



Asthma Management by Appropriate Controller Medications (2014)

Benchmark to qualify for bonus payments: This measurement has separate benchmarks for different age ranges. The bonus will be determined for each age group independently.

- ages 5-11 years - benchmarks 90.31 (50th percentile) or 92.92% (75th percentile)
- ages 12-18 years - benchmark 85.88% (50th percentile) or 88.99 (75th percentile)
- ages 19-50 years - benchmark 74.90% (50th percentile) or 80.69% (75th percentile)
- ages 51-64 years - benchmark 72.66% (50th percentile) or 77.95% (75th percentile)

Measurement Period: Calendar year 2014

Qualifying Service: One pharmacy claim for an Asthma Controller Medication (see Table: Asthma Controller Medication). Writing a prescription is not a qualifying service. The prescription must be dispensed at least once during the measurement period, based on paid claims data from HFS.

Asthma Controller Medications

Description	Prescriptions		
Antiasthmatic combinations	• Dyphylline-guaifenesin	• Guaifenesin-theophylline	
Antibody inhibitor	• Omalizumab		
Inhaled steroid combinations	• Budesonide-formoterol	• Fluticasone-salmeterol	• Mometasone-formoterol
Inhaled corticosteroids	• Beclomethasone • Budesonide • Ciclesonide	• Flunisolide • Fluticasone CFC free	• Mometasone • Triamcinolone
Leukotriene modifiers	• Montelukast	• Zafirlukast	• Zileuton
Mast cell stabilizers	• Cromolyn		
Methylxanthines	• Aminophylline	• Dyphylline	• Theophylline

Qualifying patient: Patients with persistent asthma on the PCPs roster on December 1, 2014. Patients are considered to have persistent asthma if they meet any one of the four criteria below during both the measurement year and the year prior to the measurement year (criteria need not be the same across both years).

- At least one ED visit with asthma as the principal diagnosis.
- At least one inpatient admission with asthma as the principal diagnosis.
- At least four outpatient asthma visits on different dates of service (non-ER service)

with RecordIDC of 'N' or 'O') with asthma as the primary diagnosis and at least two asthma medication dispensing events (see Table: Asthma Medications).

- At least four asthma medication dispensing events, i.e. an asthma medication is dispensed on four occasions (see Table: Asthma Medications).

Asthma Medications

Description	Prescriptions
Antiasthmatic combinations	• Dyphylline-guaifenesin • Guaifenesin-theophylline
Antibody inhibitor	• Omalizumab
Inhaled steroid combinations	• Budesonide-formoterol • Fluticasone-salmeterol • Mometasone-formoterol
Inhaled corticosteroids	• Beclomethasone • Flunisolide • Triamcinolone • Budesonide • Fluticasone CFC free • Ciclesonide • Mometasone
Leukotriene modifiers	• Montelukast • Zafirlukast • Zileuton
Long-acting, inhaled beta-2 agonists	• Arformoterol • Formoterol • Salmeterol
Mast cell stabilizers	• Cromolyn
Methylxanthines	• Aminophylline • Dyphylline • Theophylline
Short-acting, inhaled beta-2 agonists	• Albuterol • Pirbuterol • Levalbuterol

For a patient identified as having persistent asthma because of at least four asthma medication dispensing events, where leukotriene modifiers were the sole asthma medication dispensed, the member must:

- Meet any of the three other criteria listed above in the same year as the leukotriene modifier, or
- Have at least one diagnosis of asthma in any setting in the same year as the leukotriene modifier (i.e., measurement year or prior to the measurement year).

Codes to Identify Visit Type

Description	CP	UB-92 Revenue
Outpatient/ Office Visit	99201-99205, 99211-99215, 99217-99220, 99241-99245, 99341-99345, 99347-99350, 99381-99387, 99391-99397, 99401-99404, 99411-99412, 99420, 99429, 99455, 99456	051-0517, 0519-0523, 0526-0529, 0982, 0983

In-patient	99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99291	0100, 0101, 0110-0114, 0119-0124, 0129-0134, 0139-0144, 0149-0154, 0159, 0160, 0164, 0167- 0169, 0200-0214, 0219, 0720-0724, 0729,0987
Emergency Department	99281-99285	0450-0452, 0456, 0459, 0981

Asthma Diagnosis Codes (ICD-9): 493x

Exclusions:

Emphysema: 492x, 518.1, 518.2

COPD/chronic respiratory conditions due to fumes/vapor: 491.2x, 493.2x, 496, 506.4

Cystic Fibrosis: 277x

Acute Respiratory Failure: 518.81

Reference: <http://www.nhlbi.nih.gov/guidelines/asthma/>