4Q21 Core Measures &
4Q21 MBQIP Data Reports Appendix
Any information included in the following reports is for quality improvement and benchmarking purposes only.

The information in this report is based on data obtained from Quantros, Cerner, self reported, or Telligen Reports.
Michigan

State-Level Care Transition Core Measures/EDTC Report
Quarter 2 - 2021
Generated on 09/20/21

<table>
<thead>
<tr>
<th>MBQIP Quality Measure</th>
<th>Your State's Performance by Quarter</th>
<th>State Current Quarter</th>
<th>National Current Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q3 2020</td>
<td>Q4 2020</td>
<td>Q1 2021</td>
</tr>
<tr>
<td>EDTC-All Composite</td>
<td>95%</td>
<td>92%</td>
<td>92%</td>
</tr>
<tr>
<td>Home Medications</td>
<td>97%</td>
<td>97%</td>
<td>96%</td>
</tr>
<tr>
<td>Allergies and/or Reactions</td>
<td>99%</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>Medications Administered in ED</td>
<td>98%</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>ED Provider Note</td>
<td>97%</td>
<td>97%</td>
<td>97%</td>
</tr>
<tr>
<td>Mental Status/Orientation Assessment</td>
<td>99%</td>
<td>97%</td>
<td>97%</td>
</tr>
<tr>
<td>Reason for Transfer and/or Plan of Care</td>
<td>98%</td>
<td>97%</td>
<td>97%</td>
</tr>
<tr>
<td>Tests and/or Procedures Performed</td>
<td>98%</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>Tests and/or Procedures Results</td>
<td>98%</td>
<td>97%</td>
<td>97%</td>
</tr>
<tr>
<td>Total Medical Records Reviewed (N)</td>
<td>N=1,547</td>
<td>N=1,619</td>
<td>N=1,576</td>
</tr>
</tbody>
</table>

“N/A” indicates that no CAH data were submitted for this state.
Figure 1. EDTC Composite Trend in Michigan and All CAHs Nationally
MBQIP - EDTC
Graphs 2Q
2022

MICAH QN
EDTC - 7 Tests and/or Procedures Performed

Hospitals and Performance:

- Marlette Regional Hospital
- Sheridan Community Hospital
- Baraga County Memorial Hospital
- Sparrow Ionia Hospital
- Ascension Borgess - Lee Hospital
- Harbor Beach Community Hospital, Inc.
- Aspirus Oconto Hospital
- Aspirus Keweenaw Hospital
- Hayes Green Beach Memorial Hospital
- Aspirus Iron River Hospital and Clinics
- Deckerville Community Hospital
- MidMichigan Medical Center - Gladwin
- Aspirus Grand View
- Allegan General Hospital
- Care Community Hospital
- Scheurer Hospital
- Kalkaska Memorial Health Center
- Helen Newberry Joy Hospital
- St. Mary's of Michigan Standish Hospital
- Mackinac Straits Health System, Inc.
- Aspirus Grand View
- McLaren Thumb Regional Hospital
- Caro Community Hospital
- Munson Healthcare Charlevoix Hospital
- Bronson LakeView Hospital
- Munising Memorial Hospital
- OSF St. Francis Hospital & Medical Group
- Eaton Rapids Medical Center

Performance Percentages:

- Q2 2022 MICAHQN (99%)
- Q1 2022 National Average (97%)
- Q1 2022 90th Percentile State (100%)
4Q21 Core Measures - Quarterly Charts

MICAH QN
OP AMI/CP Continuous Measures - 4Q21

Median Time to ECG - Chest Pain
Median Time to ECG - AMI
Median Time to ECG - Overall Rate
Median Time to Transfer to Another Facility for Acute Coronary Intervention - QI Measure
Median Time to Transfer to Another Facility for Acute Coronary Intervention - Reporting Measure
Median Time to Transfer to Another Facility for Acute Coronary Intervention - Overall
Median Time to Fibrinolysis

Median Time

Rural Only Values  CAH Only Values  MICA HQN Values  Hospital Values
IP Emergency Department - 4Q21

