

# COPD Pneumococcal Immunization

## OntarioMD i4C Dashboard Indicator

For more information regarding OntarioMD Indicators or the EMR i4C Dashboard Specification, please refer to:

<https://www.ontariomd.ca/emr-certification/emr-specification/ontariomd-indicator-library>

## 1. VERSION HISTORY

INDICATOR VERSION	PUBLICATION DATE	REMARKS
1.0	2020-01-31	<ul style="list-style-type: none"> <li>Initial Release</li> </ul>
2.0	2020-06-15	<ul style="list-style-type: none"> <li>•</li> <li>• New segments defined: COPD patients receiving both a pneumococcal conjugate (Pneu-C-13) or polysaccharide (Pneu-P-23), COPD patients receiving only Pneu-C-13, COPD patients receiving only Pneu-P-23, COPD patients who have received neither Pneu-P-23 nor Pneu-C-23</li> <li>• Include all codes within ICD-9, ICD-10 top-level hierarchies (491, 492, J43)</li> <li>• Removal of Description and Indicator User Help content. Content will be maintained within a separate document in the i4C Dashboard Indicator Library.</li> </ul>

## 2. INDICATOR DEFINITION

### 2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	CDM-COPD-006
Indicator Name	COPD Pneumococcal Immunization
Indicator Version	2.0
Date Published	2020-06-15
Description	Indicator description is part of the User Help content, now maintained in a separate document within the i4C Dashboard Indicator Library
Source	HQO
Source Description	Based on the HQO Quality Standards for COPD Published 2018 along with the Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease 2020 Report.
Status	Active
Category	CDM

Subcategory	COPD
Indicator Order	6
Indicator Graphic Type	Bar Chart, Pie Chart or Stacked Bar Chart
Indicator Graphic Notes	<p>Indicator can be displayed as an individual pie chart or bar chart, or as a stacked bar chart representing the following group of indicators:</p> <ul style="list-style-type: none"> <li>• CDM-COPD-003</li> <li>• CDM-COPD-004</li> <li>• CDM-COPD-005</li> <li>• CDM-COPD-006</li> </ul> <p>For the stacked bar option, each bar must be labelled with the indicator name and each bar segment represents an indicator segment.</p>
Indicator User Help	User Help content is now maintained in a separate document within the i4C Dashboard Indicator Library.
Indicator Query Segment Notes	<p>ACTIVE PATIENTS are patients identified as 'Active' in the Patient Status data element (DE01.016) within Patient Demographics</p> <p>COPD CODED DIAGNOSIS is any of the following codes captured in the Diagnosis/Problem data element (DE06.004) within Ongoing Health:</p> <ul style="list-style-type: none"> <li>• 491, 491.*, 492, 492.*, 493.9, 496 (ICD-9 Coding System)</li> <li>• J43, J43.*, J44.0, J44.1, J44.8, J44.9 (ICD-10 Coding System)</li> <li>• 196001008, 106001000119101, 10692721000119102, 195951007, 285381006, 1751000119100, 293241000119100, 442025000, 195949008, 59903001, 737180005, 762618008, 401000119107, 185086009, 233673002, 10692761000119107, 47938003, 40100001, 22482002, 697911002, 13645005, 313297008, 313299006, 135836000, 313296004 (SNOMED-CT Coding System)</li> </ul> <p>PNEUMOCOCCAL CONJUGATE is a pneumococcal conjugate (Pneu-C-13) vaccine documented within Immunizations (DE08), and is identified either by Immunization Name (DE08.001), Immunization Code (DE08.002) or Immunization Type (DE08.003) WHERE data element Refused Indicator (DE08.011) identifies the immunization as 'administered'.</p>

	<p>PNEUMOCOCCAL POLYSACCHARIDE is a pneumococcal polysaccharide (Pneu-P-23) vaccine documented within Immunizations (DE08), and is identified either by Immunization Name (DE08.001), Immunization Code (DE08.002) or Immunization Type (DE08.003) WHERE data element Refused Indicator (DE08.011) identifies the immunization as 'administered'.</p>
Patient List Notes	<p>PATIENT NAME is a combination of First Name (DE01.003) and Last Name (DE01.002) data items from Patient Demographics. Names may be displayed either as separate columns or concatenated into one column.</p> <p>UNIQUE PATIENT IDENTIFIER is any data item from Patient Demographics that can be used by a physician or clinic to uniquely identify a patient when displayed. Examples include Health Card Number (DE01.008) or Chart Number (DE01.012)</p> <p>PATIENT DATE OF BIRTH is captured into Patient Demographics as Date of Birth (DE01.007)</p> <p>PATIENT AGE is a calculated data item representing the difference between the current date and Date of Birth (DE01.007) from Patient Demographics. Age should be displayed in years.</p> <p>PATIENT PHONE NUMBER is the preferred phone number for contacting a patient, and may include Residence Phone [DE02.007], Cell Phone [DE02.008] or Work Phone [DE02.009] from Patient Address.</p>

## 2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	Pneumococcal Conjugate and Polysaccharide received	Yes	COUNT OF: Active patients WITH a coded diagnosis of COPD AND WITH a pneumococcal conjugate documented AND WITH a pneumococcal polysaccharide documented	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth  <b>Optional</b> Patient Age Patient Phone Number

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
2	Only Pneumococcal Conjugate received	Yes	COUNT OF: Active patients WITH a coded diagnosis of COPD AND WITH a pneumococcal conjugate documented AND WITHOUT a pneumococcal polysaccharide documented	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth  <b>Optional</b> Patient Age Patient Phone Number
3	Only Pneumococcal Polysaccharide received	Yes	COUNT OF: Active patients WITH a coded diagnosis of COPD AND WITHOUT a pneumococcal conjugate documented AND WITH a pneumococcal polysaccharide documented	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth  <b>Optional</b> Patient Age Patient Phone Number
4	No Pneumococcal received	Yes	COUNT OF: Active patients WITH a coded diagnosis of COPD AND WITHOUT a pneumococcal conjugate documented AND WITHOUT a pneumococcal polysaccharide documented	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth  <b>Optional</b> Patient Age Patient Phone Number