

# Postoperative Hemorrhage or Hematoma Rate

## Patient Safety Indicators #27 Technical Specifications

### Area-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

### 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)

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- 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	3887	OTHER SURGICAL OCCLUSION OF ABDOMINAL VEINS
3880	OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE	3888	OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES
3881	OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS	3889	OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS
3882	OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK	3941	CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY
3883	OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS	3998	CONTROL OF HEMORRHAGE NOS
3884	OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL	4995	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS
3885	OTHER SURGICAL OCCLUSION OF THORACIC VESSEL	5793	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF BLADDER
3886	OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES	6094	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE

#### ICD-9-CM Drainage of hematoma procedure codes:

1809	OTHER INCISION OF EXTERNAL EAR	7014	OTHER VAGINOTOMY
540	INCISION OF ABDOMINAL WALL	7109	OTHER INCISION OF VULVA AND PERINEUM
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		

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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 Area<sup>1</sup> or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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<sup>1</sup> 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.