

# 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 4.3, August 2011

### 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:

|       |                          |      |                                  |
|-------|--------------------------|------|----------------------------------|
| 4660  | AC BRONCHITIS*           | 4919 | CHRONIC BRONCHITIS NOS           |
| 490   | BRONCHITIS NOS*          | 4920 | EMPHYSEMATOUS BLEB               |
| 4910  | SIMPLE CHR BRONCHITIS    | 4928 | EMPHYSEMA NEC                    |
| 4911  | MUCOPURUL CHR BRONCHITIS | 494  | BRONCHIECTASIS (OCT00)           |
| 49120 | OBS CHR BRNC W/O ACT EXA | 4940 | BRONCHIECTAS W/O AC EXAC (OCT00) |
| 49121 | OBS CHR BRNC W ACT EXA   | 4941 | BRONCHIECTASIS W AC EXAC (OCT00) |
| 4918  | CHRONIC BRONCHITIS NEC   | 496  | CHR AIRWAY OBSTRUCT NEC          |

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

#### 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) |

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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)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing), county (PSTCO=missing)

See *Prevention Quality Indicators Appendices*:

- Appendix A – Admission Codes for Transfers

## 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.