

# Asthma Admission Rate

## Pediatric Quality Indicators #14

### Technical Specifications

#### Area-Level Indicator

#### AHRQ Quality Indicators, Version 4.4, March 2012

### Numerator

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

#### ICD-9-CM Asthma diagnosis codes:

49300	EXTRINSIC ASTHMA NOS	49321	CH OB ASTHMA W STAT ASTH
49301	EXT ASTHMA W STATUS ASTH	49322	CH OBST ASTH W (AC) EXAC
49302	EXT ASTHMA W(ACUTE) EXAC	49381	EXERCSE IND BRONCHOSPASM
49310	INTRINSIC ASTHMA NOS	49382	COUGH VARIANT ASTHMA
49311	INT ASTHMA W STATUS ASTH	49390	ASTHMA NOS
49312	INT ASTHMA W (AC) EXAC	49391	ASTHMA W STATUS ASTHMAT
49320	CHRONIC OBST ASTHMA NOS	49392	ASTHMA NOS W (AC) EXAC

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#### 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), principal diagnosis (DX1=missing), or 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<sup>1</sup>:

27700	CYSTIC FIBROS W/O ILEUS	7483	LARYNGOTRACH ANOMALY NEC
27701	CYSTIC FIBROSIS W ILEUS	7484	CONGENITAL CYSTIC LUNG
27702	CYSTIC FIBROS W PUL MAN	7485	AGENESIS OF LUNG
27703	CYSTIC FIBROSIS W GI MAN	74860	LUNG ANOMALY NOS
27709	CYSTIC FIBROSIS NEC	74861	CONGEN BRONCHIECTASIS
<b>51661</b>	<b>NEUROEND CELL HYPRPL INF</b>	74869	LUNG ANOMALY NEC
<b>51662</b>	<b>PULM INTERSTITL GLYCOGEN</b>	7488	RESPIRATORY ANOMALY NEC
<b>51663</b>	<b>SURFACTANT MUTATION LUNG</b>	7489	RESPIRATORY ANOMALY NOS
<b>51664</b>	<b>ALV CAP DYSP W VN MISALN</b>	7503	CONG ESOPH FISTULA/ATRES
<b>51669</b>	<b>OTH INTRST LUNG DIS CHLD</b>	7593	SITUS INVERSUS
74721	ANOMALIES OF AORTIC ARCH	7707	PERINATAL CHR RESP DIS

<sup>1</sup> Bolded codes are new to the current fiscal year.

## Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area<sup>1</sup> or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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<sup>1</sup> 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.