Initial Patient Population/Denominator

To be considered a part of the denominator, the patient must be greater than or equal to 5 years old and less than 64 years old. The patient must also have one of the following three diagnoses recorded before or during the measurement period, and the diagnosis must still be active at the start of the measurement period.

- severe persistent asthma
- mild persistent asthma
- moderate persistent asthma

In addition to the diagnoses above, the patient must have an encounter with a superbill that includes one of the following CPT codes, or they must have a problem added to their problem list that indicates a face-to-face interaction:

**CPT codes added to the superbill:**
1. Office Visit: 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215
2. Established Office Visit 0 to 17: 99391, 99392, 99393, 99394
3. Established Office Visit, 18 and up: 99395, 99396, 99397
4. Preventative Care Services-Initial Office Visit, 18 and up: 99385, 99386, 99387
5. Preventative Care Services-Initial Office Visit, 0 to 17: 99381, 99382, 99383, 99384
6. Home Healthcare Services: 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350

**Problem added to the Problem list indicating a Face to Face Interaction**
1. Subsequent hospital visit by physician
2. Subsequent nursing facility visit
3. Encounter for check-up
4. Visit out of hours
5. Weekend visit
6. Nursing evaluation of patient and report
7. History and physical examination with evaluation and management of nursing facility patient
8. Patient-initiated encounter
9. Provider-initiated encounter
10. Patient encounter procedure
11. Follow-up encounter
12. Urgent follow-up
13. Home visit
14. Emergency department patient visit
15. Follow-up inpatient consultation visit
16. Initial evaluation and management of healthy individual

Denominator Exclusions

Patients in the denominator will be excluded from the denominator if they have a diagnosis indicating acute respiratory failure, COPD, Cystic Fibrosis or Emphysema, which started before or during the measurement period and was still active at the beginning of the measurement period. The list of actual problem names that would exclude a patient from the diagnosis are listed below.
Acute Respiratory Failure
- Acute respiratory failure requiring reintubation
- Acute respiratory failure
- ARF
- Acute-on-chronic respiratory failure

Chronic Obstructive Pulmonary Disease
- Acute infective exacerbation of chronic obstructive airways disease
- Mild chronic obstructive pulmonary disease
- Moderate chronic obstructive pulmonary disease
- Severe chronic obstructive pulmonary disease
- Chronic obstructive pulmonary disease with acute lower respiratory infection
- End stage chronic obstructive airways disease
- Chronic obstructive lung disease
- Chronic airway obstruction
- Chronic airflow obstruction
- CAFL
- CAO
- Chronic airflow limitation
- CAL
- COPD
- COLD
- Chronic obstructive pulmonary disease
- Acute exacerbation of chronic obstructive airways disease

Cystic Fibrosis
- Cystic fibrosis
- CF
- Mucoviscidosis
- Cystic fibrosis with intestinal manifestations
- Cystic fibrosis of pancreas
- Fibrocystic disease of pancreas
- Cystic fibrosis without meconium ileus
- Cystic fibrosis with meconium ileus
- Meconium ileus in cystic fibrosis
- Cystic fibrosis of the lung

Emphysema
- Ruptured emphysematous bleb of lung
- Pulmonary emphysema
- Cystic-bullous disease of the lung
- Centriacinar emphysema
- Centrilobular emphysema
- Bronchial atresia with segmental pulmonary emphysema
- Interstitial emphysema of lung
- Chronic diffuse emphysema due to inhalation of chemical fumes AND/OR vapors
- Congenital lobar emphysema
- Vanishing lung
- Bullous emphysema with collapse
- Atrophic (senile) emphysema
- Chronic emphysema due to chemical fumes
• Acute bovine pulmonary emphysema AND edema (disorder)
• Gas bubble disease
• Pulmonary emphysema in alpha-1 primary immunodeficiency deficiency
• Toxic emphysema
• Scar emphysema
• Paraseptal emphysema
• Compensatory emphysema
• Congenital emphysema
• Panacinar emphysema
• Panlobular emphysema
• Emphysematous bleb of lung
• Hemolytic anemia with emphysema AND cutis laxa
• Chronic bullous emphysema
• Segmental bullous emphysema
• Zonal bullous emphysema
• Acute vesicular emphysema
• Giant bullous emphysema
• Obstructive emphysema

Numerator:
Patients in the denominator who had a preferred asthma therapy (any of the following medications) during the measurement period will be included in the numerator.

