

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)

-----AND-----

- 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 |

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|---|---|------|--|
| 3889 | OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS | 5793 | CONTROL OF (POSTOPERATIVE HEMORRHAGE OF BLADDER |
| 3941 | CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY | 6094 | CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE |
| 3998 | CONTROL OF HEMORRHAGE NOS | | |
| 4995 | CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS | | |
| ICD-9-CM Drainage of hematoma procedure codes: | | | |
| 1809 | OTHER INCISION OF EXTERNAL EAR | 7109 | OTHER INCISION OF VULVA AND PERINEUM |
| 540 | INCISION OF ABDOMINAL WALL | | |
| 5412 | REOPENING OF RECENT LAPAROTOMY SITE | 7591 | EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM |
| 5919 | OTHER INCISION OF PERIVESICLE TISSUE | 7592 | EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA |
| 610 | INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS | 8604 | OTHER INCISION W/ DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE |
| 6998 | OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS | | |
| 7014 | OTHER VAGINOTOMY | | |

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.

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.