

## Maternal Data Center (MDC) Measure List August 2024

Most *Maternal Data Center (MDC)* measures are “auto-calculated” based on the MDC’s automated linkage of two core data sets: Patient Discharge Data (PDD) and Birth Certificate data. Some measures require *supplemental* clinical data that are **optional** for MDC participating hospitals<sup>1</sup>. All measures are calculated at each of the following levels: hospital, system, nursery, delivery volume category, county, region, and state to support benchmarking. Several measures are also stratified by relevant sub-groups to support identification of QI opportunities<sup>2</sup>. Measures can be calculated at the individual provider level.

Clinical Quality Measures (Auto-Calculated)	
3rd & 4th Degree Laceration - All Vaginal Deliveries (AHRQ PSI 18 & 19)	Operative Vaginal Delivery Rate
Birth Trauma - Injury to Neonate (AHRQ PSI 17)	Severe Maternal Morbidity (SMM): Overall and Excluding Transfusions (CDC) <sup>2</sup>
Cesarean Birth: NTSV - Nulliparous, Term, Singleton, Vertex (PC-02, LF) <sup>2</sup>	SMM Risk Adjusted 2.0 (Inc. and Excl. Transfusions)
Cesarean Birth: Primary, Term, Singleton, Vertex (AHRQ IQI 33)	SMM Among Hemorrhage Cases (Inc. and Excl. Transfusions) (AIM)
Cesarean Birth: Term, Singleton, Vertex (AHRQ IQI 21)	SMM Among Preeclampsia Cases (Inc. and Excl. Transfusions) (AIM)
Cesarean Birth: Overall	SMM Among Those with a PMHC (Inc. and Excl. Transfusions) (AIM)
Cesarean Birth: Primary	SMM Among Those with Cardiac Conditions (Inc. and Excl. Transfusions) (AIM)
Cesarean Birth After Forceps or Vacuum Use	SMM Among Those with SUDs (Inc. and Excl. Transfusions) (AIM)
Cesarean Birth After Labor Induction (All, Nulliparous, Multiparous) <sup>2</sup>	Severe Obstetric Complications: Chart Abstracted Measure (CAM) Proxy for PC-07 (Inc. and Excl. Transfusions)
Cesarean Birth After Labor Induction: NTSV Cases (AIM)	Unexpected Newborn Complications (PC-06) (Overall, Moderate, Severe) <sup>2</sup>
NTSV Cesarean Birth Rate Among Those with Cardiac Conditions (AIM)	Vaginal Birth After Cesarean (VBAC) Rate (AHRQ IQI 22 & 34)
Chorioamnionitis Among Maternal Cases, Among Newborn Cases	VBAC Attempt Proxy Rate
COVID-19 Positivity Among Maternal Cases	VBAC Success Proxy Rate
Episiotomy Rate (NQF, LF)	VLBW (<1500g) Not Delivered at Level III NICU (NQF)
Induction Rate	

Clinical Quality Measures (Requiring Supplemental Data) <sup>1</sup>	
Anemia on Admission	Timely Treatment for Severe Hypertension (AIM)
Antenatal Steroids (PC-03)	Perinatal Mental Health Patient Education (AIM)
Early Elective Delivery (PC-01, ePC-01) <sup>2</sup>	Perinatal Mental Health Treatment/Referral
Exclusive Human Milk Feeding (PC-05, ePC-05)	Preeclampsia: ICU Admission Rate and ICU Days per 100
Modified Exclusive Breast Milk Feeding (Preterm, non-NICU Term) <sup>2</sup>	Quantified Blood Loss (Cumulative Value and Performed Y/N)
Any Breast Milk Feeding <sup>2</sup>	Severe Maternal Morbidity Case Reviews <sup>2</sup>
Breastfeeding in the First Two Hours of Life in non-NICU Infants (Term, All) <sup>2</sup>	Severe Obstetric Complications (ePC-07)
Donor Milk Feeding	Social and Structural Drivers of Health (SSDOH) Screening (AIM)
Skin-to-Skin at Delivery	Standardized Pregnancy Risk Assessments for Those with Cardiac Conditions (AIM)
Skin-to-Skin for at Least One Hour	Substance Use Disorder (SUD) Screening (AIM)
Care Settings Represented in Discharge Transition Learning Experiences (AIM)	Medication for Opioid Use Disorder (MOUD) Among Those with OUD (AIM)
Inpatient-Outpatient Discharge Transition Learning Experiences (AIM)	MOUD Counseling Among Those with OUD (AIM)
CCHD - Pulse Oximetry: Percent Not Screened (CCS)	Naloxone Among Those with SUDs (AIM)
Consistency with Guidelines for Abnormal/Indeterminate FHR NTSV Cases	Naloxone Counseling Among Those with SUDs (AIM)
Consistency with Guidelines for Induced NTSV Cases	Newborn Cases Exposed to Substances in Utero Discharged to Either Birth Parent (AIM)
Consistency with Guidelines for Spontaneous Labor NTSV Cases	Recovery Treatment Services Among Those with SUDs (AIM)
Doula Support in Labor	Recovery Treatment Services Counseling Among Those with SUDs (AIM)
DVT Prophylaxis in Women Undergoing Cesarean Section (LF)	Transfusions Excluding Accreta Cases: RBC, All, Massive

