

Asthma Medication Ratio (AMR)

The percentage of members 5–64 years of age who were identified as having persistent asthma and had a ratio of controller medications to total asthma medications of 0.50 or greater during the measurement year.

Adherence for the AMR measure means that half or more of the member's total asthma medications are a controller medication. If the ratio is less than 0.50, it means that the member is using more rescue medication, which may be an indication that their asthma is not well controlled.

Numerator(s)

The number of members who have a medication ratio of 0.50 or greater during the measurement year.

Asthma Diagnosis Code

J45.21, J45.22, J45.30, J45.31, J45.32, J45.40, J45.41, J45.42, J45.50, J45.51, J45.52, J45.901, J45.902, J45.909, J45.991, J45.998

Asthma Controller Medications

| DESCRIPTION | PRESCRIPTIONS | ROUTE |
|------------------------------|------------------------|------------|
| Antibody inhibitors | Omalizumab | Injection |
| Anti-interleukin-4 | Dupilumab | Injection |
| Anti-interleukin-5 | Benralizumab | Injection |
| Anti-interleukin-5 | Mepolizumab | Injection |
| Anti-interleukin-5 | Reslizumab | Injection |
| Inhaled steroid combinations | Budesonide-formoterol | Inhalation |
| Inhaled steroid combinations | Fluticasone-salmeterol | Inhalation |
| Inhaled steroid combinations | Fluticasone-vilanterol | Inhalation |
| Inhaled steroid combinations | Formoterol-mometasone | Inhalation |
| Inhaled corticosteroids | Beclomethasone | Inhalation |
| Inhaled corticosteroids | Budesonide | Inhalation |
| Inhaled corticosteroids | Ciclesonide | Inhalation |
| Inhaled corticosteroids | Flunisolide | Inhalation |
| Inhaled corticosteroids | Fluticasone | Inhalation |
| Inhaled corticosteroids | Mometasone | Inhalation |
| Leukotriene modifiers | Montelukast | Oral |
| Leukotriene modifiers | Zafirlukast | Oral |
| Leukotriene modifiers | Zileuton | Oral |
| Methylxanthines | Theophylline | Oral |

Asthma Reliever Medications

| DESCRIPTION | PRESCRIPTIONS | ROUTE |
|---------------------------------------|---------------|------------|
| Short-acting, inhaled beta-2 agonists | Albuterol | Inhalation |
| Short-acting, inhaled beta-2 agonists | Levalbuterol | Inhalation |

Notes

- The code set above is used by HEDIS to determine compliance. Not all codes are necessarily covered by Medi-Cal.
- Members with diagnoses for Emphysema, COPD, Obstructive Chronic Bronchitis, Chronic Respiratory Conditions Due to Fumes or Vapors, Cystic Fibrosis, and Acute Respiratory Failure are excluded from this measure.
- Members who had no asthma controller or relievers medication dispensed in the measurement year are excluded from this measure.
- Members in hospice or using hospice services are excluded from this measure.
- Members who died in the measurement year are excluded from this measure.

Best Practices

- Develop an asthma action plan.
- Educate members on the difference between a long-term controller and rescue medication.
- Ensure that the member is not using more rescue medication than controller medication to control their asthma.
- Educate members on the importance of adhering to their controller medication and reducing asthma triggers.
- Evaluate member's inhaler technique.
- Educate member on potential side effects of controller medications and how to manage them.
- Ask members if they have any barriers to filling their prescription.
- Reach out to members to schedule follow-up visits.

