

Pediatric Asthma

Short-Acting Beta-agonist (SABA) rescue inhaler medication dispensed

Description

The percentage of patients ages 5 to less than 19 as of the first day of the measurement year who were identified as having asthma, regardless of severity, with 0-2, 3-5, 6 or more SABA inhaler medication fills in the measurement year. A lower percentage of patients with three or more fills indicates better performance.

Calculation

This measure requires administrative data and is calculated as follows:

The percentage of eligible pediatric patients for whom a SABA inhaler medication is dispensed 0-2, 3-5, or 6+ times (numerator divided by denominator).

Definitions

SABA	Example of SABA medication: albuterol, ProAir, Proventil, Ventolin See file "INHALE_SABA_MDI_codes" INHALE_SABA_MDI_codes.xlsx
Dispensed	Prescription was filled, as evidenced by an appropriate pharmacy claim

Eligible Population

Ages	Pediatric patients ages 5 to less than 19 years on the first day of the measurement year.
Enrollment	Patients with at least one Rx claim record (for any medication) who have had continuous enrollment during the measurement year (with no more than 30-day gap and must be enrolled in month 12).
Diagnosis	Diagnosis of asthma, regardless of severity, as specified in the Pediatric Asthma Population Specification.

Specification

Denominator Eligible patients as defined above with at least one Rx claim in the measurement year.

Numerator Eligible patients included in the denominator for whom a SABA inhaler medication is dispensed 0-2, 3-5, or 6+ times in the measurement year. Some individual claims are for multiple fills, and some are reversals/adjustments. To calculate the fill count, divide the QUANTITY_DISPENSED by the minimum METRIC_QUANTITY for the NDC, then sum (positive and negative fill counts) over the measurement period to get the total number of fills.

Exclusions

- See Codes to Identify Exclusions (same as population identification exclusions, HPE)

Codes to Identify Exclusions

Condition Name	Exclusions for Asthma	ICD-10 Code(s)
Cystic Fibrosis		E84.0, E84.1, E84.8, E84.9
Interstitial Lung Disease		J84, J84.0, J84.01, J84.02, J84.03, J84.09, J84.1, J84.10, J84.11, J84.111, J84.112, J84.113, J84.114, J84.115, J84.116, J84.117, J84.17, J84.170, J84.178, J84.2, J84.8, J84.81, J84.82, J84.83, J84.84, J84.841, J84.842, J84.843, J84.848, J84.89, J84.9
Primary Pulmonary Hypertension		I27.0, I227.20, I27.23, I27.24, I27.29
Sarcoidosis		D86.0, D86.9
Other Chronic Lung Disease: Patient with other chronic lung disease that are not asthma or asthma/COPD overlap		J98.4, J98.9
Lung Transplant		Z94.2, Z94.3
Bronchiectasis		J47.0, J47.1, J47.9
Hospice/Palliative care or Discharge status=Expired		<p>ICD 10: Z51.5 (palliative care)</p> <p>UB rev: 0115,0125,0135,0145, 0155,0235,0650,0651,0652,0655,0656, 0657,0658,0659</p> <p>Type of Bill: 10,811,812,813,814, 815,817,818,819,820,821,822,823,824,825,827,828,829</p> <p>Place of service: 34</p> <p>CPT: 0182,G9473,G9474,G9475, G9476,G9477,G9478,G9479,Q5003,Q5004,Q5005,Q5006,Q5007,Q5008,Q5010,S9126,T2042,T2043,T2044,T2045,T2046,99377,99378</p> <p>Discharge status: 50 Hospice - Home; 51 Hospice - Medical Facility (Certified); 20- Expired, 40- Expired at Home, 41- Expired in a Medical facility, 42- Expired - Place Unknown</p>

Notes

- Level of analysis: PO, practice