<sup>1</sup>Measures requiring supplemental data may not have robust state or regional-level comparison benchmarks (as not all MDC hospitals submit the supplemental data)

<sup>2</sup>MDC auto-calculates additional stratifications and/or applies risk adjustment to support identification of QI opportunities

Hemorrhage Risk Assessment on Admission (AIM)	Transfusions: RBC, All, Massive
ICU Admissions	Unexpected Newborn Complications (ePC-06)
Low-Dose Aspirin (LDA) Usage Among Those at Risk for Preeclampsia <sup>2</sup>	Provider and Nurse Respectful and Equitable Care Education (AIM)
Multidisciplinary Care Plan for Those with Cardiac Conditions (AIM)	Provider and Nurse Hemorrhage Education (AIM)
Multidisciplinary Case Review for Those with Sepsis	Provider and Nurse Labor Management Education (AIM)
Newborn Bilirubin Screening Prior to Discharge (LF)	Provider and Nurse Life-Threatening Postpartum Concerns Education (AIM)
NICU Admission Among Inborns	Provider and Nurse Obstetric Sepsis Education (AIM)
Non-Medically Indicated Inductions	Provider and Nurse Perinatal Mental Health Conditions Education (AIM)
Patient Education: Life-Threatening Postpartum Concerns (AIM)	Provider and Nurse SUD Education (AIM)
Postpartum Follow-up Among Hypertension Cases (Non-Severe, Severe) (AIM)	Provider, Nurse, and ED Staff Cardiac Conditions Education (AIM)
Postpartum Visit Scheduling (AIM)	Provider, Nurse, and ED Staff Hypertension/Preeclampsia Education (AIM)
Patient Support After Persistent Severe Hypertension (AIM)	

Statistics (Auto-Calculated)	
<2500g Rate (NQF 1382)	Postpartum Length of Stay (Vaginal & Cesarean Birth)
5 Minute APGAR <7	Pre-Pregnancy BMI
Birth Weight Distributions	Preeclampsia Rate: Overall and Among Those at Risk for Preeclampsia
Certified Nurse Midwife (CNM) Delivery Rate	Preferred Language Spoken <sup>2</sup>
Congenital Syphilis	Premature Rupture of Membranes (PROM)
Delivery BMI	Prenatal Care: Month Prenatal Care Began
Diabetes	Prenatal Care: Number of Prenatal Visits
End-Organ Injury Among Sepsis Cases	Preterm Birth Among Those at Risk for Preeclampsia
Fetal Presentation	Preterm Birth Rate Among Those with Cardiac Conditions (AIM)
Gestational Age Distributions (Overall, Twin)	Preterm Preeclampsia Rate
Hemorrhage	Race & Ethnicity Distributions
Hypertension	Sepsis
Late Preterm Birth Rate	Shoulder Dystocia
Maternal Age Distributions	Stillbirth
Maternal Cases Not Discharged Home	Substance Use Disorders (SUDs) Among Pregnant and Postpartum People (AIM)
Method of Delivery	Syphilis in Pregnancy Among Birthing People
Multiple Gestation	Syphilis Screening in Pregnancy
Newborn Cases Not Discharged Home	Total Birth Count
Newborn Drug Withdrawal and Exposure <sup>2</sup>	Total Deliveries
Number of Prior Births	Total Length of Stay (Vaginal & Cesarean Birth)
Outcome of Delivery	Total Preterm Birth Rate
Payer Category Distributions	Transfer from Non-Hospital Birth Setting
Perinatal Mental Health Conditions (AIM) <sup>2</sup>	

### Acronyms

PC: The Joint Commission Perinatal Care Measure Set

AIM: Alliance For Innovation On Maternal Health

AHRQ IQI: Agency for HealthCare Research and Quality Inpatient Quality Indicator

AHRQ PSI: Agency for HealthCare Research and Quality Patient Safety Indicator

CCS: California Children's Services

CDC: Centers for Disease Control and Prevention

LF: Leapfrog

NQF: National Quality Forum

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