

**PQI 01: Diabetes, short term complication admission rate**  
**PQI 05: Chronic obstructive pulmonary disease admission**  
**PQI 08: Congestive heart failure admission rate**  
**PQI 15: Adult asthma admission rate**

### Measure Basic Information

**Name and date of specifications used:**

AHRQ Prevention Quality Indicators Technical Specifications, version 4.5a

**URL of Specifications:**

[http://www.qualityindicators.ahrq.gov/Modules/PQI\\_TechSpec.aspx](http://www.qualityindicators.ahrq.gov/Modules/PQI_TechSpec.aspx)

**Measure Type:**

HEDIS ☐ PQI ☒ Survey ☐ Other ☐ Specify:

**Measure Utility:**

CCO Incentive ☐ Core Performance ☐ CMS Adult Set ☒ CHIPRA Set ☐ State Performance ☒  
Other ☐ Specify:

**Data Source:** MMIS/DSSURS

**Measurement Period:** January 1 – December 31, 2015

**2013 – 2015 PQI 01, 05, 08, 15 Benchmarks:** 10% reduction from the previous year.

**2015 PQI 01 Benchmark:** 144.3/100,000 member years

**2015 PQI 05 Benchmark:** 436.6/100,000 member years

**2015 PQI 08 Benchmark:** 204.8/100,000 member years

**2015 PQI 15 Benchmark:** 54.2/100,000 member years

**Measure changes in specifications from 2014 to 2015:**

- OHA is using the AHRQ PQI v4.5a specifications and software for measurement year 2015. Changes from v4.4 to v4.5a include:
  - Diagnosis codes added to the numerator exclusions for COPD (PQI 05) and heart failure (PQI 08); potentially lower (better) rates for these indicators.
  - Corrections and improvements made for the AHRQ software/programming; the impact to the rates is unknown.
- OHA used AHRQ PQI v4.4 specifications and software in the previous measurement years (2011-2014); however, 'all OHP adults age 18-64' was used as the same denominator for all four selected PQI measures, whereas subsets of the adult population should have been used for the denominator of PQI 05 and PQI 15 (see the clarification table below). OHA has made the

correction and used the v4.5a software to rerun the results for the previous years, to establish the accurate benchmarks for 2015 (10% reduction from 2014).

PQI	Measurement	AHRQ PQI v4.4 (used for measurement year 2011 - 2014)		AHRQ PQI v4.5 (measurement year 2015)
		AHRQ defined denominator age range	Denominator age range used by OHA	Denominator age range (correction)
<b>PQI 05</b>	Chronic obstructive pulmonary disease or asthma in older adults admission rate	Age 40-64	Age 18 and older	Age 40-64
<b>PQI 15</b>	Asthma in younger adults admission rate	Age 18-39	Age 18 and older	Age 18-39

Denied claims: Included ☒ Not included ☐

## Measure Details

### Data elements required denominator:

Medicaid adult enrollment in the measurement year, expressed as 100,000 member years. See the Summary Table below for the defined age range for each indicator.

**Required exclusions for denominator:** None.

**Deviations from cited specifications for denominator:** None.

### Data elements required numerator:

See the Summary Table below for defined diagnosis codes for each indicator.

### Required exclusions for numerator:

For all PQI measures, exclude transfers from a hospital (different facility), a skilled nursing facility (SNF), an intermediate care facility (ICF), or another health care facility (See detail in Prevention Quality Indicators Appendix A – Admission Codes for Transfers).

See required exclusion for PQI 05, 08, and 15 in the Summary Table below.

**Deviations from cited specifications for numerator:** None.

**What are the continuous enrollment criteria:** None.

**What are allowable gaps in enrollment:** n/a.

**Define Anchor Date (if applicable):** None.

**Summary Table (AHRQ v4.5a):**

PQI	Denominator Age <sup>1</sup>	Numerator <sup>2</sup>	Condition	Code System	Codes
PQI 01	Age 18 and older	Numerator discharges	Diabetes short-term complications	Principal ICD9-CM diagnosis	250.10, 250.11, 250.12, 250.13, 250.20, 250.21, 250.22, 250.23, 250.30, 250.31, 250.32, 250.33
PQI 05	Age 40-64	Numerator discharges	COPD (excluding acute bronchitis)	Principal ICD9-CM diagnosis	491.0, 491.1, 491.20, 491.21, 491.8, 491.9, 492.0, 492.8, 494, 494.0, 494.1, 496
			Asthma	Principal ICD9-CM diagnosis	493.00, 493.01, 493.02, 493.10, 493.11, 493.12, 493.20, 493.21, 493.22, 493.81, 493.82, 493.90, 493.91, 493.92
			Acute bronchitis	Principal ICD9-CM diagnosis	466.0, 490
		Required Exclusion	Cystic fibrosis and anomalies of the respiratory system	Any ICD9-CM diagnosis	277.00, 277.01, 277.02, 277.03, 277.09, 516.61, 516.62, 516.63, 516.64, 516.69, 747.21, 748.3, 748.4, 748.5, 748.60, 748.61, 748.69, 748.8, 748.9, 750.3, 759.3, 770.7
PQI 08	Age 18 and older	Numerator discharges	Heart failure (discharges on or after October 1, 2002)	Principal ICD9-CM diagnosis	398.91, 428.0, 428.1, 428.20, 428.21, 428.22, 428.23, 428.30, 428.31, 428.32, 428.33, 428.40, 428.41, 428.42, 428.43, 428.9
		Required Exclusion	Cardiac Procedure Codes	Any ICD9-CM procedure	See Prevention Quality Indicators Appendix B - Cardiac Procedure Codes
PQI 15	Age 18-39	Numerator discharges	Asthma	Principal ICD9-CM diagnosis	493.00, 493.01, 493.02, 493.10, 493.11, 493.12, 493.20, 493.21, 493.22, 493.81, 493.82, 493.90, 493.91, 493.92
		Required Exclusion	Cystic fibrosis and anomalies of the respiratory system	Any ICD9-CM diagnosis	277.00, 277.01, 277.02, 277.03, 277.09, 516.61, 516.62, 516.63, 516.64, 516.69, 747.21, 748.3, 748.4, 748.5, 748.60, 748.61, 748.69, 748.8, 748.9, 750.3, 759.3, 770.7

<sup>1</sup> Medicaid enrollment in the age range during the measurement year, expressed as 100,000 member years.

<sup>2</sup> For all PQI measures, also exclude transfers from the numerator (see detail in Prevention Quality Indicators Appendix A – Admission Codes for Transfers).