

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 codes¹:

9996	<i>ABO INCOMPATIBILITY REACTION</i>	99972	RH INCOMPAT/ACUTE HTR
99960	ABO INCOMPAT REACT NOS	99973	RH INCOMPAT/DELAY HTR
99961	ABO INCOMP/HTR NEC	99974	RH INCOMPAT REACTION NEC
99962	ABO INCOMPAT/ACUTE HTR	99975	NON-ABO INCOMP REACT NOS
99963	ABO INCOMPAT/DELAY HTR	99976	NON-ABO INCOMP/HTR NEC
99969	ABO INCOMPAT REACT NEC	99977	NON-ABO INCOMP/ACUTE HTR
9997	<i>RH INCOMPATIBILITY REACTION</i>	99978	NON-ABO INCOMP DELAY HTR
99970	RH INCOMPAT REACTION NOS	99979	NON-ABO INCOMP REACT NEC
99971	RH INCOMPAT/HTR NEC	E8760	MISMATCH BLOOD-TRANSFUSN

¹ Italicized 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 Area¹ 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)

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.