<table>
<thead>
<tr>
<th>Data Element</th>
<th>Mandatory for MN CAH</th>
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<th>Frequency</th>
<th>Data Source</th>
<th>Measure Descriptions *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient falls</td>
<td>MHA</td>
<td>0141</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patient falls per 1000 patient days</td>
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<tr>
<td>Patient falls with injury</td>
<td>MHA</td>
<td>0202</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patient falls with injury per 1000 patient days</td>
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<tr>
<td>Hospital-acquired pressure ulcers</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patients with hospital acquired pressure ulcer, stage II - unstageable per 1000 patient days</td>
<td></td>
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<tr>
<td>Catheter-associated urinary tract infections (CAUTI)</td>
<td>Yes</td>
<td>0138</td>
<td>NHSN Monthly</td>
<td>MHA NHSN reports</td>
<td>Number of confirmed CAUTI that occur after admission per 1000 catheter days</td>
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<tr>
<td>Central line-associated blood stream infections (CLABSI)</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of confirmed CLABSI that occur after admission per 1000 patient days</td>
<td></td>
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<tr>
<td>Surgical site infections (SSI)</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patients with all SSI per 1000 surgeries performed in the OR involving a skin incision or Number of patients with all SSI per 1000 patient days</td>
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<tr>
<td>Ventilator-associated events (VAE)</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patients on ventilators that develop pneumonia per 1000 patient days</td>
<td></td>
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<tr>
<td>Clostridium difficile infection (CDI)</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Lab identified hospital-onset C. difficile infections per 1000 patient days</td>
<td></td>
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<tr>
<td>ADE - anticoagulants</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patients with one or more INR readings &gt; 5 during their hospital stay per 1000 patient days</td>
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<tr>
<td>ADE - hypoglycemic agents</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patients with one or more blood sugar readings &lt; 40 during their hospital stay per 1000 patient days</td>
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<tr>
<td>ADE - opioids</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of patients with one or more administrations of naloxone during their hospital stay per 1000 patient days</td>
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<td>PC-01 Early Elective Deliveries</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0469</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of newborns with early elective delivery week 37 - 39</td>
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<tr>
<td>PSI 17 Birth Trauma Rate – Injury to Neonate</td>
<td>yes</td>
<td>Stratis Health</td>
<td>0229</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Percent of newborns with birth trauma per designated ICD-9/10 codes</td>
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<tr>
<td>PSI 18 Obstetric Trauma Rate – Vaginal Delivery with instrument</td>
<td>MHA</td>
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<td>MHA</td>
<td>Claims data</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of third and fourth degree obstetric traumas per 1,000 vaginal deliveries</td>
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<tr>
<td>PSI 19 Obstetric Trauma Rate-Vaginal Delivery without Instrument</td>
<td>MHA</td>
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<td>MHA</td>
<td>Claims data</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of third and fourth degree obstetric traumas per 1,000 vaginal deliveries, excluding cases without instrument assisted delivery</td>
</tr>
<tr>
<td>Perinatal safety - hypertension treatment</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Percent of birthings women with hypertensive disorders receiving antihypertensive medication within 60 minutes of confirmed hypertension (systolic BP ≥ 160 or diastolic BP ≥ 110)</td>
<td></td>
</tr>
<tr>
<td>Perinatal safety - maternal hemorrhage</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of women who received ≥ 4 units of red blood cells per 100 women delivering in hospital</td>
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<tr>
<td>Sepsis mortality</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of septic patients with discharge status: Expired per 100 patients with sepsis per ICD-9/10</td>
<td></td>
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<tr>
<td>Sepsis - lactate/blood culture ratio</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Number of lab orders for lactic acid for all inpatients and outpatients per number of lab orders for blood cultures for all inpatients and outpatients</td>
<td></td>
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<tr>
<td>Delirium - medications</td>
<td>MHA</td>
<td></td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Percent of patients, age 70+, administered at least one dose of either benzodiazepines or antihistamines during their hospital stay</td>
<td></td>
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<tr>
<td>Readmissions – Medicare readmissions report, MHA all payer PPR data</td>
<td>MHA</td>
<td></td>
<td>MHA</td>
