

Retained Surgical Item or Unretrieved Device Fragment Rate Technical Specifications

Patient Safety Indicators #21 (PSI #21)
AHRQ Quality Indicators™, Version 4.5, May 2013
Area-Level Indicator
Type of Score: Rate

Description

Retained surgical item or unretrieved device fragment cases 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-9-CM diagnosis codes for retained surgical item or unretrieved device fragment. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

ICD-9-CM Retained surgical item or unretrieved device fragment diagnosis codes:

9984	FB LEFT DURINB PROCEDURE	E8714	POSTENDOSCOPY FORGN BODY
9987	POSTOP FORGN SUBST REACT	E8715	POSTCATHETER FORGN BODY
E8710	POST-SURGICAL FORGN BODY	E8716	FB POST HEART CATHETER
E8711	POSTINFUSION FOREIGN BDY	E8717	FB POST-CATHETER REMOVAL
E8712	POSTPERFUSION FORGN BODY	E8718	POST-OP FOREIGN BODY NEC
E8713	POSTINJECTION FORGN BODY	E8719	POST-OP FOREIGN BODY NOS

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 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.