Postoperative Hemorrhage or Hematoma Rate

Patient Safety Indicators #27
Technical Specifications
Area-Level Indicator
AHRQ Quality Indicators, Version 4.3, August 2011

Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

Numerator

Discharges age 18 years and older with the following:
- ICD-9-CM code for postoperative hemorrhage or postoperative hematoma in any diagnosis field (principal or secondary)
- ICD-9-CM code for postoperative control of hemorrhage or for drainage of hematoma in any procedure code field.

ICD-9-CM Postoperative hemorrhage diagnosis code:
99811  HEMORRHAGE COMPLICATING A PROCEDURE

ICD-9-CM Postoperative hematoma diagnosis code:
99812  HEMATOMA COMPLICATING A PROCEDURE

ICD-9-CM Control of postoperative hemorrhage procedure codes:
287  CONTROL OF HEMORRHAGE AFTER TONSILLECTOMY AND ADENOIDECTOMY
     3884  OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL
3880  OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE
     3885  OTHER SURGICAL OCCLUSION OF THORACIC VESSEL
3881  OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS
     3886  OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES
3882  OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK
     3887  OTHER SURGICAL OCCLUSION OF ABDOMINAL VEINS
3883  OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS
     3888  OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES
AHRQ QI, Patient Safety Indicators #27, Technical Specifications, Postoperative Hemorrhage or Hematoma Rate  
www.qualityindicators.ahrq.gov

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>3889</td>
<td>OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS</td>
<td>5793</td>
<td>CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF BLADDER</td>
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<tr>
<td>3941</td>
<td>CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY</td>
<td>6094</td>
<td>CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE</td>
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<td>3998</td>
<td>CONTROL OF HEMORRHAGE NOS</td>
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</tr>
<tr>
<td>4995</td>
<td>CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS</td>
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ICD-9-CM Drainage of hematoma procedure codes:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>1809</td>
<td>OTHER INCISION OF EXTERNAL EAR</td>
<td>7109</td>
<td>OTHER INCISION OF VULVA AND PERINEUM</td>
</tr>
<tr>
<td>540</td>
<td>INCISION OF ABDOMINAL WALL</td>
<td>7591</td>
<td>EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM</td>
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<tr>
<td>5412</td>
<td>REOPENING OF RECENT LAPAROTOMY SITE</td>
<td>7592</td>
<td>EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA</td>
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<tr>
<td>5919</td>
<td>OTHER INCISION OF PERIVESICLE TISSUE</td>
<td>8604</td>
<td>OTHER INCISION W/ DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE</td>
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<tr>
<td>610</td>
<td>INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS</td>
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<td></td>
</tr>
<tr>
<td>6998</td>
<td>OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS</td>
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<td></td>
</tr>
<tr>
<td>7014</td>
<td>OTHER VAGINOTOMY</td>
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Exclude cases:
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing), county (PSTCO=missing)

**Denominator**

Discharges in the numerator are assigned to the denominator based on the Metro Area¹ or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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¹ The term "metropolitan area" (MA) was adopted by the U.S. Census in 1990 and referred collectively to metropolitan statistical areas (MSAs), consolidated metropolitan statistical areas (CMSAs) and primary metropolitan statistical areas (PMSAs). In addition, “area” could refer to either 1) FIPS county, 2) modified FIPS county, 3) 1999 OMB Metropolitan Statistical Area or 3) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.