average. None of the other MCOs report rates in this below-average category. Again, these assessments take into account the confidence intervals of the rates.

HealthPartners and MHP each reports three rates that are appreciably above the MCO-average.

There appear to be considerable degrees of variation among MCOs on these measures, even though large confidence intervals make precise determination of variation difficult. Among the larger MCOs, ten-point variations are common. Chlamydia Screening and Well-Child visits show the greatest variations, ranging over twenty percentage points in some cases.

Comparison of immunization and antidepressant medication rates to the corresponding commercial rates in Appendix II shows that, in general, the commercial rates exceed the public program rates.

National Medicaid rates, available from NCQA, are shown in Table 1 and Table 2 with the Minnesota MCO rates. These national rates are computed from all reported public programs, whose total enrolled population does not correspond in terms of eligibility criteria to Minnesota's PMAP and MinnesotaCare programs.

Nevertheless, it is instructive to compare Minnesota's rates to these national rates. In general, the average rates among Minnesota's MCOs compare favorably. Only the average rate for Chlamydia Screening in MinnesotaCare falls appreciably below the national figure. Minnesota MCO averages for immunizations and antidepressant medication management are appreciably higher than the national average.

Results (Multi-Year)

Recalling that one of the major uses of HEDIS data is quality improvement, monitoring a measure's trend over several years can reveal progress toward performance standards or targets. Sometimes the degree of progress can be more important than the status of a measure at a single point in time. When a low-performing MCO shows significant improvement, even though its rates are still lower than other MCOs, there is an indication that it is "doing something right."

Another advantage of multi-year analysis is that it can reveal single-point-in-time *aberrations*. Rates sharply different from preceding or subsequent years may be erroneously reported.

A caution when comparing an MCO's performance against itself over time is that the definition of measures may change in subtle or in major ways from year to year, even though they may go by the same name. In some cases, specific procedure codes have been added to, or dropped from, the set of codes specified for a measure. A change in the method of data collection (administrative to medical records, for instance) can also complicate trend analyses.

The multi-year HEDIS data in Table 3 and Table 4 are for carefully selected measures, those with consistency in definition over time. Table 3 displays results for PMAP; Table 4 for the MinnesotaCare program.

No steady downward trends are evident in the multi-year tables. Neither are there any recent sharp declines evident, except for those MCOs with very small populations, and, therefore, large confidence intervals for their rates.

There are, however, several steady upward trends (BluePlus and Medica chicken pox [VZV] immunizations), and some recent sharp increases (e.g., BluePlus's immunization rates and several well-child visit rates for IMC and First Plan Blue).

When the MCO-average rates are computed across these years, only VZV immunization rates and well-child visit rates demonstrate notable increases. For the PMAP program, the average VZV rate rises from 48.9 to 72.8 from 1998 to 2002, while the average well-child visit rate rises from 46.1 to 60.6. For MinnesotaCare, VZV rises from 44.3 to 72.0, and well-child visits from 34.7 to 60.3.

For Additional Information

Sources of related and more detailed information on HEDIS measures and results are mentioned above. These include the Minnesota Department of health website (see back of front cover); NCQA publications, including *HEDIS 2003, Volume 2: Technical Specifications*, and the Minnesota Department of Human Services publication: *Primer on the Medicaid and MinnesotaCare Health Plan*

Employer Data and Information Set (HEDIS).

