

Asthma Admission Rate

Pediatric Quality Indicators #14

Technical Specifications

Area-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

Numerator

Discharges ages 2 to 17 years with ICD-9-CM principal diagnosis code of asthma.

ICD-9-CM Asthma diagnosis codes:

49300	EXT ASTHMA W/O STAT ASTH	49322	CH OBS ASTH W ACUTE EXAC (OCT00)
49301	EXT ASTHMA W STATUS ASTH	49381	EXERCSE IND BRONCHOSPASM (OCT03)
49302	EXT ASTHMA W ACUTE EXAC (OCT00)	49382	COUGH VARIANT ASTHMA (OCT03)
49310	INT ASTHMA W/O STAT ASTH	49390	ASTHMA W/O STATUS ASTHM
49311	INT ASTHMA W STATUS ASTH	49391	ASTHMA W STATUS ASTHMAT
49312	INT ASTHMA W ACUTE EXAC (OCT00)	49392	ASTHMA W ACUTE EXACERBTN (OCT00)
49320	CH OB ASTH W/O STAT ASTH		
49321	CH OB ASTHMA W STAT ASTH		

Exclude cases:

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

See *Pediatric Quality Indicators Appendices*:

- Appendix J – Admission Codes for Transfers

ICD-9-CM Cystic fibrosis and anomalies of the respiratory system diagnosis codes:

27700	CYSTIC FIBROS W/O ILEUS	74860	LUNG ANOMALY NOS
27701	CYSTIC FIBROS W ILEUS	74861	CONGEN BRONCHIECTASIS
27702	CYSTIC FIBROS W PUL MAN	74869	LUNG ANOMALY NEC
27703	CYSTIC FIBROSIS W GI MAN	7488	RESPIRATORY ANOMALY NEC
27709	CYSTIC FIBROSIS NEC	7489	RESPIRATORY ANOMALY NOS
74721	ANOMALIES OF AORTIC ARCH	7503	CONG ESOPH FISTULA/ATRES
7483	LARYNGOTRACH ANOMALY NEC	7593	SITUS INVERSUS
7484	CONGENITAL CYSTIC LUNG	7707	CHRONIC RESPIRATORY DISEASE ARISING IN THE PERINATAL PERIOD
7485	AGENESIS OF LUNG		

Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area¹ or county of the patient residence, not the Metro 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 3) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.