

# Postoperative Hemorrhage or Hematoma Rate

## Patient Safety Indicators #9 Technical Specifications

### Provider-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

### 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 COMPLIC PROC

#### ICD-9-CM Postoperative hematoma diagnosis code:

99812 HEMATOMA COMPLIC PROC

#### ICD-9-CM Control of postoperative hemorrhage procedure codes:

287	HEMORR CONTROL POST T & A	3887	OCCLUDE ABD VEIN NEC
3880	SURG VESSEL OCCLUS NEC	3888	OCCLUDE LEG ARTERY NEC
3881	OCCLUS INTRACRAN VES NEC	3889	OCCLUDE LEG VEIN NEC
3882	OCCLUS HEAD/NECK VES NEC	3941	POSTOP VASC OP HEM CONTR
3883	OCCLUDE ARM VESSEL NEC	3998	HEMORRHAGE CONTROL NOS
3884	OCCLUDE AORTA NEC	4995	CONTROL ANAL HEMORRHAGE
3885	OCCLUDE THORACIC VES NEC	5793	CONTROL BLADD HEMORRHAGE
3886	OCCLUDE ABD ARTERY NEC	6094	CONTROL PROSTATE HEMORR

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

1809	EXTERNAL EAR INCIS NEC	7014	VAGINOTOMY NEC
540	ABDOMINAL WALL INCIS	7109	INCIS CULCA/PERINEUM NEC
5412	REOPEN RECENT LAP SITE	7591	EVAC OB INC HEMAT PERIN
5919	PERIVESICAL INCISION NEC	7592	EVAC OB HEMAT VULVA/VAG
610	SCROTUM & TUNICA I & D	8604	OTHER SKIN & SUBQ I & D
6998	UTERINE SUPPORT OP NEC		

### 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
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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)

\* Only for cases that otherwise qualify for the numerator