### Outcome

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<th>Metric</th>
<th>Name</th>
<th>Description</th>
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</table>
| O1     | Severe Maternal Morbidity (excluding transfusion codes alone) | Report N/D  
**Denominator:** All qualifying pregnant and postpartum people during their birth admission  
**Numerator:** Among the denominator, those who experienced severe maternal morbidity, excluding those who experienced transfusion alone | Disaggregate by race and ethnicity, payor |
| O2     | Severe Maternal Morbidity among People who Experienced an Obstetric Hemorrhage (excluding transfusion codes alone) | Report N/D  
**Denominator:** All qualifying pregnant and postpartum people during their birth admission who experienced an obstetric hemorrhage  
**Numerator:** Among the denominator, those who experienced severe maternal morbidity, excluding those who experienced transfusion alone | Disaggregate by race and ethnicity, payor |

### Process

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| P1     | Hemorrhage Risk Assessment | Report N/D  
Sample patient charts or report for all patients; report N/D  
**Denominator:** All birth admissions, whether from sample or entire population  
**Numerator:** Number of birth admissions that had a hemorrhage risk assessment completed with risk level assigned, performed at least once between admission and birth | Disaggregate by race and ethnicity, payor |
| P2     | Quantified Blood Loss | Report N/D  
Sample patient charts or report for all patients; report N/D  
**Denominator:** All birth admissions, whether from sample or entire population  
**Numerator:** Number of birth admissions that had measurement of blood loss from birth through the recovery period using quantitative and cumulative techniques | • Disaggregate by race and ethnicity, payor  
• Pair with S7 |
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| P3     | P3A: Patient Support After Obstetric Hemorrhage | **Report N/D**  
**Denominator:** Pregnant and postpartum people with ≥ 1,000 ml blood loss during the birth admission  
**Numerator:** Among the denominator, those who received a verbal briefing on their obstetric hemorrhage by their care team before discharge | • Disaggregate by race and ethnicity, payor  
• The denominator criteria are established for the purposes of standardized data collection and reporting and are not meant to represent all instances in which a verbal briefing with a patient may be appropriate  
• A verbal briefing for support should include elements such as those described in the CMQCC publication *Improving Health Care Response to Obstetric Hemorrhage (version 3.0)* on pages 146-162 |
| P4     | OB Provider Education | **P4A: Provider education on obstetric hemorrhage**  
**Report estimate in 10% increments (round up)**  
At the end of this reporting period, what cumulative proportion of OB physicians and midwives has completed within the last 2 years an education program on Obstetric Hemorrhage that includes the unit-standard protocols and measures?  
**P4B: Provider education on respectful and equitable care**  
**Report estimate in 10% increments (round up)**  
At the end of this reporting period, what cumulative proportion of OB physicians and midwives has completed within the last 2 years an education program on respectful and equitable care? | |
| P5     | OB Nursing Education | **P5A: Nursing education on obstetric hemorrhage**  
**Report estimate in 10% increments (round up)**  
At the end of this reporting period, what cumulative proportion of OB nurses (including L&D and Postpartum) has completed within the last 2 years an education program on Obstetric Hemorrhage that includes the unit-standard protocols and measures?  
**P5B: Nursing education on respectful and equitable care**  
**Report estimate in 10% increments (round up)**  
At the end of this reporting period, what cumulative proportion of OB nursing staff (including L&D and Postpartum) has completed within the last 2 years an education program on respectful and equitable care? | |
### P6 Unit Drills

**Report # of drills and the drill topics**

**P6A:** 
*Report integer*
In this quarter, how many OB drills (In Situ and/or Sim Lab) were performed on your unit for any maternal safety topic?

**P6B:** 
*Report TRUE/FALSE for the following options: Hemorrhage, Hypertension, Other*
In this quarter, what topics were covered in the OB drills?

### Structure

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| S1     | Patient Event Debriefs       | Has your department established a standardized process to conduct debriefs with patients after a severe event?                                                                                                                                                                                                                          | • Include patient support networks during patient event debriefs, as requested  
• Severe events may include The Joint Commission sentinel event definition, severe maternal morbidity, or fetal death                                                                                     |
| S2     | Clinical Team Debriefs       | Has your department established a system to perform regular formal debriefs with the clinical team after cases with major complications?                                                                                                                                                                                                 | Major complications will be defined by each facility based on volume, with a minimum being The Joint Commission Severe Maternal Morbidity Criteria                                                                                   |
| S3     | Multidisciplinary Case Reviews | Has your hospital established a process to perform multidisciplinary systems-level reviews on cases of severe maternal morbidity (including, at a minimum, birthing patients admitted to the ICU or receiving ≥ 4 units RBC transfusions)? |                                                                                                                                                                                                              |
| S4     | Hemorrhage Cart              | Does your hospital have obstetric hemorrhage supplies readily available in a cart or mobile box?                                                                                                                                                                                                                                          |                                                                                                                                                                                                              |
| S5     | Unit Policies & Procedures   | Does your hospital have obstetric hemorrhage policies and procedures (reviewed and updated in the last 2 years) that contain the following:  
• S5A: An obstetric rapid response team appropriate to the facility's Maternal Level of Care  
• S5B: A standardized, stage based, obstetric hemorrhage emergency management plan with checklists and escalation policy  
• S5C: Emergency release and massive transfusions protocols  
• S5D: A protocol for patients who decline blood products but may accept alternative approaches |                                                                                                                                                                                                              |
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<tbody>
<tr>
<td>S6</td>
<td>Patient Education Materials on Urgent Postpartum Warning Signs</td>
<td>Has your department developed/curated patient education materials on urgent postpartum warning signs that align with culturally and linguistically appropriate standards?</td>
<td></td>
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<tr>
<td>S7</td>
<td>Quantitative Blood Loss</td>
<td>Does your facility have the resources and supplies readily available to quantify cumulative blood loss for both vaginal and cesarean births?</td>
<td></td>
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</tbody>
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## AIM Obstetric Hemorrhage ICD10 Codes List

<table>
<thead>
<tr>
<th>Variable</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Previa</td>
<td>O4410, O4412, O4413, O4430, O4432, O4433, O4450, O4452, O4453</td>
</tr>
<tr>
<td>Abruption</td>
<td>O45002, O45003, O45009, O45012, O45013, O45019, O45022, O45023, O45029, O45092, O45093, O45099, O458X2, O458X3, O458X9, O4590, O4592, O4593</td>
</tr>
<tr>
<td>Antepartum Hemorrhage</td>
<td>O46002, O46003, O46009, O46012, O46013, O46019, O46022, O46023, O46029, O46092, O46093, O46099, O468X2, O468X3, O468X9, O4692, O4693, O4690</td>
</tr>
<tr>
<td>Postpartum Hemorrhage</td>
<td>O723, O43212, O43213, O43219, O43222, O43223, O43229, O43232, O43233, O43239, O720, O721, O722</td>
</tr>
</tbody>
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