TABLE 1

Selected HEDIS Results for State-Contracted MCOs

Health Care Program: **PMAP** Measurement Year: 2002

| Measure ¹ | MCO | Rate | Confidence Interval |
|---|-------------------|-------------|---------------------|
| Childhood Immunization Rate - Combination #1 ^H <i>(Percentage of eligible children who received the defined combination of vaccinations.)</i> | BluePlus | 65.0 | ± 4.7 |
| | First Plan Blue | 47.4 | ± 9.6 |
| | HealthPartners | 57.9 | ± 4.9 |
| | IMC | 77.5 | ± 7.6 |
| | Medica | 62.3 | ± 4.8 |
| | MHP | 65.0 | ± 4.7 |
| | SCHA | 69.7 | ± 9.6 |
| | UCare | 59.6 | ± 4.9 |
| | MCO Avg | 63.0 | |
| | Nat Medicaid Avg | 57.7 | |
| Childhood Immunization Rate - Combination #2 ^H <i>(Percentage of eligible children who received the defined combination of vaccinations.)</i> | BluePlus | 61.3 | ± 4.8 |
| | First Plan Blue | 36.8 | ± 9.3 |
| | HealthPartners | 50.9 | ± 5.0 |
| | IMC | 70.5 | ± 8.3 |
| | Medica | 54.7 | ± 4.9 |
| | MHP | 59.4 | ± 4.9 |
| | SCHA | 59.6 | ± 10.2 |
| | UCare | 50.4 | ± 5.0 |
| | MCO Avg | 55.5 | |
| | Nat Medicaid Avg | 53.2 | |
| Adolescent Immunization Rate - Combination #1 ^H <i>(Percentage of eligible adolescents who received the defined combination of vaccinations.)</i> | BluePlus | 48.4 | ± 5.0 |
| | First Plan Blue | 31.8 | ± 14.9 |
| | HealthPartners | 47.2 | ± 5.0 |
| | IMC ^A | 23.3 | ± 13.8 |
| | Medica | 48.7 | ± 5.0 |
| | MHP | 66.0 | ± 5.1 |
| | SCHA ² | 47.6 | 0.0 |
| | UCare | 47.2 | ± 5.0 |
| | MCO Avg | 45.0 | |
| | Nat Medicaid Avg | 42.8 | |
| Chlamydia Screening in Women - Total ^A <i>(Percentage of eligible women who received at least one test for chlamydia.)</i> | BluePlus | 28.1 | ± 2.0 |
| | First Plan Blue | 32.7 | ± 6.8 |
| | HealthPartners | 59.3 | ± 2.4 |
| | IMC | 39.8 | ± 10.2 |
| | Medica | 33.2 | ± 1.5 |
| | MHP | 80.4 | ± 3.0 |
| | SCHA | 33.5 | ± 5.1 |
| | UCare | 51.3 | ± 2.1 |
| | MCO Avg | 44.8 | |
| | Nat Medicaid Avg | 40.9 | |

TABLE 1

| Selected HEDIS Results for State-Contracted MCOs | | | |
|---|------------------------------|------------------------|---------------------|
| Health Care Program: PMAP | | Measurement Year: 2002 | |
| Measure ¹ | MCO | Rate | Confidence Interval |
| Antidepressant Medication Mgmt - Acute ^A <i>(Percentage of eligible adults newly diagnosed with major depression who received a specified level of care within 2 weeks.)</i> | BluePlus | 55.7 | ± 6.2 |
| | First Plan Blue ² | 64.3 | |
| | HealthPartners | 42.9 | ± 7.7 |
| | IMC ² | 53.8 | |
| | Medica | 51.8 | ± 4.5 |
| | MHP | 52.9 | ± 12.6 |
| | SCHA ² | 68.8 | |
| | UCare | 46.5 | ± 6.3 |
| | <i>MCO Avg</i> | <i>54.6</i> | |
| <i>Nat Medicaid Avg</i> | <i>47.5</i> | | |
| Antidepressant Medication Mgmt - Continuation ^A <i>(Percentage of eligible adults newly diagnosed with major depression who received a specified level of care within 6 months.)</i> | BluePlus | 38.6 | ± 6.1 |
| | First Plan Blue ² | 42.9 | |
| | HealthPartners | 27.7 | ± 7.0 |
| | IMC ² | 38.5 | |
| | Medica | 33.5 | ± 4.3 |
| | MHP | 38.2 | ± 12.3 |
| | SCHA ² | 62.5 | |
| | UCare | 32.4 | ± 5.9 |
| | <i>MCO Avg</i> | <i>39.3</i> | |
| <i>Nat Medicaid Avg</i> | <i>32.4</i> | | |
| Well-Child Visits in First 15 Mon - 6 or more ^H <i>(Percentage of eligible children who received six or more well-child visits during first 15 months of life.)</i> | BluePlus ^A | 36.7 | ± 1.9 |
| | First Plan Blue | 43.5 | ± 9.8 |
| | HealthPartners | 59.0 | ± 4.9 |
| | IMC | 63.3 | ± 10.5 |
| | Medica ^A | 32.1 | ± 1.6 |
| | MHP | 58.6 | ± 4.9 |
| | SCHA ² | 32.0 | |
| | UCare | 47.5 | ± 4.9 |
| | <i>MCO Avg</i> | <i>46.6</i> | |
| <i>Nat Medicaid Avg</i> | <i>43.0</i> | | |
| Well-Child Visits in 3-6 Yrs ^H <i>(Percentage of eligible children who received one or more well-child visits while age 3, 4, 5, or 6.)</i> | BluePlus ^A | 48.3 | ± 1.6 |
| | First Plan Blue | 64.4 | ± 6.9 |
| | HealthPartners | 65.6 | ± 4.8 |
| | IMC | 66.4 | ± 6.2 |
| | Medica ^A | 56.1 | ± 1.1 |
| | MHP | 63.0 | ± 4.8 |
| | SCHA | 52.6 | ± 4.9 |
| | UCare | 58.6 | ± 4.9 |
| | <i>MCO Avg</i> | <i>59.4</i> | |
| <i>Nat Medicaid Avg</i> | <i>58.2</i> | | |