- Median Time from ED Arrival to ED Departure for Admitted ED Patients - Psychiatric/Mental Health Patients
- Admit Decision Time to ED Departure Time for Admitted Patients - Psychiatric/Mental Health Patients
- Median Time from ED Arrival to ED Departure for Admitted ED Patients - Overall Rate
- Admit Decision Time to ED Departure Time for Admitted Patients - Overall Rate
- Median Time from ED Arrival to ED Departure for Admitted ED Patients - Reporting Measure
- Admit Decision Time to ED Departure Time for Admitted Patients - Reporting Measure
- Median Time from ED Arrival to ED Departure for Admitted ED Patients - Rural Only Values
- Admit Decision Time to ED Departure Time for Admitted Patients - Rural Only Values
- Median Time from ED Arrival to ED Departure for Admitted ED Patients - CAH Only Values
- Admit Decision Time to ED Departure Time for Admitted Patients - CAH Only Values
- Median Time from ED Arrival to ED Departure for Admitted ED Patients - MICAHQN Values
- Admit Decision Time to ED Departure Time for Admitted Patients - MICAHQN Values

Bars represent Rural Only Values, CAH Only Values, and MICAHQN Values across different time measures.
IMM2 - Influenza Immunization – Overall Rate

Rate

Overall

UCL

LCL

CAH National Avg
OP3b - Median Time to Transfer to Another Facility for Acute Coronary Intervention - Reporting Measure
OP5a - Median Time to ECG - Overall Rate

Median Time

OP5a - Median Time to ECG - Overall Rate

MICAHQN Overall UCL LCL CAH National Avg
OP5b - Median Time to ECG - AMI

- Median Time to ECG for AMI
- Overall performance
- Upper Control Limit (UCL)
- Lower Control Limit (LCL)

Graph showing median time trends over time from 1Q19 to 4Q21.
OP18a - Median Time from ED Arrival to ED Departure for Discharged ED Patients - Overall

- Median Time
- Overall
- UCL
- LCL

Graph showing the median time from ED arrival to ED departure for discharged ED patients overall, with data points for each quarter from 1Q19 to 4Q21.
OP18b - Median Time from ED Arrival to ED Departure for Discharged ED Patients - Reporting Measure

![Graph showing the median time from ED arrival to ED departure for discharged ED patients over time, comparing MICAHQN, Overall, UCL, LCL, and CAH National Avg.]
OP18c - Median Time from ED Arrival to ED Departure for Discharged ED Patients - Psychiatric/Mental Health Patients
OP20 - Door to Diagnostic Evaluation by a Qualified Medical Professional

![Graph showing median time from Q1 2019 to Q4 2021 for MCAHQN, Overall, UCL, LCL, and CAH National Avg]
ED-1a - Median Time from ED Arrival to ED Departure for Admitted ED Patients - Overall Rate

Median Time

1Q19 2Q19 3Q19 4Q19 1Q20 2Q20 3Q20 4Q20 1Q21 2Q21 3Q21 4Q21

MICAHQN Overall UCL LCL
ED-1c - Median Time from ED Arrival to ED Departure for Admitted ED Patients - Psychiatric/Mental Health Patients

- Median Time
- MICAHQN
- Overall
- UCL
- LCL
4Q 2021 Core Measures
Un-Blinded Charts
Michigan

State-Level Patient Safety/Inpatient and Outpatient MBQIP Core Measures Report
Quarter 4 - 2021

Generated on 05/25/22

<table>
<thead>
<tr>
<th>AMI Cardiac Care Measures</th>
<th>State Performance by Quarter</th>
<th>State Current Quarter</th>
<th>National Current Quarter</th>
<th>Benchmark</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q1 2021</td>
<td>Q2 2021</td>
<td>Q3 2021</td>
<td>Q4 2021</td>
</tr>
<tr>
<td>OP-2</td>
<td>50%</td>
<td>80%</td>
<td>47%</td>
<td>58%</td>
</tr>
<tr>
<td>Number of Patients (N)</td>
<td>N=24</td>
<td>N=25</td>
<td>N=30</td>
<td>N=12</td>
</tr>
<tr>
<td>OP-3b</td>
<td>44 min</td>
<td>44 min</td>
<td>72 min</td>
<td>55 min</td>
</tr>
<tr>
<td>Number of Patients (N)</td>
<td>N=16</td>
<td>N=18</td>
<td>N=12</td>
<td>N=17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency Department - Quarterly Measure</th>
<th>State Performance by Quarter</th>
<th>State Current Quarter</th>
<th>National Current Quarter</th>
<th>Benchmark</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q1 2021</td>
<td>Q2 2021</td>
<td>Q3 2021</td>
<td>Q4 2021</td>
</tr>
<tr>
<td>OP-18b</td>
<td>119 min</td>
<td>123 min</td>
<td>115 min</td>
<td>117 min</td>
</tr>
<tr>
<td>Number of Patients (N)</td>
<td>N=3,196</td>
<td>N=3,243</td>
<td>N=3,556</td>
<td>N=3,577</td>
</tr>
</tbody>
</table>