<td>Claims data</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>Rate of unplanned readmission after discharge from hospital (hospital-wide)</td>
</tr>
<tr>
<td>Readmissions – hospital 30 day readmissions for heart failure</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0229</td>
<td>Claims data</td>
<td>Annually</td>
<td>CMS reports</td>
<td>Rate of unplanned readmission for heart failure patients</td>
</tr>
<tr>
<td>Readmissions – hospital 30 day readmissions for pneumonia</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0468</td>
<td>Claims data</td>
<td>Annually</td>
<td>CMS reports</td>
<td>Rate of unplanned readmission for pneumonia patients</td>
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<tr>
<td>Readmissions – hospital 30 day readmissions for COPD</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>1891</td>
<td>Claims data</td>
<td>Annually</td>
<td>CMS reports</td>
<td>Rate of unplanned readmission for chronic obstructive pulmonary disease (COPD) patients</td>
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<tr>
<td>EDTC - 1 administrative communication</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary administrative communication with the receiving facility</td>
</tr>
<tr>
<td>EDTC - 2 patient information</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary patient information communication with the receiving facility</td>
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<tr>
<td>EDTC - 3 vital signs</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary vital signs communication with the receiving facility</td>
</tr>
<tr>
<td>EDTC - 4 medication information</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary medication information communication with the receiving facility</td>
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<tr>
<td>EDTC - 5 physician or practitioner generated information</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary physician or practitioner generated information communication with the receiving facility</td>
</tr>
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<tr>
<td>EDTC - 6 nurse generated information</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary nurse generated information communication with the receiving facility</td>
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<tr>
<td>EDTC - 7 procedures and tests</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all necessary procedures and tests communication with the receiving facility</td>
</tr>
<tr>
<td>EDTC - 8 all EDTC components</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0291</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>Flex Coordinator report</td>
<td>Percent of patients who are transferred from an ED to another health care facility that have all EDTC components communicated with the receiving facility</td>
</tr>
<tr>
<td>HCAHPS communication with doctors</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that their doctors “Always” communicated well</td>
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<tr>
<td>HCAHPS communication with nurses</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that their nurses “Always” communicated well</td>
</tr>
<tr>
<td>HCAHPS responsiveness of hospital staff</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that they “Always” received help as soon as they wanted</td>
</tr>
<tr>
<td>HCAHPS pain management</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that their pain was “Always” well controlled</td>
</tr>
<tr>
<td>HCAHPS communication about medications</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that staff “Always” explained new medications before giving it to them</td>
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<tr>
<td>HCAHPS discharge information</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that YES, they were given information about what to do during their recovery at home</td>
</tr>
<tr>
<td>HCAHPS cleanliness of the hospital environment</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that their room and bathroom were “Always” clean</td>
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<tr>
<td>HCAHPS quietness of the hospital environment</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who reported that the area around their room was “Always” quiet at night</td>
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<tr>
<td>HCAHPS transition of care</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0166</td>
<td>HCAHPS vendor</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of patients who “Strongly Agree” they understood their care when they left the hospital</td>
</tr>
<tr>
<td>HCAHPS overall ratings</td>
<td>Yes</td>
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<tr>
<td>HCAHPS willingness to recommend</td>
<td>Yes</td>
<td></td>
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<tr>
<td>IMM 2 Patient Influenza immunizations</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>1659</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of inpatients assessed and given influenza vaccination</td>
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<tr>
<td>ED 1 Median time from ED arrival to ED departure for admitted ED patients</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0495</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS reports</td>
<td>Median time from emergency department arrival to time of departure from the emergency room for patients admitted to the facility from the emergency department.</td>
</tr>
<tr>
<td>ED 2 Admit decision time to ED departure time for admitted ED patients</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0497</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS reports</td>
<td>Median time from admit decision time to time of departure from the emergency department for admitted patients.</td>
</tr>
<tr>
