

Coding Reference Guide Measure Year 2025

Asthma Medication Ratio (AMR)



Measure Description

Members five-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 2025.

Definitions

Oral Medication Dispensing Event: One prescription of an amount lasting 30 days or less. To calculate dispensing events for prescriptions longer than 30 days, divide the days supply by 30 and round down to convert. Allocate the dispensing events to the appropriate year based on the date when the prescription is dispensed. Multiple prescriptions for different medications dispensed on the same day are counted as separate dispensing events.

Inhaler Dispensing Event: All inhalers of the same medication dispensed on the same day count as one dispensing event. Different inhaler medications dispensed on the same day are counted as different dispensing events. Allocate the dispensing events to the appropriate year based on the date when the prescription was dispensed.

Injection Dispensing Event: Each injection counts as one dispensing event. Multiple dispensed injections of the same or different medications count as separate dispensing events. Allocate the dispensing events to the appropriate year based on the date when the prescription was dispensed.

Units of Medication: Count each individual medication, defined as an amount lasting 30 days or less, as one medication unit. One medication unit equals one inhaler canister, one injection, one infusion, or a 30-days or less supply of an oral medication. For example, two inhaler canisters of the same medication dispensed on the same day count as two medication units.

Use the package size and units columns in the medication lists to determine the number of canisters or injections. Divide the dispensed amount by the package size to determine the number of canisters or injections dispensed. For example, if the package size for an inhaled medication is 10g, and pharmacy data indicates the dispensed amount is 30g, three inhaler canisters were dispensed.

Steps to Calculate Asthma Medication Ratio for Each Member

Step 1: Count the units of asthma controller medications dispensed during 2025. Refer to the definition of Units of Medication.

Step 2: Count the units of asthma reliever medications dispensed during 2025. Refer to the definition of Units of medications.

Step 3: Sum the units calculated in step 1 and step 2 to determine units of total asthma medications.

Step 4: Calculate the ratio of controller medications to total asthma medications using the following formula. Round (using the 0.5 rule) to the nearest whole number.

$$\frac{\text{Units of Controller Medications (Step 1)}}{\text{Units of Total Asthma Medications (Step 3)}}$$

Step 5: Sum the total number of Members who have a ratio of ≥ 0.50 in step 4

Asthma Controller Medications

MVP drug formularies are located here: [Formularies and Prescription Drug Coverage | MVP Health Care](#)

Antibody Inhibitors	Omalizumab (injection)
Anti-interleukin-4	Dupilumab (injection)
Anti-interleukin-5	Benralizumab, Mepolizumab, Reslizumab (injection)
Inhaled Steroid Combinations	Budesonide-Formoterol, Fluticasone-salmeterol, Fluticasone-vilanterol, Formoterol-mometasone (inhalation)
Inhaled Corticosteroids	Beclomethasone, Budesonide, Ciclesonide, Flunisolide, Fluticasone, Mometasone (inhalation)
Leukotriene Modifiers	Montelukast, Zafirlukast, Zileuton (oral)
Methylxanthines	Theophylline (oral)

