Asthma in Younger Adults Admission Rate
Technical Specifications

Prevention Quality Indicators #15 (PQI #15)
AHRQ Quality Indicators™, Version 4.5, May 2013
Area-Level Indicator
Type of Score: Rate

Description

Admissions for a principal diagnosis of asthma per 100,000 population, ages 18 to 39 years. Excludes admissions with an indication of cystic fibrosis or anomalies of the respiratory system, obstetric admissions, and transfers from other institutions.

[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 admissions per 100,000 population.]

Numerator

Discharges, for patients ages 18 through 39 years, with a principal ICD-9-CM diagnosis code for asthma.

[NOTE: By definition, discharges with a principal diagnosis of asthma are precluded from an assignment of MDC 14 by grouper software. Thus, obstetric discharges should not be considered in the PQI rate, though the AHRQ QI™ software does not explicitly exclude obstetric cases.]

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 W/O STATUS ASTHM
49312	INT ASTHMA W (AC) EXAC	49391	ASTHMA W STATUS ASTHMAT
49320	CHRONIC OBST ASTHMA NOS	49392	ASTHMA NOS W (AC) EXAC

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
- with any-listed ICD-9-CM diagnosis codes 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 *Prevention Quality Indicators Appendices*:

- Appendix A – Admission Codes for Transfers

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

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
51661	NEUROEND CELL HYPRPL INF	74869	LUNG ANOMALY NEC
51662	PULM INTERSTITL GLYCOGEN	7488	RESPIRATORY ANOMALY NEC
51663	SURFACTANT MUTATION LUNG	7489	RESPIRATORY ANOMALY NOS
51664	ALV CAP DYSP W VN MISALIGN	7503	CONG ESOPH FISTULA/ATRES
51669	OTH INTRST LUNG DIS CHLD	7593	SITUS INVERSUS
74721	ANOMALIES OF AORTIC ARCH	7707	PERINATAL CHR RESP DIS

Denominator

Population ages 18 through 39 years 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.