

Severe Hypertension (HTN)/Preeclampsia

Outcomes Measures (O): State	Report quarterly (HIDI will pull from claims)
O1: Severe Maternal Morbidity	Universal AIM Data Measure (HIDI will pull from claims)
O2: Severe Maternal Morbidity (excluding transfusions)	Universal AIM Data Measure (HIDI will pull from claims)
O3: Severe Maternal Morbidity Among Preeclampsia Cases (HIDI will pull from claims)	<p>Numerator: Cases with a SMM code</p> <p>Denominator: All mothers during their birth admission, exclude ectopics and miscarriages, with one of the following codes:</p> <ul style="list-style-type: none"> • Severe Preeclampsia 642.5x • Eclampsia 642.6x • Preeclampsia superimposed on pre-existing hypertension 642.7x
O4: Severe Maternal Morbidity (excluding transfusion) Among Preeclampsia Cases (HIDI will pull from claims)	<p>Numerator: Cases with a SMM code, exclude transfusions (99.x)</p> <p>Denominator: All mothers during their birth admission, exclude ectopics and miscarriages, with one of the following codes:</p> <ul style="list-style-type: none"> • Severe Preeclampsia 642.5x • Eclampsia 642.6x • Preeclampsia superimposed on pre-existing hypertension 642.7x
Process Measures (P): Birth Facility, ED, Provider Clinic as applicable	Report quarterly via survey link that MHA will send to you
P1: Unit Drills	Universal AIM Data Measure
P2: Provider Education	<p>What cumulative proportion of obstetric physicians and midwives have completed an education program on Preeclampsia (within the last 2 years) that includes teaching on the Severe HTN/Preeclampsia bundle and the unit-standard protocol?</p> <p style="text-align: center;">Report estimate in 10% increments</p>
P3: Nursing Education	<p>What cumulative proportion of OB nurses have completed education on Severe HTN/Preeclampsia (within the last 2 years) that includes teaching on the Severe HTN/Preeclampsia bundle and the unit-standard protocol?</p> <p style="text-align: center;">Report estimate in 10% increments</p>
MOP5: % of patients with a diagnosis of hypertension, preeclampsia or eclampsia that were scheduled for a follow-up visit within 7-14 days of discharge. (birthing hospitals and EDs)	Goal is 100%
MOP6: % of patients with a diagnosis of hypertension, preeclampsia or eclampsia that adhered to the follow-up visit within 7-14 days of discharge. (provider clinics)	Goal is 100%
Process Measures (P): Birth facility or ED	Report Monthly into HIDI Quality Collections portal
P4: Treatment of Severe HTN	<p>Numerator: Proportion of women with persistent new-onset severe HTN (Systolic: >160 or Diastolic: >110) who were treated within 1 hour (excludes women with an exacerbation of chronic HTN)</p> <p>Denominator: Use at least two systems for identification of denominator cases. Treatment may include IV Labetalol, IV Hydralazine, or PO Nifedipine.</p> <p style="text-align: center;">Report N/D</p>
Structure Measures (S): Birth Facility	Report ONCE
S1: Patient, Family, Staff Support	Universal AIM Data Measure – reported via quarterly survey
S2: Debriefs	Universal AIM Data Measure – reported via quarterly survey

AIM Data Reporting Measures v1.5

S3: Multidisciplinary Case Reviews	Universal AIM Data Measure – reported via quarterly survey
S4: Unit Policy and Procedure	Does your hospital have an up-to-date Severe HTN/Preeclampsia policy and procedure (reviewed and updated in the last 2-3 years) that provides a unit-standard approach to measuring blood pressure, treatment of Severe HTN/Preeclampsia, administration of Magnesium Sulfate, and treatment of Magnesium Sulfate overdose?
	Report completion date
S5: EHR Integration	Were the recommended Severe HTN/Preeclampsia bundle processes (i.e. order sets, tracking tools) integrated into your hospital’s Electronic Health Record system?
	Report completion date

Severe Maternal Morbidity (SMM) Codes by Categories

SMM Indicator	ICD-9-CM Codes (2015 CDC Code List to States)	Type
1. Acute myocardial infarction	410.xx	Diagnosis
2. Acute renal failure	584.x, 669.3x <i>Note: 277.8 Tumor lysis syndrome is in the CDC SAS code, but not on the CDC website (Possible typo)</i>	Diagnosis
3. Adult respiratory distress syndrome	518.5, 518.81, 518.82, 518.84, 799.1	Diagnosis
4. Amniotic fluid embolism	673.1x	Diagnosis
5. Aneurysm	441.xx	Diagnosis
6. Cardiac arrest/Ventricular fibrillation	427.41, 427.42, 427.5	Diagnosis
7. Disseminated intravascular coagulation	286.6, 286.9, 666.3x	Diagnosis
8. Eclampsia	642.6x	Diagnosis
9. Heart failure during procedure or surgery	669.4x, 997.1	Diagnosis
10. Internal injuries of thorax, abdomen, and pelvis	860.xx-869.xx	Diagnosis
11. Intracranial injuries	800.xx, 801.xx, 803.xx, 804.xx, 851.xx-854.xx	Diagnosis
12. Puerperal cerebrovascular disorders	430, 431, 432.x, 433.xx, 434.xx, 436, 437.x, 671.5x, 674.0x, 997.2, 999.2	Diagnosis
13. Pulmonary edema	428.1, 518.4	Diagnosis
14. Severe anesthesia complications	668.0x, 668.1x, 668.2x	Diagnosis
15. Sepsis	038.xx, 995.91, 995.92, 670.2 <i>Note: 670.2 is not on CDC website, but it is in the CDC SAS code</i>	Diagnosis
16. Shock	669.1x, 785.5x, 995.0, 995.4, 998.0	Diagnosis
17. Sickle cell anemia with crisis	282.62, 282.64, 282.69	Diagnosis
18. Thrombotic embolism	415.1x, 673.0x, 673.2x, 673.3x, 673.8x	Diagnosis
19. Blood transfusion	99.0x	Procedure
20. Cardio monitoring	89.6x	Procedure
21. Conversion of cardiac rhythm	99.6x	Procedure
22. Hysterectomy	68.3x-68.9	Procedure
23. Operations on heart and pericardium	35.xx, 36.xx, 37.xx, 39.xx	Procedure
24. Temporary tracheostomy	31.1	Procedure
25. Ventilation	93.90, 96.01-96.05, 96.7x	Procedure