



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

Patient Safety Indicator 21 (PSI 21) Retained Surgical Item or Unretrieved Device Fragment Rate

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Area-Level Indicator

Type of Score: Rate

Prepared by:

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www.qualityindicators.ahrq.gov

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

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

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

T81500A	Unspecified complication of foreign body accidentally left in body following surgical operation, initial encounter	T81527A	Obstruction due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81501A	Unspecified complication of foreign body accidentally left in body following infusion or transfusion, initial encounter	T81528A	Obstruction due to foreign body accidentally left in body following other procedure, initial encounter
T81502A	Unspecified complication of foreign body accidentally left in body following kidney dialysis, initial encounter	T81529A	Obstruction due to foreign body accidentally left in body following unspecified procedure, initial encounter
T81503A	Unspecified complication of foreign body accidentally left in body following injection or immunization, initial encounter	T81530A	Perforation due to foreign body accidentally left in body following surgical operation, initial encounter
T81504A	Unspecified complication of foreign body accidentally left in body following endoscopic examination, initial encounter	T81531A	Perforation due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81505A	Unspecified complication of foreign body accidentally left in body following heart catheterization, initial encounter	T81532A	Perforation due to foreign body accidentally left in body following kidney dialysis, initial encounter
T81506A	Unspecified complication of foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter	T81533A	Perforation due to foreign body accidentally left in body following injection or immunization, initial encounter
T81507A	Unspecified complication of foreign body accidentally left in body following removal of catheter or packing, initial encounter	T81534A	Perforation due to foreign body accidentally left in body following endoscopic examination, initial encounter

T81508A	Unspecified complication of foreign body accidentally left in body following other procedure, initial encounter	T81535A	Perforation due to foreign body accidentally left in body following heart catheterization, initial encounter
T81509A	Unspecified complication of foreign body accidentally left in body following unspecified procedure, initial encounter	T81536A	Perforation due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81510A	Adhesions due to foreign body accidentally left in body following surgical operation, initial encounter	T81537A	Perforation due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81511A	Adhesions due to foreign body accidentally left in body following infusion or transfusion, initial encounter	T81538A	Perforation due to foreign body accidentally left in body following other procedure, initial encounter
T81512A	Adhesions due to foreign body accidentally left in body following kidney dialysis, initial encounter	T81539A	Perforation due to foreign body accidentally left in body following unspecified procedure, initial encounter
T81513A	Adhesions due to foreign body accidentally left in body following injection or immunization, initial encounter	T81590A	Other complications of foreign body accidentally left in body following surgical operation, initial encounter
T81514A	Adhesions due to foreign body accidentally left in body following endoscopic examination, initial encounter	T81591A	Other complications of foreign body accidentally left in body following infusion or transfusion, initial encounter
T81515A	Adhesions due to foreign body accidentally left in body following heart catheterization, initial encounter	T81592A	Other complications of foreign body accidentally left in body following kidney dialysis, initial encounter
T81516A	Adhesions due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter	T81593A	Other complications of foreign body accidentally left in body following injection or immunization, initial encounter
T81517A	Adhesions due to foreign body accidentally left in body following removal of catheter or packing, initial encounter	T81594A	Other complications of foreign body accidentally left in body following endoscopic examination, initial encounter
T81518A	Adhesions due to foreign body accidentally left in body following other procedure, initial encounter	T81595A	Other complications of foreign body accidentally left in body following heart catheterization, initial encounter

T81519A	Adhesions due to foreign body accidentally left in body following unspecified procedure, initial encounter	T81596A	Other complications of foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81520A	Obstruction due to foreign body accidentally left in body following surgical operation, initial encounter	T81597A	Other complications of foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81521A	Obstruction due to foreign body accidentally left in body following infusion or transfusion, initial encounter	T81598A	Other complications of foreign body accidentally left in body following other procedure, initial encounter
T81522A	Obstruction due to foreign body accidentally left in body following kidney dialysis, initial encounter	T81599A	Other complications of foreign body accidentally left in body following unspecified procedure, initial encounter
T81523A	Obstruction due to foreign body accidentally left in body following injection or immunization, initial encounter	T8160XA	Unspecified acute reaction to foreign substance accidentally left during a procedure, initial encounter
T81524A	Obstruction due to foreign body accidentally left in body following endoscopic examination, initial encounter	T8161XA	Aseptic peritonitis due to foreign substance accidentally left during a procedure, initial encounter
T81525A	Obstruction due to foreign body accidentally left in body following heart catheterization, initial encounter	T8169XA	Other acute reaction to foreign substance accidentally left during a procedure, initial encounter
T81526A	Obstruction due to foreign body accidentally left in body following aspiration, puncture or other catheterization, 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.