TABLE 1

Selected HEDIS Results for State-Contracted MCOs

Health Care Program: **PMAP** Measurement Year: 2002

| Measure ¹ | MCO | Rate | Confidence Interval |
|--|------------------------------|------|---------------------|
| Adolescent Well-Care Visits ^H <i>(Percentage of eligible adolescents who received one or more well-care visits.)</i> | BluePlus ^A | 26.9 | ± 1.3 |
| | First Plan Blue ^A | 30.8 | ± 4.6 |
| | HealthPartners | 44.3 | ± 4.9 |
| | IMC ^A | 30.3 | ± 4.9 |
| | Medica ^A | 31.6 | ± 0.9 |
| | MHP | 41.9 | ± 4.9 |
| | SCHA | 41.9 | ± 4.9 |
| | UCare | 39.4 | ± 4.8 |
| | MCO Avg | 35.9 | |
| | Nat Medicaid Avg | 37.1 | |
| Inpatient Utilization - GH/Acute - Total Inpatient (ALOS) ^A <i>(Average number of days spent in inpatient acute care by a discharged member of the eligible population.)</i> | BluePlus | 3.7 | |
| | First Plan Blue | 3.5 | |
| | HealthPartners | 3.3 | |
| | IMC | 2.9 | |
| | Medica | 3.8 | |
| | MHP | 3.0 | |
| | SCHA | 3.6 | |
| | UCare | 3.6 | |
| | MCO Avg | 3.4 | |
| | Nat Medicaid Avg | 3.5 | |

¹ See Appendix I for technical definitions.

² Rate based on fewer than 30 eligibles in denominator. No confidence interval computed.

^A By Measure name, means that administrative reporting method was used by most MCOs; by MCO name, indicates administrative method used for more commonly hybrid measure.

^H By Measure name, means that hybrid reporting method was used by most MCOs; by MCO name, indicates hybrid method used for more commonly administrative measure.

TABLE 2

| Selected HEDIS Results for State-Contracted MCOs | | | |
|---|-----------------------------|------------------------|---------------------|
| Health Care Program: MinnesotaCare | | Measurement Year: 2002 | |
| Measure ¹ | MCO | Rate | Confidence Interval |
| Childhood Immunization Rate - Combination #1 ^H <i>(Percentage of eligible children who received the defined combination of vaccinations.)</i> | BluePlus | 69.3 | ± 4.6 |
| | First Plan Blue | 50.0 | ± 15.9 |
| | HealthPartners | 70.4 | ± 6.4 |
| | IMC ² | 72.7 | |
| | Medica | 68.4 | ± 5.2 |
| | MHP ² | 37.5 | |
| | UCare | 65.9 | ± 5.4 |
| | MCO Avg Nat Medicaid Avg | 62.0 57.7 | |
| Childhood Immunization Rate - Combination #2 ^H <i>(Percentage of eligible children who received the defined combination of vaccinations.)</i> | BluePlus | 64.0 | ± 4.8 |
| | First Plan Blue | 38.6 | ± 15.5 |
| | HealthPartners | 62.9 | ± 6.7 |
| | IMC ² | 68.2 | |
| | Medica | 57.9 | ± 5.5 |
| | MHP ² | 37.5 | |
| | UCare | 51.5 | ± 5.7 |
| | MCO Avg Nat Medicaid Avg | 54.4 53.2 | |
| Adolescent Immunization Rate - Combination #1 ^H <i>(Percentage of eligible adolescents who received the defined combination of vaccinations.)</i> | BluePlus | 49.4 | ± 5.0 |
| | First Plan Blue | 40.5 | ± 11.1 |
| | HealthPartners | 54.3 | ± 5.7 |
| | IMC ^A | 28.9 | ± 13.3 |
| | Medica | 54.3 | ± 4.9 |
| | MHP | 66.7 | ± 14.9 |
| | UCare | 57.4 | ± 4.9 |
| | MCO Avg Nat Medicaid Avg | 50.2 42.8 | |
| Chlamydia Screening in Women - Total ^A <i>(Percentage of eligible women who received at least one test for chlamydia.)</i> | BluePlus | 21.5 | ± 1.4 |
| | First Plan Blue | 28.3 | ± 5.9 |
| | HealthPartners | 43.4 | ± 3.3 |
| | IMC | 32.7 | ± 9.1 |
| | Medica | 27.4 | ± 2.5 |
| | MHP | 50.6 | ± 11.7 |
| | UCare | 33.5 | ± 2.6 |
| | MCO Avg Nat Medicaid Avg | 33.9 40.9 | |