Asthma Reliever Medications

Short-Acting, Inhaled Beta-2 Agonists	Albuterol, Levalbuterol (inhalation)
Asthma	ICD10: 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
	SNOMED: 11641008, 12428000, 13151001, 18041002, 19849005, 34015007, 37981002, 41553006, 55570000, 56968009, 57607007, 59786004, 85761009, 195949008, 195967001, 195977004, 225057002, 233672007, 233678006, 233679003, 233687002, 233691007, 266361008, 281239006, 304527002, 370218001, 370219009, 370221004, 404804003, 404806001, 404808000, 405944004, 407674008, 409663006, 418395004, 426656000, 426979002, 427295004, 442025000, 707444001, 707445000, 707446004, 707447008, 707511009, 707512002, 707513007, 707979007, 707980005, 707981009, 708038006, 708090002, 708093000, 708094006, 708095007, 708096008, 733858005, 734904007, 734905008, 735587000, 735589002, 762521001, 782513000, 782520007, 786836003, 829976001, 1290026000, 401000119107, 901000119100, 1751000119100, 5281000124103, 99031000119107, 103781000119103, 124991000119109, 125001000119103, 125011000119100, 135171000119106, 135181000119109, 2360001000004109, 10674711000119105, 10675391000119101, 10675431000119106, 10675471000119109, 10675551000119104, 10675711000119106, 10675751000119107, 10675871000119106, 10675911000119109, 10675991000119100, 10676231000119102, 10676271000119104, 10676391000119108, 10676431000119103, 10676511000119109, 10676671000119102, 10692681000119108, 10692721000119102, 10692761000119107, 16055311000119107, 16584951000119101
Follow the steps below to calculate the asthma medication ratio:	
Step 1	Count the units of asthma controller medications dispensed during 2025
Step 2	Count the units of asthma reliever medications dispensed during 2025
Step 3	Sum the units calculated in Step 1 and Step 2 to determine units of total asthma medications
Step 4	Calculate the ratio of controller medications to total asthma medications using the following formula (round to the nearest whole number): <ul style="list-style-type: none"> Units of Controller Medications (Step 1) Units of Total Asthma Medications (Step 3)
Step 5	Sum the total number of members who have a ratio of ≥ 0.50 in step 4

The following will exclude Members from this measure:

Respiratory Diseases with Different Treatment Approaches than Asthma any time through December 31, 2025 Do not include laboratory claims (claims with POS code 81)	ICD10: E84.0, E84.11, E84.19, E84.8, E84.9, J43.0, J43.1, J43.2, J43.8, J43.9, J44.0, J44.1, J44.81, J44.89, J44.9, J68.4, J96.00, J96.01, J96.02, J96.20, J96.21, J96.22, J98.2, J98.3 <hr/> SNOMED: 4981000, 13645005, 15908004, 16003001, 16846004, 23958009, 31803008, 31898008, 32544004, 33325001, 43098002, 47895001, 54288002, 57686001, 60805002, 61233003, 66110007, 66987001, 68328006, 69454006, 70756004, 72163003, 74800004, 77690003, 81423003, 86092005, 86555001, 86680006, 87433001, 135836000, 185086009, 190905008, 190909002, 195951007, 195957006, 195958001, 195959009, 195963002, 196001008, 196025000, 196026004, 233674008, 233675009, 233677001, 235978006, 266355005, 266356006, 285381006, 308905009, 313296004, 313297008, 313299006, 708030004, 720401009, 762269004, 762270003, 762271004, 836477007, 1010333003, 1010334009, 1751000119100, 106001000119101, 293241000119100
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Members who use hospice services or elect to use a hospice benefit any time during 2025.

Hospice Encounter Any Time During 2025	HCPCS: G9473, G9474, G9475, G9476, G9477, G9478, G9479, Q5003, Q5004, Q5005, Q5006, Q5007, Q5008, Q5010, S9126, T2042, T2043, T2044, T2045, T2046 <hr/> SNOMED: 183919006, 183920000, 183921001, 305336008, 305911006, 385765002 <hr/> UBREV: 0115, 0125, 0135, 0145, 0155, 0235, 0650, 0651, 0652, 0655, 0656, 0657, 0658, 0659
Hospice Intervention Any Time During 2025	CPT: 99377, 99378 <hr/> HCPCS: G0182 <hr/> SNOMED: 170935008, 170936009, 385763009

Members who had no asthma controller/reliever medications during 2025**Members who died any time during 2025**

Tips and Best Practices to Help Improve Performance

- Utilize the monthly Gaps in Care Report (GIC) for a list of MVP Members and the services they still need
- Consider using an Asthma Action Plan for the Member, their family, caretakers, and school health personnel. Members may request an Asthma Action Plan from an MVP Case Manager by calling **1-866-942-7966**.
- Consider using alerts and flags within the Electronic Health Record (EHR)
- Discuss the importance of early detection and encourage preventive care
- Document preventive care, medical, and surgical history in the medical record with specific date and results
- Submit results to your local Regional Health Information Organization (RHIO)
- Use correct diagnosis and procedure codes and submit claims and encounter data in a timely manner
- Stock patient areas and exam rooms with educational materials such as those found here:
 - [Health & Wellness - MVP Health Care](#)