

COPD

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

Description

The percentage of patients ages 40 and older as of the first day of the measurement year who were identified as having COPD 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 adults 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	Adults ages 40 years or older on the first day of the measurement year.
Enrollment	Patient with at least one Rx claim in the measurement year 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 COPD, as specified in the COPD 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

Exclusions for COPD	
Condition Name	ICD-10 Code(s)
Lung transplant	Z94.2, Z94.3
Cystic Fibrosis	E84.0, E84.1, E84.8, E84.9
Sarcoidosis	D86.0, D86.9
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
Other Chronic Lung Disease	J98.4, J89.9
Asthma	J45.2, J45.20, J45.21, J45.22, J45.3, J45.30, J45.31, J45.32, J45.0, J45.40, J45.41, J45.42, J45.5, J45.50, J45.51, J45.52, J45.901, J45.902, J45.909, J45.990, J45.991, J45.998, J82.83
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