



**COLORADO**

Department of Health Care  
Policy & Financing

# Medication Management for People with Persistent Asthma

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## Measure Description

The percentage of patients 5–64 years of age during the measurement year who were identified as having persistent asthma and were dispensed appropriate medications that they remained on during the treatment period. Two rates are reported:

1. The percentage of patients who remained on an asthma controller medication for at least 50 percent of their treatment period.
2. The percentage of patients who remained on an asthma controller medication for at least 75 percent of their treatment period.

## Evaluation Period

Calendar Year

## Numerator

1. The number of patients who achieved a PDC of at least 50 percent for their asthma controller medications during the measurement year
2. The number of patients who achieved a PDC of at least 75 percent for their asthma controller medications during the measurement year

## Denominator

Patients age 5–64 years by December 31 of the measurement year.

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Denominator Codes		
Condition Description	Detailed Criteria	With Asthma Diagnosis
ONE ED Visit	CPT Codes (99281, 99282, 99283, 99284, 99285) UBREV Codes (0450, 0451, 0452, 0456, 0459, 0981)	J45.20, J45.21, J45.22, J45.30,
ONE Acute Visit	CPT Codes (99221- 99223, 99231- 99233, 99238, 99239, 99251- 99255, 99291)  UBREV Codes (0100, 0110, 0111, 0112, 0113, 0114, 0119, 0120, 0121, 0122, 0123, 0124, 0129, 0130, 0131, 0132, 0133, 0134, 0139, 0140, 0141, 0142, 0143, 0144, 0149, 0150, 0151, 0152, 0153, 0154, 0159, 0160, 0164, 0167, 0169, 0200, 0201, 0202, 0203, 0204, 0206, 0207, 0208, 0209, 0210, 0211, 0212, 0213, 0214, 0219, 0720, 0721, 0722, 0723, 0724, 0729, 0987)	J45.31, J45.32, J45.40, J45.41, J45.42, J45.50, J45.51, J45.52, J45.901, J45.902, J45.909, J45.990, J45.991, J45.998
FOUR Outpatient Visits	CPT Codes (99201-99205, 99211-99215, 99241-99245, 99341-99345, 99347-99350, 99381-99387, 99391-99397, 99401-99404, 99411, 99412, 99420, 99429, 99455, 99456)  UBREV Codes (0510, 0511, 0512, 0513, 0514, 0515, 0516, 0517, 0519, 0520, 0521, 0522, 0523, 0526, 0527, 0528, 0529, 0982, 0983)	
FOUR Observation Visits	CPT Codes (99217, 99218, 99219, 99220)	

OR

4 asthma medication refills during the measurement year

Description	Prescriptions
Antiasthmatic combinations	<ul style="list-style-type: none"> <li>• Dyphylline-guaifenesin</li> <li>• Guaifenesin-theophylline</li> </ul>
Antibody inhibitor	<ul style="list-style-type: none"> <li>• Omalizumab</li> </ul>
Inhaled steroid combinations	<ul style="list-style-type: none"> <li>• Budesonide-formoterol</li> <li>• Fluticasone-vilanterol</li> <li>• Fluticasone-salmeterol</li> <li>• Mometasone-formoterol</li> </ul>
Inhaled corticosteroids	<ul style="list-style-type: none"> <li>• Beclomethasone</li> <li>• Ciclesonide</li> <li>• Budesonide</li> <li>• Flunisolide</li> <li>• Mometasone</li> </ul>

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Leukotriene modifiers	<ul style="list-style-type: none"> <li>• Fluticasone CFC free</li> <li>• Montelukast</li> <li>• Zafirlukast</li> <li>• Zileuton</li> </ul>
Mast cell stabilizers	<ul style="list-style-type: none"> <li>• Cromolyn</li> </ul>
Methylxanthines	<ul style="list-style-type: none"> <li>• Aminophylline</li> <li>• Dyphylline</li> <li>• Theophylline</li> </ul>
Short-acting, inhaled beta-2 agonists	<ul style="list-style-type: none"> <li>• Albuterol</li> <li>• Levalbuterol</li> <li>• Pirbuterol</li> </ul>

## Denominator Exclusions

1. Patients who had any diagnosis of any of the following, any time during the patient's history through December 31 of the measurement year:

Diagnosis	Code
Emphysema	ICD-10: J43.0, J43.1, J43.2, J43.8, J43.9, J98.2, J98.3 ICD-9: 492.0, 492.8, 518.1, 518.2
COPD	ICD-10: J44.0, J44.1, J44.9 ICD-9: 493.20, 493.21, 493.22, 496
Obstructive Chronic bronchitis	ICD-9: 437.20, 491.21, 491.22
Chronic Respiratory Conditions due to Fumes/Vapors	ICD-10: J68.4 ICD-9: 506.4
Cystic Fibrosis	ICD-10: E84.0, E84.11, E84.19, E84.8, E84.9 ICD-9: 277.00, 277.01, 277.02, 277.03, 277.09
Acute Respiratory Failure	ICD-10: J96.00, J96.01, J96.02, J96.20, J96.21, J96.22 ICD-9: 518.81

2. Patients who have no asthma controller medications dispensed during the measurement year:

Description	Prescriptions
Antiasthmatic combinations	Dyphylline-guaifenesin Guaifenesin-theophylline
Antibody inhibitor	Omalizumab
Inhaled steroid combinations	Budesonide-formoterol Fluticasone-salmeterol Mometasone-formoterol Fluticasone-vilanterol
Inhaled corticosteroids	Beclomethasone Budesonide Ciclesonide Flunisolide

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	Mometasone Fluticasone CFC free
Leukotriene modifiers	Montelukast Zafirlukast Zileuton
Mast cell stabilizers	Cromolyn
Methylxanthines	Aminophylline Dyphylline Theophylline

## Notes

- Measure Steward is NCQA

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