Chronic Obstructive Pulmonary Disease (COPD) or Asthma in Older Adults Admission Rate

Prevention Quality Indicators #5
Technical Specifications
Area-Level Indicator
AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

All discharges of age 40 years and older with ICD-9-CM principal diagnosis code for COPD or asthma in adults age 40 years and older.

ICD-9-CM COPD diagnosis codes:

1. 4660 ACUTE BRONCHITIS*
2. 490 BRONCHITIS NOS*
3. 4910 SIMPLE CHR BRONCHITIS
4. 4911 MUCOPURUL CHR BRONCHITIS
5. 49120 OBST CHR BRONC W/O EXAC
6. 49121 OBST CHR BRONC W(AC) EXAC
7. 4918 CHRONIC BRONCHITIS NEC

*Must be accompanied by a secondary diagnosis code of COPD.

1 Italicized codes are not active in the current fiscal year.

ICD-9-CM Asthma diagnosis codes:

8. 49300 EXTRINSIC ASTHMA NOS
9. 49301 EXT ASTHMA W STATUS ASTH
10. 49302 EXT ASTHMA W(ACUTE) EXAC
11. 49310 INTRINSIC ASTHMA NOS
12. 49311 INT ASTHMA W STATUS ASTH
13. 49312 INT ASTHMA W (AC) EXAC
14. 49320 CHRONIC OBST ASTHMA NOS

The PQI reference population includes discharges with MDC 14 and age less than 18 years; however, the DRG and MS-DRG grouper logic precludes assignment of MDC 14 for discharge records with a PQI defining principal diagnosis.

Exclude cases:

1. transfer from a hospital (different facility)
2. transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF)
3. transfer from another health care facility
4. 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:

1. Appendix A – Admission Codes for Transfers
Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area\(^1\) or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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\(^1\) 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.