<td>DP 1 Median time to fibrinolysis</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0287</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Median time from ED arrival to administration of fibrinolytic therapy in patients with STEMI on the ECG performed closest to ED arrival and prior to transfer.</td>
</tr>
<tr>
<td>DP 2 Fibrinolytic therapy received with 30 minutes</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0288</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of outpatients with chest pain or possible heart attack who got drugs to break up blood clots within 30 minutes of arrival.</td>
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<tr>
<td>DP 3 Median time to transfer to another facility for acute coronary intervention</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0290</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Median time before outpatients with chest pain or possible heart attack who needed specialized care were transferred to another hospital.</td>
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<tr>
<td>DP 4 Aspirin at arrival</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0286</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS reports</td>
<td>Percent of ED AMI patients or chest pain patients (with Probable Cardiac Chest Pain) who received aspirin within 24 hours before ED arrival or prior to transfer.</td>
</tr>
<tr>
<td>DP 5 Median time to ECG</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0289</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Median time before outpatients with chest pain or possible heart attack got an ECG.</td>
</tr>
<tr>
<td>DP 18 Median time ED arrival to ED departure, discharged ED patients</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0496</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Median time from ED arrival to time of departure from the emergency room for patients discharged from the ED.</td>
</tr>
<tr>
<td>DP 20 Door to diagnostic evaluation by a qualified professional</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0498</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Median time patients spent in the emergency department before they were seen by a healthcare professional.</td>
</tr>
<tr>
<td>DP 21 Median time to pain management for long bone fracture</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0662</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Median time patients who came to the emergency department with broken bones had to wait before receiving pain medication.</td>
</tr>
<tr>
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<tr>
<td>OP 22 Patient left without being seen</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0409</td>
<td>Quality Net</td>
<td>Annually</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of ED patients who left without being seen by QMP</td>
</tr>
<tr>
<td>OP 23 ED head CT scan interpretation for acute ischemic stroke or hemorrhagic stroke within 45 minutes of arrival</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0661</td>
<td>Quality Net/CART</td>
<td>Quarterly</td>
<td>HC, CMS, MBQIP reports</td>
<td>Percent of Emergency Department (ED) Acute Ischemic Stroke or Hemorrhagic Stroke patients who arrive at the ED within 2 hours of the onset of symptoms who have a head CT or MRI scan performed during the stay and having a time from ED arrival to interpretation of the Head CT or MRI scan within 45 minutes of arrival.</td>
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<tr>
<td>OP 25 SAFE surgery checklist</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>Quality Net</td>
<td>Annually</td>
<td>HC, CMS, MBQIP reports</td>
<td>Use of a Safe Surgery Checklist for surgical procedures that includes safe surgery practices during each of the three critical perioperative periods: the period prior to the administration of anesthesia, the period prior to skin incision, and the period of closure of incision and prior to the patient leaving the operating room.</td>
<td></td>
</tr>
<tr>
<td>HCP/OP27 Influenza vaccination coverage among health care personnel</td>
<td>Yes</td>
<td>Stratis Health</td>
<td>0431</td>
<td>NHSN</td>
<td>Annually</td>
<td>HC, CMS, MBQIP reports (Stratis Health)</td>
<td>Percent of health care workers given influenza vaccination</td>
</tr>
<tr>
<td>Stroke - Door-to-Imaging Initiated Time</td>
<td>Yes</td>
<td>MN Stroke Registry</td>
<td>MN Stroke Registry</td>
<td>Quarterly</td>
<td>MN Stroke Registry Report</td>
<td>Percent of Emergency Department (ED) Acute Ischemic Stroke or Hemorrhagic Stroke patients who arrive at the ED within 2 hours of the onset of symptoms who have a head CT or MRI scan performed during the stay and having a time from ED arrival to initiation of Head CT or MRI scan within 25 minutes</td>
<td></td>
</tr>
<tr>
<td>Stroke - Time to Intravenous Thrombolytic Therapy</td>
<td>Yes</td>
<td>MN Stroke Registry</td>
<td>MN Stroke Registry</td>
<td>Quarterly</td>
<td>MN Stroke Registry Report</td>
<td>Percent of Emergency Department (ED) Acute Ischemic Stroke or Hemorrhagic Stroke patients who arrive at the ED within 2 hours of the onset of symptoms who have intravenous tissue plasminogen activator (tPA) therapy administered and having a time from ED arrival to tPA administration</td>
<td></td>
</tr>
<tr>
<td>SAFER Care or individual patient safety topic road map implementation</td>
<td>MHA</td>
<td>MHA portal</td>
<td>Quarterly</td>
<td>MHA reports</td>
<td>MHA reports</td>
<td>SAFER Care or individual patient safety topic road map implementation</td>
<td>Percent of SAFER Care or individual patient safety topic road map implementation</td>
</tr>
</tbody>
</table>

* It is possible that measure descriptions will change to reflect updated CMS, MBQIP, SQRMS, or MHA measurement strategies