Transfusion Reaction Count
Technical Specifications

Patient Safety Indicators 16 (PSI 16)
AHRQ Quality Indicators™, Version 4.5a, July 2014
Provider-Level Indicator
Type of Score: Count

Description

The number of medical and surgical discharges with a secondary diagnosis of transfusion reaction for patients ages 18 years and older or obstetric patients. Excludes cases with a principal diagnosis of transfusion reaction or cases with a secondary diagnosis of transfusion reaction that is present on admission.

Numerator

Surgical and medical discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any secondary ICD-9-CM diagnosis codes for transfusion reaction. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

ICD-9-CM Transfusion reaction diagnosis codes1:

9996    ABO INCOMPATIBILITY REACTION (end 2010)
99960   ABO INCOMPAT REACT NOS
99961   ABO INCOMP/HTR NEC
99962   ABO INCOMP/ACUTE HTR
99963   ABO INCOMP/REACTN NEC
99969   ABO INCOMP/REACTN NEC

9997    RH INCOMPATIBILITY REACTION
99970   RH INCOMPAT REACTION NOS
99971   RH INCOMP/HTR NEC
99972   RH INCOMP/ACUTE HTR
99973   RH INCOMP/DELAY HTR
99974   RH INCOMP REACTION NEC
E8760   MISMATCHED BLOODTRANSFUSN

1 The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

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

Exclude cases:
- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission) for transfusion reaction (see above)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)
Denominator

Not applicable.