Full List of Preferred Asthma Therapies
Azmacort 75 mcg/inh inhalation aerosol
diclofenac 75 mcg/inh inhalation aerosol
Aerospan 80 mcg/inh inhalation aerosol
flunisolide 80 mcg/inh inhalation aerosol
aminophylline 250 mg rectal suppository
Truphylline 100 mg oral tablet
dyphylline-guaiFENesin 100 mg-100 mg/15 mL oral liquid
dyphylline-guaiFENesin 150 mg-90 mg/15 mL oral liquid
dyphylline-guaiFENesin 300 mg-180 mg oral capsule
steroids 200 mcg/inh inhalation powder
Pulmicort Respules 1 mg/2 mL inhalation suspension
aminophylline/ePHEDrine/guaiFENesin/PHENobarbital 130 mg-16 mg-100 mg-8 mg oral tablet
Dilutrop 500 mg/2 mL intravenous solution
zafirlukast 20 mg oral tablet
Singulair 10 mg oral tablet
Singulair 5 mg oral tablet
Singulair 10 mg oral tablet
Singulair 20 mg oral tablet
Singulair 5 mg oral tablet
Singulair 10 mg oral tablet
Singulair 20 mg oral tablet
Theo-24 400 mg/24 hours oral capsule, extended release
theophylline-guaiFENesin 200 mg-200 mg oral tablet
Theo-con 150 mg-90 mg/15 mL oral liquid
Solu-Phyllin GG 150 mg-90 mg/15 mL oral liquid
Slo-Bid Gyrocaps 125 mg oral capsule, extended release
Slo-Phyllin 125 mg oral capsule, extended release
Theophylline 125 mg oral tablet
Theophylline 250 mg oral tablet
Theophylline-guaiFENesin 200 mg-200 mg oral tablet
Theophylline-guaiFENesin 250 mg-250 mg oral tablet
Theophylline-guaiFENesin 300 mg-180 mg oral capsule
Theophylline-guaiFENesin 200 mg-200 mg oral tablet
Theophylline-guaiFENesin 150 mg-90 mg/15 mL oral liquid
Theophylline-guaiFENesin 100 mg-100 mg/15 mL oral liquid
Theophylline-guaiFENesin 300 mg-180 mg oral capsule
theophylline-guaiFENesin 100 mg-100 mg/15 mL oral liquid
theophylline-guaiFENesin 300 mg-180 mg oral capsule
theophylline-guaiFENesin 200 mg-200 mg oral tablet
theophylline-guaiFENesin 100 mg-100 mg oral tablet
theophylline-guaiFENesin 300 mg-180 mg oral capsule
theophylline-guaiFENesin 200 mg-200 mg oral tablet
theophylline-guaiFENesin 100 mg-100 mg oral tablet
theophylline-guaiFENesin 300 mg-180 mg oral capsule
theophylline-guaiFENesin 200 mg-200 mg oral tablet
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theophylline-guaiFENesin 300 mg-180 mg oral capsule
theophylline-guaiFENesin 200 mg-200 mg oral tablet
theophylline-guaiFENesin 100 mg-100 mg oral tablet
theophylline-guaiFENesin 300 mg-180 mg oral capsule
theophylline-guaiFENesin 200 mg-200 mg oral tablet
theophylline-guaiFENesin 100 mg-100 mg oral tablet
theophylline-guaiFENesin 300 mg-180 mg oral capsule
Theochron 450 mg oral tablet, extended release
Theolair-SR 250 mg oral tablet, extended release
Respbid 250 mg oral tablet, extended release
theophylline 100 mg oral tablet, extended release
zafirlukast 10 mg oral tablet
Accolate 10 mg oral tablet
Respbid 250 mg oral tablet, extended release
Theochron 450 mg oral tablet, extended release
Thecmor 450 mg oral tablet, extended release
Quibron-T/SR 300 mg oral tablet, extended release
Theocron 300 mg oral tablet, extended release
Theo-Dur 300 mg oral tablet, extended release
theophylline 300 mg oral tablet, extended release
Theo-Time 300 mg oral tablet, extended release
Theo-X 300 mg oral tablet, extended release