“#” indicates that no CAHs in the state submitted data values for eligible patients, but that one or more CAHs in the state either:
- Reported a population of 0, meaning there were no patients that met the patient population, or
- Submitted eligible cases that were accepted to the CMS Clinical Warehouse, but those cases were excluded for the measure.

“N/A” indicates that either:
- No CAHs in the state submitted any measure data, or
- CAHs submitted data that was rejected/not accepted into the CMS Clinical Warehouse.
Michigan

State-Level Patient Safety/Inpatient and Outpatient MBQIP Core Measures Report
Quarter 4 - 2021
Generated on 05/25/22

Figure 1. OP-2 Trends in Michigan and All CAHs Nationally
Fibrinolytic therapy received within 30 minutes

![Graph showing OP-2 trends in Michigan and nationwide for Q1 2021 to Q4 2021.](image-url)
Michigan

State-Level Patient Safety/Inpatient and Outpatient MBQIP Core Measures Report
Quarter 4 - 2021
Generated on 05/25/22

Figure 2. OP-3b Trends in Michigan and All CAHs Nationally
Median time to transfer to another facility - acute coronary intervention (lower is better)

![Graph showing trends in median minutes for U.S. and MI.
(Q1 2021: U.S. = 44, MI = 44; Q2 2021: U.S. = 44, MI = 44; Q3 2021: U.S. = 72, MI = 72; Q4 2021: U.S. = 55, MI = 55)]
Figure 3. OP-18b Trends in Michigan and All CAHs Nationally
Median time from ED arrival to ED departure for discharged patients (lower is better)
Figure 4. HCP/IMM-3 Trends in Michigan and All CAHs Nationally
Healthcare workers given influenza vaccination

Percentage

94% 89% 82%
4Q19- 1Q20 4Q20- 1Q21 4Q21- 1Q22
Michigan

State-Level Patient Safety/Inpatient and Outpatient MBQIP Core Measures Report
Quarter 4 - 2021
Generated on 05/25/22

Figure 5. Antibiotic Stewardship Trends in Michigan and All CAHs Nationally
CAHs fulfilling the seven antibiotic stewardship core elements

% of CAHs

2019 2020 2021

U.S. MI

81% 84% 94%
IMM-2: Influenza Immunization – Overall Rate

- Hospital
- Q4 2021 MICAHQN (85%)
- Q2 2017-Q1 2018 CAH National (90%)
- Q2 2017-Q1 2018 CAH 90th Percentile National (100%)
- Q2 2017-Q1 2018 National (94%)
OP-3b: Median Time to Transfer to Another Facility for Acute Coronary Intervention - Reporting Measure

- **Sparrow Clinton Hospital**
- **Sparrow Ionia Hospital**
- **MidMichigan Medical Center - Gladwin**
- **Spectrum Health Reed City Hospital**
- **Spectrum Health Kelsey Hospital**
- **Hayes Green Beach Memorial Hospital**
- **Mackinac Straits Health System, Inc.**
- **Eaton Rapids Medical Center**
- **Spectrum Health Gerber Memorial**
- **Ascension Borgess - Lee Hospital**
- **Mid Michigan Medical Center - Clare**
- **Aspirus Grand View**
- **Munson Healthcare Charlevoix Hospital**
- **Bronson Lakeview Hospital**
- **Marlette Regional Hospital**
- **Hills & Dales General Hospital**
- **Bell Hospital**
- **Mercy Health Lakeshore Campus**
- **Scheurer Hospital**
- **Caro Community Hospital**
- **McKenzie Health System**
- **Aspirus Keweenaw Hospital**
- **Spectrum United**
- **Carson City Hospital**
- **Munson Healthcare Manistique**
- **Paul Oliver Memorial Hospital**
- **Kalkaska Memorial Health Center**
- **Schoolcraft Memorial Hospital**
- **Helen Newberry Joy Hospital**
- **St. Mary’s of Michigan Standish Hospital**
- **Baraga County Memorial Hospital**
- **Aspirus Iron River Hospital and Clinics**
- **Deckerville Community Hospital**
- **Sheridan Community Hospital**
- **Harbor Beach Community Hospital and Clinics**
- **Allegan General Hospital**
- **McLaren Thumb Region Hospital**

