

Maternal Data Center (MDC) Measure List January 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.¹ 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 calculated at the individual provider level² or are stratified by relevant sub-groups to support identification of QI opportunities³.

Clinical Quality Measures (Auto-Calculated)	
3rd/4th Laceration-All Vaginal Deliveries (AHRQ PSI 18 & 19) ²	
Birth Trauma - Injury to Neonate (AHRQ PSI 17)	
Cesarean Birth: Nulliparous, Term, Singleton, Vertex (PC-02, LF) ^{2,3}	
Cesarean Birth: Term, Singleton, Vertex (AHRQ IQI 21)	
Cesarean Birth: Overall ²	
Cesarean Birth: Primary ²	
Cesarean Birth: Primary, Term, Singleton, Vertex (AHRQ IQI 33)	
Cesareans After Labor Induction (Multip vs. Nullip) ^{2,3}	
Cesareans after Forceps or Vacuum Use	
Chorioamnionitis among Maternal Cases, among Newborn Cases	
COVID-19 Positivity among Maternal Cases	
Episiotomy Rate (NQF, LF) ²	
Induction Rate ²	
Operative Vaginal Delivery Rate ²	
Severe Maternal Morbidity: Overall and Excluding Transfusions (CDC) ³	
Severe Maternal Morbidity Among Hemorrhage Cases (Inc. and Excl. Transfusions)	
Severe Maternal Morbidity Among Preeclampsia Cases (Inc. and Excl. Transfusions)	
Severe Obstetric Complications: Chart Abstracted Measure (CAM) Proxy for PC-07	
Unexpected Newborn Complications (PC-06) (Overall, Moderate & Severe) ³	
Vaginal Birth After Cesarean (VBAC), (AHRQ IQI 22) ²	
VLBW (<1500g) NOT delivered at a Level III NICU (NQF)	

¹Measures requiring supplemental data will not have robust state or regional-level comparison benchmarks (as not all MDC hospitals submit the supplemental data)

²Provider-Level Metrics Available

³MDC auto-calculates additional stratifications and/or applies risk adjustment to support identification of QI opportunities

Clinical Quality Measures Requiring Supplemental Data ¹	
Anemia on Admission	Low-Dose Aspirin Usage Among Those at Risk of Preeclampsia
Antenatal Steroids (PC-03)	Newborn Bilirubin Screening Prior to Discharge (LF)
CCHD – Pulse Oximetry Screening (CCS)	NICU Admission among Inborns
Cesarean Birth: Nulliparous, Term, Singleton, Vertex (ePC-02)	Non-Medically Indicated Inductions
DVT Prophylaxis in Women Undergoing C-Section (LF)	Perinatal Mental Health Treatment/Referral
Early Elective Delivery (PC-01, ePC-01, CMS IQR, LF) ^{2,3}	Preeclampsia: ICU Admission Rate and ICU Days per 100 Cases
Exclusive Breast Milk Feeding (PC-05, ePC-05)	Quantified Blood Loss (Cumulative Value and Performed Y/N)
Modified Exclusive Breast Milk Feeding ³	Severe Maternal Morbidity Case Reviews ³
Any Breast Milk Feeding ³	Severe Obstetric Complications (ePC-07)
Breastfeeding in First Hour of Life ³	Timely Treatment for Severe HTN (AIM)
Skin-to-Skin at Delivery	Transfusions: RBC, All, Massive
Donor Milk Feeding	Transfusions Excluding Accreta Cases: RBC, All, Massive
Hemorrhage Risk Assessment on Admission	Unexpected Newborn Complications (ePC-06)
ICU Admissions	

Statistics – All Auto-Calculated	
<2500g Rate (NQF 1382)	Payer Category Distributions
5 Minute APGAR <7	Perinatal Mental Health Conditions
Birth Weight Distributions	Postpartum Length of Stay – Vaginal & Cesarean
Certified Nurse Midwives (CNM) Delivery Rate	Preeclampsia Rate: Overall and Among Those at Risk for Preeclampsia
Cesarean Deliveries with Postpartum Length of Stay (LOS) ≥ 6 days	Preterm Birth Among Those at Risk for Preeclampsia
Congenital Syphilis	Preterm Preeclampsia Rate
Delivery BMI	Pre-Pregnancy BMI
Diabetes	Premature Rupture of Membranes (PROM)
End-Organ Injury Among Sepsis Cases	Prenatal Care: Month Prenatal Care Began
Fetal Presentation	Prenatal Care: Number of Prenatal Visits
Gestational Age Distributions (Overall, Twins)	Race-Ethnicity Distributions
Hemorrhage	Sepsis
Hypertension	Shoulder Dystocia
Late Preterm Birth Rate	Stillbirth
Maternal Age Distributions	Syphilis in Pregnancy Among Birthing People
Maternal Cases Not Discharged Home	Syphilis Screening in Pregnancy
Method of Delivery	Total Birth Count
Multiple Gestation	Total Deliveries
Newborn Cases Not Discharged Home	Total Length of Stay – Vaginal & Cesarean
Newborn Drug Withdrawal and Exposure	Total Preterm Birth Rate
Number of Prior Births	Transfer from Non-Hospital Birth Setting
Outcome of Delivery	Vaginal Deliveries with Postpartum LOS ≥4 Days

Acronyms

PC: Joint Commission Perinatal Care Measure Set

CMS IQR: CMS Inpatient Quality Reporting Program

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

LF: Leapfrog Group

NQF: National Quality Forum