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

-----------------------------------------------------AND---------------------------------------------------------

- 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 COMPPLICATING A PROCEDURE

ICD-9-CM Postoperative hematoma diagnosis code:
99812 HEMATOMA COMPPLICATING A PROCEDURE

ICD-9-CM Control of postoperative hemorrhage procedure codes:
287 CONTROL OF HEMORRHAGE AFTER TONSILLECTOMY AND ADENOIDECTION 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
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)