

# Postoperative Hemorrhage or Hematoma Rate

## Patient Safety Indicators #9 Technical Specifications

### Provider-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 among cases meeting the inclusion and exclusion rules for the denominator with the following:

- ICD-9-CM code for postoperative hemorrhage or postoperative hematoma in any secondary diagnosis field

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- ICD-9-CM code for postoperative control of hemorrhage or for drainage of hematoma procedure code

#### 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	3883	OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS
3880	OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE	3884	OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL
3881	OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS	3885	OTHER SURGICAL OCCLUSION OF THORACIC VESSEL
3882	OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK	3886	OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES
		3887	OTHER SURGICAL OCCLUSION OF ABDOMINAL VEINS

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3888	OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES	4995	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS
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		
<b>ICD-9-CM Drainage of hematoma procedure codes:</b>			
1809	OTHER INCISION OF EXTERNAL EAR	7014	OTHER VAGINOTOMY
540	INCISION OF ABDOMINAL WALL		
5412	REOPENING OF RECENT LAPAROTOMY SITE	7109	OTHER INCISION OF VULVA AND PERINEUM
5919	OTHER INCISION OF PERIVESICLE TISSUE	7591	EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM
610	INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS	7592	EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA
6998	OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS	8604	OTHER INCISION W/ DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE

## Denominator

All surgical discharges 18 years and older defined by specific DRGs or MS-DRGs and an ICD-9-CM code for an operating room procedure.

See *Patient Safety Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes
- Appendix D – Surgical Discharge DRGs
- Appendix E – Surgical Discharge MS-DRGs

Exclude cases:

- with principal diagnosis of postoperative hemorrhage or postoperative hematoma or secondary diagnosis present on admission
- where the only operating room procedure is postoperative control of hemorrhage or drainage of hematoma
- where a procedure for postoperative control of hemorrhage or drainage of hematoma occurs before the first operating room procedure

**Note:** If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.

- 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)