Aerolate JR 130 mg oral capsule, extended release
Theoclear L.A.-130 oral capsule, extended release
theophylline 130 mg oral capsule, extended release
Theo-Dur 200 mg oral tablet, extended release
Theolair-SR 200 mg oral tablet, extended release
Theo-Dur 200 mg oral tablet, extended release
theophylline 200 mg oral tablet, extended release
Aerolate III 65 mg oral capsule, extended release
theophylline 65 mg oral capsule, extended release
Slo-Bid Gyrocaps 75 mg oral capsule, extended release
Theo-Dur Sprinkles 75 mg oral capsule, extended release
Slo-Bid Gyrocaps 75 mg oral capsule, extended release
Theo-Dur Sprinkles 75 mg oral capsule, extended release
theophylline 75 mg oral capsule, extended release
Uni-Dur 400 mg/24 hours oral tablet, extended release
theophylline 4 mg/mL-D5% intravenous solution
Uni-Dur 600 mg/24 hours oral tablet, extended release
theophylline 4 mg/mL-D5% intravenous solution
Respbid 500 mg oral tablet, extended release
theophylline 400 mg/100 mL-D5% intravenous solution
Theolair-SR 500 mg oral tablet, extended release
theophylline 500 mg oral tablet, extended release
Aerolate III 65 mg oral capsule, extended release
theophylline 65 mg oral capsule, extended release
Slo-Bid Gyrocaps 75 mg oral capsule, extended release
theophylline 75 mg oral capsule, extended release
Aquaphyllin 80 mg/15 mL oral solution
Theo-Dur 450 mg oral tablet, extended release
theophylline 450 mg oral tablet, extended release
theophylline 1.6 mg/mL-D5% intravenous solution
theophylline 800 mg/mL-D5% intravenous solution
Slo-Bid Gyrocaps 200 mg oral capsule, extended release
theophylline 2 mg/mL-D5% intravenous solution
theophylline 3.2 mg/mL-D5% intravenous solution
theophylline 400 mg/24 hours oral tablet, extended release
theophylline 200 mg/24 hours oral capsule, extended release
theophylline 200 mg/24 hours oral capsule, extended release
theophylline 200 mg/24 hours oral capsule, extended release
theophylline 200 mg/24 hours oral capsule, extended release
theophylline 200 mg/24 hours oral capsule, extended release
Theocleal-80 oral syrup
Theclair 80 mg/15 mL oral solution
theophylline 80 mg/15 mL oral solution
theophylline 80 mg/15 mL oral solution
theophylline 80 mg/15 mL oral syrup
Theosol-80 oral solution
Truxophyllin 80 mg/15 mL oral elixir
Truxophyllin 80 mg/15 mL oral elixir
Truxophyllin 80 mg/15 mL oral solution (obsolete)
Slo-Bid Gyrocaps 300 mg oral capsule, extended release
Theo-24 300 mg/24 hours oral capsule, extended release
Theo-Dur 300 mg oral capsule, extended release
theophylline 300 mg oral capsule, extended release
theophylline 300 mg oral capsule, extended release
theophylline 300 mg/24 hours oral capsule, extended release
Accolate 10 mg oral tablet
zafirlukast 10 mg oral tablet
aminophylline 100 mg oral tablet
Respbid 250 mg oral tablet, extended release
Theolair-SR 250 mg oral tablet, extended release
theophylline 250 mg oral tablet, extended release
Theochron 450 mg oral tablet, extended release
theophylline 250 mg oral tablet, extended release
theophylline 250 mg oral tablet, extended release
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