



**AHRQ Quality Indicators™ (AHRQ QI™)
ICD-9-CM and ICD-10-CM/PCS
Specification Enhanced Version 5.0**

**Patient Safety Indicators #21 (PSI #21)
Retained Surgical Item or
Unretrieved Device Fragment Rate**

**October 2015
Area-Level Indicator
Type of Score: Rate**

Prepared by:

Agency for Healthcare Research and Quality
U.S. Department of Health and Human Services
540 Gaither Road
Rockville, MD 20850
www.qualityindicators.ahrq.gov

PSI #21 Retained Surgical Item or Unretrieved Device Fragment 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.]

PSI #21 Retained Surgical Item or Unretrieved Device Fragment Rate

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 or ICD-10-CM diagnosis codes for retained surgical item or unretrieved device fragment. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

- [Appendix B – Medical Discharge DRGs](#)
- [Appendix C – Medical Discharge MS-DRGs](#)
- [Appendix D – Surgical Discharge DRGs](#)
- [Appendix E – Surgical Discharge MS-DRGs](#)

Retained surgical item or unretrieved device fragment diagnosis codes: (FOREIID)

ICD-9-CM	Description	ICD-10-CM	Description
9984	FOREIGN BODY ACCIDENTALLY LEFT DURING A PROCEDURE	T81500A	Unspecified complication of foreign body accidentally left in body following surgical operation, initial encounter
9987	ACUTE REACTION TO FOREIGN SUBSTANCE ACCIDENTALLY LEFT DURING A PROCEDURE	T81501A	Unspecified complication of foreign body accidentally left in body following infusion or transfusion, initial encounter
		T81502A	Unspecified complication of foreign body accidentally left in body following kidney dialysis, initial encounter
		T81503A	Unspecified complication of foreign body accidentally left in body following injection or immunization, initial encounter
		T81504A	Unspecified complication of foreign body accidentally left in body following endoscopic examination, initial encounter
		T81505A	Unspecified complication of foreign body accidentally left in body following heart catheterization, initial encounter

T81506A	Unspecified complication of foreign body accidentally left
T81507A	Unspecified complication of foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81508A	Unspecified complication of foreign body accidentally left in body following other procedure, initial encounter
T81509A	Unspecified complication of foreign body accidentally left in body following unspecified procedure, initial encounter
T81510A	Adhesions due to foreign body accidentally left in body following surgical operation, initial encounter
T81511A	Adhesions due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81512A	Adhesions due to foreign body accidentally left in body following kidney dialysis, initial encounter
T81513A	Adhesions due to foreign body accidentally left in body following injection or immunization, initial encounter
T81514A	Adhesions due to foreign body accidentally left in body following endoscopic examination, initial encounter
T81515A	Adhesions due to foreign body accidentally left in body following heart catheterization, initial encounter
T81516A	Adhesions due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81517A	Adhesions due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81518A	Adhesions due to foreign body accidentally left in body following other procedure, initial encounter
T81519A	Adhesions due to foreign body accidentally left in body following unspecified procedure, initial encounter

T81520A	Obstruction due to foreign body accidentally left in body following surgical operation, initial encounter
T81521A	Obstruction due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81522A	Obstruction due to foreign body accidentally left in body
T81523A	Obstruction due to foreign body accidentally left in body following injection or immunization, initial encounter
T81524A	Obstruction due to foreign body accidentally left in body following endoscopic examination, initial encounter
T81525A	Obstruction due to foreign body accidentally left in body following heart catheterization, initial encounter
T81526A	Obstruction due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81527A	Obstruction due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81528A	Obstruction due to foreign body accidentally left in body following other procedure, initial encounter
T81529A	Obstruction due to foreign body accidentally left in body following unspecified procedure, initial encounter
T81530A	Perforation due to foreign body accidentally left in body following surgical operation, initial encounter
T81531A	Perforation due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81532A	Perforation due to foreign body accidentally left in body following kidney dialysis, initial encounter
T81533A	Perforation due to foreign body accidentally left in body following injection or immunization, initial encounter
T81534A	Perforation due to foreign body accidentally left in body following endoscopic examination, initial encounter

T81535A	Perforation due to foreign body accidentally left in body following heart catheterization, initial encounter
T81536A	Perforation due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81537A	Perforation due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81538A	Perforation due to foreign body accidentally left in body following other procedure, initial encounter
T81539A	Perforation due to foreign body accidentally left in body following unspecified procedure, initial encounter
T81590A	Other complications of foreign body accidentally left in body following surgical operation, initial encounter
T81591A	Other complications of foreign body accidentally left in body following infusion or transfusion, initial encounter
T81592A	Other complications of foreign body accidentally left in body following kidney dialysis, initial encounter
T81593A	Other complications of foreign body accidentally left in body following injection or immunization, initial encounter
T81594A	Other complications of foreign body accidentally left in body following endoscopic examination, initial encounter
T81595A	Other complications of foreign body accidentally left in body following heart catheterization, initial encounter
T81596A	Other complications of foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81597A	Other complications of foreign body accidentally left in body following removal of catheter or packing, initial encounter

T81598A	Other complications of foreign body accidentally left in body following other procedure, initial encounter
T81599A	Other complications of foreign body accidentally left in body following unspecified procedure, initial encounter
T8160XA	Unspecified acute reaction to foreign substance accidentally left during a procedure, initial encounter
T8161XA	Aseptic peritonitis due to foreign substance accidentally left during a procedure, initial encounter
T8169XA	Other acute reaction to foreign substance accidentally left during a procedure, initial encounter

PSI #21 Retained Surgical Item or Unretrieved Device Fragment Rate

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)

PSI #21 Retained Surgical Item or Unretrieved Device Fragment Rate

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.

PSI #21 Retained Surgical Item or Unretrieved Device Fragment Rate

DENOMINATOR EXCLUSIONS
<i>Not Applicable</i>