**Benchmark Median Time**
- **Q4 2021 MICAHQN** (58.5 minutes)
- **Q4 2021 CAH National** (72 Minutes)
- **Q4 2021 CAH 90th Percentile State** (33 Minutes)
OP-5a: Median Time to ECG - Overall Rate

- Caro Community Hospital: 81.0 minutes
- Eaton Rapids Medical Center: 0.0 minutes
- Baraga County Memorial Hospital: 0.0 minutes
- Munson HealthCare Manistee Memorial Hospital: 0.0 minutes
- Kalkaska Memorial Health Center: 0.0 minutes
- Marlette Regional Hospital: 0.0 minutes
- Helen Newberry Joy Hospital - Gladwin: 0.0 minutes
- Mid Michigan Medical Center - Clare: 0.0 minutes
- Hills & Dales General Hospital: 0.0 minutes
- Deckerville Community Hospital: 0.0 minutes
- Mercy Health Lakeshore Campus: 0.0 minutes
- Paul Oliver Memorial Hospital: 0.0 minutes
- Ascension Borgess - Lee Hospital, Inc.: 0.0 minutes
- Harbor Beach Community Hospital: 0.0 minutes
- McLaren Thumb Region Hospital: 0.0 minutes
- Scheurer Hospital: 0.0 minutes
- McLaren Healthcare Charlevoix Hospital: 0.0 minutes
- Munson Healthcare Charlevoix Hospital: 0.0 minutes
- Allegan General Hospital: 0.0 minutes
- Sparrow Ionia Hospital: 0.0 minutes
- Hayes Green Beach Memorial Hospital: 0.0 minutes
- Carson City Hospital: 0.0 minutes
- Sparrow Clinton Hospital: 0.0 minutes
- Aspirus Ontonagon Hospital: 0.0 minutes
- Aspirus Keweenaw Hospital: 0.0 minutes
- Aspirus Iron River Hospital: 0.0 minutes
- Aspirus Grand View: 0.0 minutes
- Schoolcraft Memorial Hospital: 0.0 minutes
- St. Mary's of Michigan Standish Hospital: 0.0 minutes
- Munising Memorial Hospital: 0.0 minutes
- Spectrum Health Kelsey Hospital: 0.0 minutes
- Spectrum Health Reed City Hospital: 0.0 minutes
- Bronson LakeView Hospital: 0.0 minutes
- OSF St. Francis Hospital & Medical Group: 0.0 minutes
- Spectrum Health Gerber Memorial: 0.0 minutes

- Q4 2021 MICAHQ National: 9 minutes
- Q4 2017-Q3 2018 CAH National: 7 minutes
- Q4 2017-Q3 2018 CAH 90th Percentile: 3 minutes
- Q4 2017-Q3 2018 National: 7 minutes
OP-20: Door to Diagnostic Evaluation by a Qualified Medical Professional

- Paul Oliver Memorial Hospital
- McLaren Thumb Region Hospital
- Caro Community Hospital
- Hills & Dales General Hospital
- Mercy Lakehaven Health Center
- Munson Healthcare Manistee
- Marlette Regional Hospital
- Deckerville Community Hospital
- Sheridan Community Hospital
- Eaton Rapids Medical Center
- Baraga County Memorial Hospital
- Helen Newberry Joy Hospital
- Munson Healthcare Charlevoix Hospital
- Munising Memorial Hospital
- OSF St. Francis Hospital
- Schoolcraft Medical Center
- Sparrow Memorial Hospital
- Spectrum United
- St. Mary’s of Michigan Standish Hospital

Q4 2021 MICAHQN (16 minutes)
Q2 2017-Q1 2018 CAH National (16 minutes)
Q2 2017-Q1 2018 National (20 minutes)
ED-2a: Admit Decision Time to ED Departure Time for Admitted Patients - Overall Rate