

# Asthma in Younger Adults Admission Rate

## Prevention Quality Indicators #15 Technical Specifications

### Area-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011  
(Revised October, 2011)

### Numerator

All discharges of age less than 40 years old with ICD-9-CM principal diagnosis code of asthma.

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

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

See *Prevention Quality Indicators Appendices*:

- Appendix A – Admission Codes for Transfers

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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)<sup>1</sup>
- with any diagnosis code of 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)

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

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<sup>1</sup> Note. There is no specific code in the software to remove MDC 14 from this indicator because it is all ready logically removed, given the focus is on adults and a principal diagnosis code of asthma.

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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	PERINATAL CHR RESP DIS
7485	AGENESIS OF LUNG		

## Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area<sup>2</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>2</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.