

COPD Identification

I4C Indicator CDM-COPD-001: COPD Identification v 2.0

Category: CDM/COPD

Purpose:

This indicator is used to identify patients with Chronic Obstructive Pulmonary Disease (COPD).

Source:

Based on CPCSSN Case Definitions v2 published July 2019 with additional information on disease codes provided by CIHI.

Base Population:

All patients with an Active demographic status recorded in the EMR who have a confirmed COPD diagnosis or who may be considered for COPD diagnosis based on other EMR data.

Indicator Segments:

COPD Coded: Count of patients confirmed with COPD diagnosis through entry of any of the following diagnosis codes within the current diagnosis/problem section of the cumulative patient profile:

Diagnosis Code(s)	Code System	Diagnosis Description
491 or starting with 491.	ICD-9	Chronic Bronchitis
492 or starting with 492.	ICD-9	Emphysema
493.9	ICD-9	Asthma Unspecified
496	ICD-9	Chronic airway obstruction, not elsewhere classified
J43 or starting with J43.	ICD-10	Emphysema
J44.0	ICD-10	COPD with acute lower respiratory infection
J44.1	ICD-10	COPD with acute exacerbation, unspecified
J44.8	ICD-10	Other specified COPD (chronic bronchitis)
J44.9	ICD-10	COPD unspecified (airway or lung disease, NOS)
196001008	SNOMED-CT	COPD with acute lower respiratory infection
106001000119101	SNOMED-CT	COPD co-occurrent with acute bronchitis
10692721000119102	SNOMED-CT	Chronic obstructive asthma co-occurrent with acute exacerbation of asthma
195951007	SNOMED-CT	Acute exacerbation of chronic obstructive airways disease
285381006	SNOMED-CT	Acute infective exacerbation of chronic obstructive airways disease
1751000119100	SNOMED-CT	Acute exacerbation of chronic obstructive airways disease with asthma
293241000119100	SNOMED-CT	Acute exacerbation of chronic obstructive bronchitis
442025000	SNOMED-CT	Acute exacerbation of chronic asthmatic bronchitis
195949008	SNOMED-CT	Chronic asthmatic bronchitis
59903001	SNOMED-CT	Acute obliterating bronchiolitis
737180005	SNOMED-CT	Chronic bronchiolitis
762618008	SNOMED-CT	Bronchiolitis obliterans syndrome due to and after lung transplantation
401000119107	SNOMED-CT	Asthma with irreversible airway obstruction
185086009	SNOMED-CT	Chronic obstructive bronchitis
233673002	SNOMED-CT	bronchiolite oblitérante médicamenteuse
10692761000119107	SNOMED-CT	Asthma-COPD overlap syndrome
47938003	SNOMED-CT	Chronic obliterative bronchiolitis

40100001	SNOMED-CT	Obliterative bronchiolitis
22482002	SNOMED-CT	Subacute obliterative bronchiolitis
697911002	SNOMED-CT	Pulmonary hypertension due to COPD
13645005	SNOMED-CT	Chronic obstructive lung disease
313297008	SNOMED-CT	Moderate COPD
313299006	SNOMED-CT	Severe COPD
135836000	SNOMED-CT	End stage chronic obstructive airways disease
313296004	SNOMED-CT	Mild COPD

Documented as text but not coded: Count of patients without a coded COPD diagnosis but who may be considered for diagnosis based on any of the following text entered in the problem/diagnosis or past medical/surgical history section of the cumulative patient profile:

- ‘COPD’
- ‘chronic bronchitis’
- ‘emphysema’

Dx in 2+ bills but not coded: Count of patients without a confirmed COPD diagnosis but who may be considered for diagnosis based on two or more bills with an attached diagnosis of 491, 492, or 496.

Medication present but not coded: Count of patients without a confirmed COPD diagnosis but who may be considered for diagnosis based on any of the following medications that have been entered as prescriptions from the EMR’s drug database and are identified as a current (not discontinued) medication:

ATC Code (and all sub-codes):	Medication Name/Class
R03BB	Anticholinergics
R03AK04	Salbutamol and Sodium Cromoglicate
R03AL	Adrenergics in combination with Anticholinergics including Triple Combinations with Corticosteroids

Not-coded Total: Unique count of patients without a confirmed COPD diagnosis but who may be considered for diagnosis based on COPD documented with a text diagnosis or problem, Dx in 2+ bills, or a COPD medication currently prescribed.

Suggested Indicator Use:

Physician or practice use of this indicator is to review charts in the “not-coded” segments and add a COPD diagnosis code to the patient chart where an appropriate diagnosis can be confirmed.