TABLE 2

| Selected HEDIS Results for State-Contracted MCOs | | | |
|---|-----------------------------|------------------------|---------------------|
| Health Care Program: MinnesotaCare | | Measurement Year: 2002 | |
| Measure ¹ | MCO | Rate | Confidence Interval |
| Antidepressant Medication Mgmt - Acute ^A <i>(Percentage of eligible adults newly diagnosed with major depression who received a specified level of care within 2 weeks.)</i> | BluePlus | 65.2 | ± 4.0 |
| | First Plan Blue | 67.6 | ± 16.4 |
| | HealthPartners | 55.3 | ± 8.6 |
| | IMC ² | 77.8 | |
| | Medica | 61.1 | ± 7.4 |
| | MHP ² | 84.6 | |
| | UCare | 58.1 | ± 7.1 |
| | MCO Avg Nat Medicaid Avg | 67.1 47.5 | |
| Antidepressant Medication Mgmt - Continuation ^A <i>(Percentage of eligible adults newly diagnosed with major depression who received a specified level of care within 6 months.)</i> | BluePlus | 44.6 | ± 4.1 |
| | First Plan Blue | 54.1 | ± 17.4 |
| | HealthPartners | 41.8 | ± 8.5 |
| | IMC ² | 66.7 | |
| | Medica | 43.3 | ± 7.5 |
| | MHP ² | 84.6 | |
| | UCare | 45.5 | ± 7.2 |
| | MCO Avg Nat Medicaid Avg | 54.4 32.4 | |
| Well-Child Visits in First 15 Mon - 6 or more ^H <i>(Percentage of eligible children who received six or more well-child visits during first 15 months of life.)</i> | BluePlus ^A | 47.3 | ± 3.8 |
| | First Plan Blue | 57.1 | ± 17.8 |
| | HealthPartners | 62.2 | ± 7.0 |
| | IMC ² | 62.5 | |
| | Medica ^A | 42.6 | ± 5.9 |
| | MHP ² | 60.0 | |
| | UCare | 58.3 | ± 6.1 |
| | MCO Avg Nat Medicaid Avg | 55.3 43.0 | |
| Well-Child Visits in 3-6 Yrs ^H <i>(Percentage of eligible children who received one or more well-child visits while age 3, 4, 5, or 6.)</i> | BluePlus ^A | 48.1 | ± 1.5 |
| | First Plan Blue | 61.3 | ± 6.6 |
| | HealthPartners | 57.2 | ± 5.0 |
| | IMC | 66.1 | ± 9.3 |
| | Medica ^A | 56.8 | ± 2.4 |
| | MHP | 73.5 | ± 7.9 |
| | UCare | 59.4 | ± 4.9 |
| | MCO Avg Nat Medicaid Avg | 60.3 58.2 | |

TABLE 2

Selected HEDIS Results for State-Contracted MCOs

Health Care Program: **MinnesotaCare** Measurement Year: 2002

| Measure ¹ | MCO | Rate | Confidence Interval |
|--|------------------------------|------|---------------------|
| Adolescent Well-Care Visits ^H <i>(Percentage of eligible adolescents who received one or more well-care visits.)</i> | BluePlus | 25.7 | ± 0.7 |
| | First Plan Blue | 30.0 | ± 3.3 |
| | HealthPartners | 39.9 | ± 4.9 |
| | IMC | 30.3 | ± 4.9 |
| | Medica | 30.1 | ± 1.5 |
| | MHP | 44.2 | ± 5.6 |
| | UCare | 38.2 | ± 4.8 |
| | MCO Avg | 34.0 | |
| | Nat Medicaid Avg | 37.1 | |
| Inpatient Utilization - GH/Acute - Total Inpatient (ALOS) ^A <i>(Average number of days spent in inpatient acute care by a discharged member of the eligible population.)</i> | BluePlus ^A | 3.3 | |
| | First Plan Blue ^A | 3.0 | |
| | HealthPartners | 3.2 | |
| | IMC ^A | 2.7 | |
| | Medica ^A | 3.4 | |
| | MHP | 2.7 | |
| | UCare | 3.5 | |
| | MCO Avg | 3.1 | |
| | Nat Medicaid Avg | 3.5 | |

¹ See Appendix I for technical definitions.

² Rate based on fewer than 30 eligibles in denominator. No confidence interval computed.

^A By Measure name, means that administrative reporting method was used by most MCOs; by MCO name, indicates administrative method used for more commonly hybrid measure.

