Transfusion Reaction Rate

Patient Safety Indicators #26
Technical Specifications
Area-Level Indicator
AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

Discharges 18 years and older or in MDC 14 with ICD-9-CM codes for transfusion reaction in any diagnosis field (principal or secondary) of all medical and surgical discharges defined by specific DRGs or MS-DRGs.

**ICD-9-CM Transfusion reaction diagnosis codes**: 9996  ABO INCOMPATIBILITY REACTION  9997  RH INCOMPATIBILITY REACTION  99960  ABO INCOMPAT REACT NOS  99970  RH INCOMPAT REACTION NOS  99961  ABO INCOMP/HTR NEC  99971  RH INCOMPAT/HTR NEC  99962  ABO INCOMPAT/ACUTE HTR  99972  RH INCOMPAT/ACUTE HTR  99963  ABO INCOMPAT/DELAY HTR  99973  RH INCOMPAT/DELAY HTR  99969  ABO INCOMPAT REACT NEC  99974  RH INCOMPAT REACTION NEC  99970  NON-ABO INCOMP REACT NOS  99975  NON-ABO INCOMP REACT NEC  E8760  MISMATCH BLOOD-TRANSFUSN

Italics codes are not active in the current fiscal year.

See Patient Safety Indicators Appendices:
- Appendix B – Medical Discharge DRGs
- Appendix C – Medical Discharge MS-DRGs
- Appendix D – Surgical Discharge DRGs
- Appendix E – Surgical Discharge MS-DRGs

Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

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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.