Generics mapped to NCQA MLD for AMR

| NDC CODE | PRODUCT NAME |
|-------------|--|
| 82009000910 | montelukast 10 mg tablet |
| 54074287 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 781729685 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 60687066291 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 66758095985 | Proventil HFA 90 mcg/actuation aerosol inhaler |
| 69097014260 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 72572001401 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 76282067942 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 78206011401 | Asmanex Twisthaler 220 mcg/actuation(120 doses) breath activated inhaler |
| 78206011402 | Asmanex Twisthaler 220 mcg/actuation(60 doses) breath activated inhaler |
| 78206011403 | Asmanex Twisthaler 220 mcg/actuation(14 doses) breath activated inhaler |
| 78206011404 | Asmanex Twisthaler 220 mcg/actuation(30 doses) breath activated inhaler |
| 78206011501 | Asmanex Twisthaler 110 mcg/actuation(30 doses) breath activated inhaler |
| 78206011101 | Asmanex HFA 50 mcg/actuation aerosol inhaler |
| 78206012501 | Dulera 50 mcg-5 mcg/actuation HFA aerosol inhaler |
| 78206011201 | Asmanex HFA 100 mcg/actuation aerosol inhaler |
| 78206012601 | Dulera 200 mcg-5 mcg/actuation HFA aerosol inhaler |
| 78206012701 | Dulera 100 mcg-5 mcg/actuation HFA aerosol inhaler |
| 54032656 | fluticasone 100 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 93751731 | fluticasone 100 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 378932032 | Wixela Inhub 100 mcg-50 mcg/dose powder for inhalation |
| 66993058497 | fluticasone 100 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 54032756 | fluticasone 250 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 93751831 | fluticasone 250 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 378932132 | Wixela Inhub 250 mcg-50 mcg/dose powder for inhalation |
| 66993058597 | fluticasone 250 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 93751631 | fluticasone 500 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 378932232 | Wixela Inhub 500 mcg-50 mcg/dose powder for inhalation |
| 66993058697 | fluticasone 500 mcg-salmeterol 50 mcg/dose blistr powdr for inhalation |
| 66993008696 | fluticasone propionate 45 mcg-salmeterol 21 mcg/actuation HFA inhaler |
| 66993008796 | fluticasone propionate 115 mcg-salmeterol 21 mcg/actuation HFA inhaler |
| 66993008896 | fluticasone propionate 230 mcg-salmeterol 21 mcg/actuation HFA inhaler |
| 66993007896 | fluticasone propionate 44 mcg/actuation HFA aerosol inhaler |
| 66993007996 | fluticasone propionate 110 mcg/actuation HFA aerosol inhaler |
| 66993008096 | fluticasone propionate 220 mcg/actuation HFA aerosol inhaler |

Generics mapped to NCQA MLD for AMR

| NDC CODE | PRODUCT NAME |
|-------------|--|
| 66993013597 | fluticasone furoate 100 mcg-vilanterol 25 mcg/dose inhalation powder |
| 66993013697 | fluticasone furoate 200 mcg-vilanterol 25 mcg/dose inhalation powder |
| 173090442 | Nucala 40 mg/0.4 mL subcutaneous syringe |
| 310737020 | budesonide-formoterol HFA 160 mcg-4.5 mcg/actuation aerosol inhaler |
| 310737220 | budesonide-formoterol HFA 80 mcg-4.5 mcg/actuation aerosol inhaler |
| 480331001 | theophylline ER 300 mg tablet,extended release,12 hr |
| 23155074101 | theophylline ER 300 mg tablet,extended release,12 hr |
| 60219204501 | theophylline ER 300 mg tablet,extended release,12 hr |
| 62135045790 | theophylline ER 300 mg tablet,extended release,12 hr |
| 69315022601 | theophylline ER 300 mg tablet,extended release,12 hr |
| 480330901 | theophylline ER 450 mg tablet,extended release,12 hr |
| 23155074201 | theophylline ER 450 mg tablet,extended release,12 hr |
| 60219204601 | theophylline ER 450 mg tablet,extended release,12 hr |
| 69315022701 | theophylline ER 450 mg tablet,extended release,12 hr |
| 31722004412 | zileuton ER 600 mg tablet,extended release 12hr mphase |
| 64380018901 | zileuton ER 600 mg tablet,extended release 12hr mphase |
| 62135055647 | theophylline 80 mg/15 mL oral solution |
| 64380018701 | zafirlukast 10 mg tablet |
| 64380018801 | zafirlukast 20 mg tablet |
| 64380017701 | Accolate 10 mg tablet |
| 64380017801 | Accolate 20 mg tablet |
| 45802008801 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 68180096301 | albuterol sulfate HFA 90 mcg/actuation aerosol inhaler |
| 70515071205 | Alvesco 160 mcg/actuation aerosol inhaler |
| 70515071105 | Alvesco 80 mcg/actuation aerosol inhaler |