



AHRQ Quality Indicators™ (AHRQ QI™) ICD-10-CM/PCS Specification Version 6.0

## **Patient Safety Indicators 26 (PSI 26) Transfusion Reaction Rate**

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**Area-Level Indicator**

**Type of Score: Rate**

**Prepared by:**

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

**DESCRIPTION**

Transfusion reactions per 100,000 population, ages 18 years and older.

*[NOTE: The software provides the rate per population. However, common practice reports the measure as per 100,000 population. The user must multiply the rate obtained from the software by 100,000 to report events per 100,000 population.]*

**NUMERATOR**

Surgical and medical discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any-listed ICD-10-CM diagnosis codes for transfusion reaction. Surgical and medical discharges are defined by specific MS-DRG codes.

[Appendix C - Surgical MS-DRGs](#)[Appendix E - Medical MS-DRGs](#)***Transfusion reaction diagnosis codes: (TRANFID)***

T8030XA	ABO incompatibility reaction due to transfusion of blood or blood products, unspecified, initial encounter	T8040XA	Rh incompatibility reaction due to transfusion of blood or blood products, unspecified, initial encounter
T80310A	ABO incompatibility with acute hemolytic transfusion reaction, initial encounter	T80410A	Rh incompatibility with acute hemolytic transfusion reaction, initial encounter
T80311A	ABO incompatibility with delayed hemolytic transfusion reaction, initial encounter	T80411A	Rh incompatibility with delayed hemolytic transfusion reaction, initial encounter
T80319A	ABO incompatibility with hemolytic transfusion reaction, unspecified, initial encounter	T80419A	Rh incompatibility with hemolytic transfusion reaction, unspecified, initial encounter
T8039XA	Other ABO incompatibility reaction due to transfusion of blood or blood products, initial encounter	T8049XA	Other Rh incompatibility reaction due to transfusion of blood or blood products, initial encounter

## **NUMERATOR EXCLUSIONS**

Exclude cases:

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

## **DENOMINATOR**

Population ages 18 years and older in metropolitan area† or county. Discharges in the numerator are assigned to the denominator based on the metropolitan area or county of the patient residence, not the metropolitan area or county of the hospital where the discharge occurred.

† 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 4) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.