Postoperative Hemorrhage or Hematoma Rate

Patient Safety Indicators #27
Technical Specifications
Area-Level Indicator
AHRQ Quality Indicators, Version 4.4, March 2012

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 COMPLIC PROC

ICD-9-CM Postoperative hematoma diagnosis code:
99812 HEMATOMA COMPLIC PROC

ICD-9-CM Control of postoperative hemorrhage procedure codes:
287 HEMORR CONTRL POST T & A
3880 SURG VESSEL OCCLUS NEC
3881 OCCLUS INTRACRAN VES NEC
3882 OCCLUS HEAD/NECK VES NEC
3883 OCCLUDE ARM VESSEL NEC
3884 OCCLUDE AORTA NEC
3885 OCCLUDE THORACIC VES NEC
3886 OCCLUDE ABD ARTERY NEC
3887 OCCLUDE ABD VEIN NEC
3888 OCCLUDE LEG ARTERY NEC
3889 OCCLUDE LEG VEIN NEC
3941 POSTOP VASC OP HEM CONTR
3998 HEMORRHAGE CONTROL NOS
4995 CONTROL ANAL HEMORRHAGE
5793 CONTROL BLADD HEMORRHAGE
6094 CONTROL PROSTATE HEMORR

ICD-9-CM Drainage of hematoma procedure codes:
1809 EXT EAR DIAGNOS PROC NEC
540 ABDOMINAL WALL INCISION
5412 REOPEN RECENT LAP SITE
5919 PERIVESICAL INCISION NEC
610 SCROTUM & TUNICA I & D
6998 UTERINE SUPPORT OP NEC
7014 VAGINOTOMY NEC
7109 INCIS VULVA/PERINEUM NEC
7591 EVAC OB INC HEMAT PERIN
7592 EVAC OB HEMAT VILVA/VAG
8604 OTHER SKIN & SUBQ I & D

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\(^1\) 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.