^H By Measure name, means that hybrid reporting method was used by most MCOs; by MCO name, indicates hybrid method used for more commonly administrative measure.

TABLE 3

| Selected HEDIS Results for State-Contracted MCOs | | | | | | |
|--|-----------------|------------------------------|-------|------|------|------|
| Health Care Program: PMAP | | Measurement Years: 1998-2002 | | | | |
| Measure | MCO | Data Year | | | | |
| | | 1998 | 1999 | 2000 | 2001 | 2002 |
| Childhood Immunization Rate - DTaP/DTP <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 70.4 | 70.1 | 67.9 | 73.5 | 80.1 |
| | First Plan Blue | 68.3 | 94.6 | 61.5 | 72.0 | 59.7 |
| | HealthPartners | 81.3 | 70.6 | 73.7 | 71.8 | 70.1 |
| | IMC | 81.8 | 51.3 | 44.7 | 82.6 | 79.8 |
| | Medica | 68.5 | 73.6 | 65.9 | 76.2 | 75.9 |
| | MHP | 85.4 | 78.6 | 75.9 | 66.9 | 75.7 |
| | UCare | 68.9 | 74.9 | 71.7 | 55.5 | 74.9 |
| Childhood Immunization Rate - IPV/OPV <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 77.7 | 75.9 | 76.4 | 81.5 | 88.8 |
| | First Plan Blue | 68.3 | 100.0 | 68.7 | 77.3 | 71.9 |
| | HealthPartners | 87.6 | 75.7 | 81.0 | 83.7 | 84.7 |
| | IMC | 92.9 | 62.6 | 45.7 | 92.3 | 89.5 |
| | Medica | 76.2 | 81.3 | 81.2 | 83.2 | 85.2 |
| | MHP | 93.2 | 89.5 | 86.1 | 85.2 | 89.5 |
| | UCare | 81.8 | 82.0 | 83.7 | 77.4 | 86.9 |
| Childhood Immunization Rate - MMR <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 84.6 | 83.5 | 78.8 | 83.0 | 89.8 |
| | First Plan Blue | 92.7 | 97.3 | 79.5 | 81.3 | 72.8 |
| | HealthPartners | 88.3 | 78.1 | 79.8 | 93.9 | 87.4 |
| | IMC | 85.9 | 73.9 | 66.0 | 78.2 | 87.0 |
| | Medica | 80.1 | 82.9 | 75.1 | 84.9 | 82.5 |
| | MHP | 87.6 | 87.8 | 87.4 | 79.8 | 86.1 |
| | UCare | 80.8 | 83.2 | 80.1 | 84.7 | 86.6 |
| Childhood Immunization Rate - VZV <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 36.2 | 53.0 | 56.0 | 65.5 | 83.0 |
| | First Plan Blue | 58.5 | 48.7 | 51.8 | 64.0 | 53.5 |
| | HealthPartners | 53.0 | 58.4 | 66.7 | 92.0 | 74.7 |
| | IMC | 46.5 | 44.4 | 46.8 | 52.3 | 80.6 |
| | Medica | 45.6 | 59.8 | 62.9 | 68.9 | 71.3 |
| | MHP | 53.0 | 57.2 | 72.3 | 73.5 | 78.6 |
| | UCare | 49.4 | 53.3 | 60.2 | 66.9 | 67.8 |
| Well-Child Visits in 3-6 Yrs <i>(Percentage of eligible children who received one or more well-child visits while age 3, 4, 5, or 6.)</i> | BluePlus | 48.9 | 45.5 | 42.0 | 46.5 | 48.3 |
| | First Plan Blue | 53.7 | 53.2 | 50.3 | 50.3 | 64.4 |
| | HealthPartners | 37.0 | 30.9 | 62.3 | 60.8 | 65.6 |
| | IMC | | 46.8 | 45.3 | 58.6 | 66.4 |
| | Medica | 61.0 | 56.9 | 51.6 | 53.6 | 56.1 |
| | MHP | | 64.0 | 68.6 | 66.9 | 63.0 |
| | UCare | 45.0 | 49.9 | 49.9 | 53.1 | 58.6 |

