



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

**Pediatric Quality Indicators #17 (PDI #17)
Perforated Appendix Admission Rate**

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

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PDI #17 Perforated Appendix Admission Rate

DESCRIPTION

Admissions for any-listed diagnosis of perforations or abscesses of the appendix per 1,000 admissions with any-listed appendicitis, ages 1 through 17 years. Excludes obstetric admissions and transfers from other institutions.

[NOTE: The software provides the rate per hospital admission. However, common practice reports the measure as per 1,000 admissions. The user must multiply the rate obtained from the software by 1,000 to report cases per 1,000 admissions.]

PDI #17 Perforated Appendix Admission Rate

NUMERATOR			
Discharges, for patients ages 1 through 17 years, with any-listed ICD-9-CM or ICD-10-CM diagnosis codes for perforations or abscesses of appendix.			
<i>Perforations or abscesses of appendix diagnosis codes: (ACSAPPD)</i>			
ICD-9-CM	Description	ICD-10-CM	Description
5400	AC APPEND W PERITONITIS	K352	Acute appendicitis with generalized peritonitis
5401	ABSCESS OF APPENDIX	K353	Acute appendicitis with localized peritonitis

PDI #17 Perforated Appendix Admission Rate

NUMERATOR EXCLUSIONS

Exclude cases:

- transfer from a hospital (different facility)
- transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF)
- transfer from another health care facility
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

[Appendix J – Admission Codes for Transfers](#)

PDI #17 Perforated Appendix Admission Rate

DENOMINATOR			
Discharges, for patients ages 1 through 17 years, with any-listed ICD-9-CM or ICD-10-CM diagnosis codes for appendicitis. Discharges are assigned to the denominator based on the metropolitan area ¹ or county of the patient residence, not the metropolitan area or county of the hospital where the discharge occurred.			
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 4) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.			
<i>Appendicitis diagnosis codes: (ACSAP2D)</i>			
ICD-9-CM	Description	ICD-10-CM	Description
5400	AC APPEND W PERITONITIS	K352	Acute appendicitis with generalized peritonitis
5401	ABSCESS OF APPENDIX	K353	Acute appendicitis with localized peritonitis
5409	ACUTE APPENDICITIS NOS	K3580	Unspecified acute appendicitis
541	APPENDICITIS NOS	K3589	Other acute appendicitis
		K37	Unspecified appendicitis

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DENOMINATOR EXCLUSIONS
<i>Not Applicable</i>