

Adult and Pediatric Asthma, COPD

Oral Corticosteroid (OCS) medication dispensed

Description

The percentage of patients in each defined population (Adult asthma, Pediatric asthma, COPD) with 0, 1, or 2+ OCS medication claims (total number of OCS fill event dates) in the measurement year. A lower proportion with 2+ OCS fills indicates better performance.

Calculation

This measure requires administrative data and is calculated as follows:

The percentage of eligible patients for whom an OCS medication is dispensed 0, 1, or 2+ times (numerator divided by denominator).

Definitions

Oral Corticosteroids Example of OCS medication: Prednisone, Dexamethasone, Prednisolone
See file "**Corticosteroids.xlsx**" [Corticosteroids.xlsx](#) (list of all NDCs codes)

Dispensed Prescription was filled, as evidenced by an appropriate pharmacy claim.

Eligible Population

Ages see population definitions

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 see population definitions

Specification

Denominator Eligible patients as defined above, excluding those with conditions known to be associated with OCS use listed in the table below.

Numerator Eligible patients included in the denominator for whom an OCS medication is dispensed 0, 1, 2+ times (on distinct dates) in the measurement year. Diagnosis codes listed here [OCS other reasons](#) for other possible OCS-related diagnoses (rash, back/arthritis pain). If any of these codes are found to be the primary diagnosis on any medical claim within 2 days preceding the OCS fill, it should be excluded from the fill count, provided there are no disease exacerbations coded in the same 2-day period. Any OCS fill with a DAY_SUPPLY of 28 days or greater should also be excluded from the fill count, since these are likely refills for chronic conditions and not exacerbations. Since some individual claims are reversals/adjustments, to calculate the fill count, first sum the quantity dispensed by date and then count only the dates with a positive quantity to get the total number of fills over the measurement period.

Patient Exclusions

- See Codes to Identify Exclusions (same as population identification exclusions, HPE) and Additional OCS-related Condition Exclusions

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
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,T 2044,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>

Additional OCS-related Condition Exclusions

Condition Name	ICD-10 Code(s)
----------------	----------------

Hyper eosinophilic syndrome	D721
Churg-Strauss syndrome	M301
Eosinophilic pneumonia	J82
Allergic bronchopulmonary aspergilliosis (ABPA)	B4481
Wegener's granulomatosis	M3130, M3131
Vasculitis	I776, D690, D891, M318, I7789, L950, L958, L959, H35061–H35069, M0520–M0529, M318
Systemic lupus erythematosus	M320, M321x, M328, M329
Scleroderma	M340–M342; M3481–M349
Rheumatoid arthritis	M0500–M0609; M061; M0620–M064; M0680–M069
Sjorgren's syndrome	M3500–M3509
Psoriatic arthritis	L4050–L4059
Ulcerative colitis	K5100–K51319; K5140–K51419; K5150–K51519; K5180–K51819; K5190–K51919
Crohn's disease	K5000–K50919
Adrenal insufficiency	E2740, E2749, E273, E278, E279
Polymyalgia rheumatica	M353, M315
Long term (current) use of systemic steroids	Z7952
Transplant	T86x, Z94x

Cancer	C0x - C9x, D0x
--------	----------------

Notes

- Level of analysis: PO, practice