TABLE 4

| Selected HEDIS Results for State-Contracted MCOs | | | | | | |
|--|-----------------|---------------|------|------------------------------|-------|------|
| Health Care Program: | | MinnesotaCare | | Measurement Years: 1998-2002 | | |
| Measure | MCO | Data Year | | | | |
| | | 1998 | 1999 | 2000 | 2001 | 2002 |
| Childhood Immunization Rate - DTaP/DTP <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 75.7 | 74.5 | 73.2 | 75.9 | 82.2 |
| | First Plan Blue | 92.3 | 11.1 | 8.3 | 35.7 | 70.5 |
| | HealthPartners | 74.3 | 64.1 | 80.9 | 80.7 | 81.7 |
| | IMC | 79.0 | 25.6 | 52.4 | 100.0 | 77.3 |
| | Medica | 69.6 | 71.6 | 60.6 | 80.8 | 80.2 |
| | MHP | 87.0 | 14.3 | 36.4 | 71.4 | 43.8 |
| | UCare | 74.2 | 79.1 | 77.1 | 69.6 | 79.1 |
| Childhood Immunization Rate - IPV/OPV <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 81.3 | 82.5 | 80.8 | 81.8 | 87.6 |
| | First Plan Blue | 92.3 | 11.1 | 8.3 | 35.7 | 75.0 |
| | HealthPartners | 83.0 | 71.8 | 90.8 | 91.0 | 90.1 |
| | IMC | 84.2 | 22.6 | 57.1 | 100.0 | 81.8 |
| | Medica | 80.4 | 76.1 | 75.6 | 85.2 | 88.2 |
| | MHP | 95.7 | 14.3 | 45.5 | 76.2 | 87.5 |
| | UCare | 80.4 | 85.4 | 82.6 | 82.6 | 86.5 |
| Childhood Immunization Rate - MMR <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 87.1 | 84.2 | 83.2 | 81.0 | 88.3 |
| | First Plan Blue | 100.0 | 11.1 | 41.7 | 64.3 | 79.6 |
| | HealthPartners | 86.6 | 76.9 | 92.2 | 98.7 | 89.7 |
| | IMC | 86.8 | 32.3 | 76.2 | 100.0 | 86.4 |
| | Medica | 78.3 | 80.6 | 66.9 | 86.7 | 87.6 |
| | MHP | 91.3 | 85.7 | 63.6 | 85.7 | 75.0 |
| | UCare | 90.2 | 89.2 | 85.6 | 89.1 | 85.5 |
| Childhood Immunization Rate - VZV <i>(Percentage of eligible children who received the vaccination.)</i> | BluePlus | 37.2 | 47.5 | 52.1 | 60.6 | 81.5 |
| | First Plan Blue | 46.2 | 33.3 | 41.7 | 28.6 | 56.8 |
| | HealthPartners | 45.6 | 50.4 | 72.3 | 98.7 | 77.0 |
| | IMC | 39.5 | 35.5 | 47.6 | 90.9 | 77.3 |
| | Medica | 26.1 | 52.2 | 55.0 | 70.0 | 77.4 |
| | MHP | 65.2 | 25.6 | 63.6 | 76.2 | 68.8 |
| | UCare | 50.3 | 45.6 | 59.2 | 66.4 | 65.0 |
| Well-Child Visits in 3-6 Yrs <i>(Percentage of eligible children who received one or more well-child visits while age 3, 4, 5, or 6.)</i> | BluePlus | 45.8 | 46.3 | 45.3 | 46.8 | 48.1 |
| | First Plan Blue | 52.6 | 65.5 | 61.7 | 53.7 | 61.3 |
| | HealthPartners | 41.5 | 35.2 | 66.4 | 60.4 | 57.2 |
| | IMC | | 34.0 | 32.6 | 54.3 | 66.1 |
| | Medica | 47.3 | 51.6 | 52.8 | 55.9 | 56.8 |
| | MHP | | 65.6 | 56.4 | 69.5 | 73.5 |
| | UCare | 56.0 | 49.2 | 53.5 | 51.5 | 59.4 |

Appendix I

Technical Definitions for Selected HEDIS Measures

Measurement Year: 2002

| Measure | Denominator Population | Numerator (“Hits”)* |
|---|---|--|
| Childhood Immunization Status – Combination #1 | Children who were enrolled in the program on their second birthday, and who turned two years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their second birthday, with no more than one one-month gap in enrollment. | Those who received four diphtheria/tetanus/pertussis vaccinations, three polio vaccinations, one mumps/measles/rubella vaccination, three H influenza type B vaccinations, and three hepatitis B vaccinations. |
| Childhood Immunization Status – Combination #2 | Children who were enrolled in the program on their second birthday, and who turned two years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their second birthday, with no more than one one-month gap in enrollment. | Those who received four diphtheria/tetanus/pertussis vaccinations, three polio vaccinations, one mumps/measles/rubella vaccination, three H influenza type B vaccinations, three hepatitis B vaccinations, and at least one chicken pox vaccination. |
| Adolescent Immunization Status – Combination #1 | Children who were enrolled in the program on their thirteenth birthday, and who turned thirteen years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their thirteenth birthday, with no more than one one-month gap in enrollment. | Those who received a second measles/mumps/rubella vaccination and three hepatitis B vaccinations by their thirteenth birthday. |
| Chlamydia Screening in Women – Overall Rate | Women aged 16-26 and enrolled in the MCO as of December of the measurement year, who were enrolled in the MCO for at least eleven months of the measurement year, and who were sexually active during the measurement year. | Those who received at least one chlamydia screening during the measurement year. |
| Antidepressant Medication Management – Acute Phase | Adults 18 and older who were newly diagnosed with major depression during the measurement year, and who filled a prescription for antidepressant medication near the time of diagnosis, and who had pharmacy and mental health benefits through the MCO. | Those who filled a sufficient number of prescriptions for antidepressant medication to constitute continuous treatment for at least twelve weeks. |
| Antidepressant Medication Management – Continuation Phase | Adults 18 and older who were newly diagnosed with major depression during the measurement year, and who filled a prescription for antidepressant medication near the time of diagnosis, and who had pharmacy and mental health benefits through the MCO. | Those who filled a sufficient number of prescriptions for antidepressant medication to constitute continuous treatment for at least six months. |
| Well-Child Visits in First 15 Months of Life – Six or More Visits | Children who were enrolled in the MCO on the day they turned 15 months old, who turned 15 months old during the measurement year, and who were enrolled in the MCO from the age of 31 days through 15 months with no more than one one-month gap in enrollment. | Those who received six or more well-child visits from a primary care practitioner prior to or on the day the child turned 15 months old. |
| Well-Child Visits in the 3 rd , 4 th , 5 th , and 6 th Year of Life | Children who were enrolled in the MCO on December 31 of the measurement year, who were 3-6 years of age in the measurement year, and who were enrolled in the MCO for at least eleven months of the measurement year. | Those who received at least one well-child visit from a primary care practitioner during the year. |
| Adolescent Well-Care Visits | Children who were enrolled in the MCO on December 31 of the measurement year, who were 12-21 years of age in the measurement year, and who were enrolled in the MCO for at least eleven months of the measurement year. | Those who received at least one comprehensive well-care visit from a primary care practitioner or OB/GYN practitioner during the year. |

| Measure | Denominator Population | Numerator (“Hits”)* |
|--|--|--|
| Inpatient Utilization – General Hospital Acute Care – Average Length of Stay | The number of MCO enrollees who were discharged from inpatient care during the measurement year, excluding nonacute care, newborns, mental health, and chemical dependency discharges. | The total number of days spent in acute care, minus uncompensated days. |
| Childhood Immunizations – Diphtheria/Tetanus/Pertussis | Children who were enrolled in the program on their second birthday, and who turned two years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their second birthday, with no more than one one-month gap in enrollment. | Those who received four DTP vaccinations on or before their second birthday. |
| Childhood Immunizations – Polio (IPV/OPV) | Children who were enrolled in the program on their second birthday, and who turned two years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their second birthday, with no more than one one-month gap in enrollment. | Those who received at least three IPV/OPV vaccinations on or before their second birthday. |
| Childhood Immunizations – Measles/Mumps/Rubella | Children who were enrolled in the program on their second birthday, and who turned two years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their second birthday, with no more than one one-month gap in enrollment. | Those who received at least one MMR vaccination between their first and second birthdays. |
| Childhood Immunizations – Chicken Pox (VZV) | Children who were enrolled in the program on their second birthday, and who turned two years old during the measurement year, and who were enrolled in the MCO for the 12 months immediately preceding their second birthday, with no more than one one-month gap in enrollment. | Those who received at least one VZV vaccination on or before their second birthday. |

- Of the denominator population, those meeting these criteria. Note that these criteria are further defined operationally in the publication *HEDIS 2003 Technical Specifications*.

Appendix II

Selected HEDIS Results for PGAMC, MSHO, and Commercial Programs

Measurement Year: 2002

Minnesota Seniors Health Options

This table displays some of the required HEDIS 2003 measures and rates for the Minnesota Seniors Health Options program (MSHO). (For detailed/complete HEDIS® data, contact the Minnesota Department of Health website at: <http://www.health.state.mn.us/divs/hpsc/mcs/hedishome.htm>)

Three MCOs participated in this program in CY 2002. The table below includes the results for each measure. Unless stated otherwise, the rate shown is the number of enrollees who received the service divided by the number of enrollees in the sample. An asterisk (*) by the measure indicates small sample sizes were used in computing the rates.

| Measure | Medica | MHP | UCare |
|---|--------------|--------------|--------------|
| Antidepressant Medication Management* | 75.0 | 80.0 | 65.2 |
| Diabetes - HbA1c Testing | 50.4 | 92.8 | 87.9 |
| Diabetes – Poor HbA1c Control (lower is better) | 54.7 | 43.5 | 38.9 |
| Diabetes - Eye Exam | 63.5 | 73.9 | 66.2 |
| Diabetes - LDL-C Screening | 49.6 | 79.7 | 68.8 |
| Diabetes - LDL-C Level | 32.1 | 42.0 | 47.1 |
| Diabetes - Monitoring for Nephropathy | 51.1 | 73.9 | 59.9 |
| Controlling High Blood Pressure | 41.3 | 43.0 | 61.1 |
| Access to Preventive/Ambulatory Health Services | 97.1 | 97.4 | 96.2 |
| Ambulatory Care – Outpatient Visits per 1000 member-months | 709.4 | 897.7 | 656.1 |
| Ambulatory Care – Emergency Depart Visits per 1000 member-months | 57.7 | 41.7 | 20.9 |
| Mental Health Inpatient - Discharges per 1,000 member-months | 1.3 | 12.0 | 1.2 |
| Mental Health Inpatient - Average Length of Stay (days) | 8.4 | 12.4 | 6.4 |
| Mental Health Ambulatory - Percent of Enrollees Receiving | 1.2 | 7.0 | 1.2 |

Although Access to Preventive/Ambulatory Services remains high across all MSHO health plans, the reader is cautioned not to make comparisons between MSHO and other programs. Comparisons cannot be made due to major differences in enrolled populations such as age, setting of care (living in the community vs. living in a nursing home), and the small numbers reported. It is also important to note that data collection methods may differ when using nursing home resident data for health plans that have a high proportion of nursing home enrollees, so these rates may not be fully representative of the MSHO population.

In addition, MSHO rates are not trended across years because the rates are not comparable from year to year. This is due to the ever-changing proportion of enrollees living in either the community or the nursing home, the high death rate of this population, and to changes in measurement calculations.

PGAMC

This table displays some of the required HEDIS measures and rates for the Prepaid General Assistance Medical Care program. (For detailed/complete HEDIS® data, contact the Minnesota Department of Health website at: <http://www.health.state.mn.us/divs/hpsc/mcs/hedishome.htm>)

Unless stated otherwise, the rate shown is the number of enrollees who received the service divided by the number of enrollees in the sample. First Plan Blue and IMC are not included because of very small sample sizes. Even for those MCOs listed, sample sizes are often quite small for this program.

| Measure | Blue Plus | Health Partners | Medica | MHP | UCare |
|--|-----------|-----------------|--------|------|-------|
| Chlamydia Screening in Women | 27.9 | 43.1 | 31.1 | 50.0 | 32.0 |
| Antidepressant Medication Mgmt – Acute | 54.8 | 64.3 | 52.1 | 50.0 | 66.7 |
| Antidepressant Medication Mgmt - Continuation | 51.6 | 43.2 | 43.7 | 65.4 | 53.9 |
| Adult Access to Preventive/Ambulatory Services Age 20-44 | 84.0 | 86.1 | 84.7 | 81.7 | 82.7 |
| Adult Access to Preventive/Ambulatory Services Age 45-64 | 85.8 | 85.7 | 88.3 | 87.4 | 84.9 |
| Inpatient Utilization - GH Acute -Total Inpatient (ALOS) | 4.0 | 3.4 | 4.1 | 3.8 | 4.2 |

Commercial

This table displays some of the HEDIS measures and rates for commercial programs operated by several MCOs. (For detailed/complete HEDIS® data, contact the Minnesota Department of Health website at: <http://www.health.state.mn.us/divs/hpsc/mcs/hedishome.htm>)

Unless stated otherwise, the rate shown is the number of enrollees who received the service divided by the number of enrollees in the sample.

| Measure | Blue Plus | First Plan Blue | Health Partners | Medica |
|--|-----------|-----------------|-----------------|--------|
| Childhood Immunization Status – Combination #1 | 72.0 | 86.7 | 76.4 | 79.4 |
| Childhood Immunization Status – Combination #2 | 69.1 | 73.3 | 69.6 | 70.2 |
| Adolescent Immunization Status – Combination #1 | 56.5 | 56.8 | 66.4 | 54.7 |
| Chlamydia Screening in Women | 19.3 | 29.6 | 29.3 | 16.7 |
| Antidepressant Medication Mgmt - Acute | 61.9 | 72.2 | 67.7 | 68.0 |
| Antidepressant Medication Mgmt - Continuation | 46.7 | 61.1 | 51.8 | 52.5 |
| Inpatient Utilization - GH Acute -Total Inpatient (ALOS) | 3.4 | 3.2 | 3.1 | 3.7 |