

# Preventive Care Bonus Childhood Immunizations

## 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	2019-02-18	<ul style="list-style-type: none"> <li>Initial release</li> </ul>
2.0	2019-07-09	<ul style="list-style-type: none"> <li>Added Indicator ID, Indicator Segment ID and Display Indicator Segment properties</li> <li>Changed format and content of Indicator User Help</li> <li>Changed format of Source property</li> <li>Indicator Segment IDs re-sequenced to provide consistency across indicators</li> <li>Indicator Segment Query Criteria clarifies that query result from a segment should produce a count of patients</li> </ul>

## 2. INDICATOR DEFINITION

### 2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	CARE-BNS-004
Indicator Name	Preventive Care Bonus Childhood Immunizations
Indicator Version	2.0
Date Published	2019-07-09
Description	<p><b>Purpose:</b></p> <p>This indicator is used to review the percentage of patients meeting the criteria for the preventive care bonus.</p> <p><b>Base Population:</b></p> <p>All rostered patients who are between 30 and 42 months of age, inclusive, as of March 31 of the fiscal year for which the bonus is being claimed.</p> <p><b>Indicator Segments:</b></p> <p>Indicator segments provide counts of patients who have received a complete set of immunizations as of March 31 of the relevant fiscal year and patients who are missing one or more immunizations as of March 31.</p> <p><b>Suggested Indicator Use:</b></p> <p>Physician or practice use of this indicator is to determine the preventive care bonus for which the physician is eligible to claim. This indicator should not be used for patient care or to identify patients overdue for immunizations.</p>

PROPERTY	VALUE
	<b>Measurements of Interest:</b> Percentage of patients with immunizations complete out of the base population.
Source	MOHLTC
Source Description	Cumulative Preventive Care Enhancement Codes
Status	Active
Category	Care Bonus
Subcategory	Care Bonus
Indicator Order	4
Indicator Graphic Type	Pie Chart, Bar Chart
Indicator Graphic Notes	
Indicator User Help	<b>Preventive Care Bonus: Childhood Immunizations</b>  <b>Purpose:</b> This indicator is used to review the percentage of patients meeting the criteria for the preventive care bonus.  <b>Base Population:</b> All rostered patients who are between 30 and 42 months of age, inclusive, as of March 31 of the fiscal year for which the bonus is being claimed.

PROPERTY	VALUE
	<p><b>Indicator Segments:</b></p> <p>Indicator segments provide counts of patients who have received a complete set of immunizations as of March 31 of the relevant fiscal year and patients who are missing one or more immunizations as of March 31.</p> <p><b>Suggested Indicator Use:</b></p> <p>Physician or practice use of this indicator is to determine the preventive care bonus for which the physician is eligible to claim. This indicator should not be used for patient care or to identify patients overdue for immunizations.</p> <p><b>Measurements of Interest:</b></p> <p>Percentage of patients with immunizations complete out of the base population.</p> <p><b>Metric Criteria:</b></p> <p><u>Incomplete:</u> WITHOUT all of the following complete, by their 30<sup>th</sup> month of age:</p> <ul style="list-style-type: none"> <li>• 4 instances of DTaP-IPV-Hib</li> <li>• 3 instances of Pneumococcal conjugate</li> <li>• 1 instance of Meningococcal Conjugate C</li> <li>• 1 instance of Measles, Mumps and Rubella</li> <li>• 1 instance of Varicella</li> </ul> <p>AND WITHOUT a Tracking Code of Q132A entered</p> <p><u>Complete:</u> WITH all of the following complete, by their 30th month of age:</p> <ul style="list-style-type: none"> <li>• 4 instances of DTaP-IPV-Hib</li> <li>• 3 instances of Pneumococcal conjugate</li> <li>• 1 instance of Meningococcal Conjugate C</li> <li>• 1 instance of Measles, Mumps and Rubella</li> <li>• 1 instance of Varicella</li> </ul> <p>OR WITH a Tracking Code of Q132A entered</p>

## 2.2 Indicator Segment Properties

PROPERTY	VALUE	VALUE
Indicator Segment ID	1	2
Indicator Segment Label	Complete	Incomplete
Display Indicator Segment	Yes	Yes
Indicator Segment Query Criteria	<p><b>COUNT OF:</b></p> <p>Active, rostered patients, age 30-42 months as of March 31 of the current fiscal year</p> <p><b>AND WITH</b> Tracking Code Q132A billed for patient</p> <p><b>OR</b></p> <p>(<b>WITH</b> at least 4 instances of DTaP-IPV-Hib documented</p> <p><b>AND WITH</b> at least 3 instances of Pneumococcal conjugate documented</p> <p><b>AND WITH</b> at least 1 instance of Meningococcal Conjugate C documented</p> <p><b>AND WITH</b> at least 1 instance of Measles/Mumps/Rubella (MMR) documented</p> <p><b>AND WITH</b> at least 1 instance of Varicella documented)</p>	<p><b>COUNT OF:</b></p> <p>Active, rostered patients, age 30-42 months as of March 31 of the current fiscal year</p> <p><b>AND WITH</b></p> <p>( less than 4 instances of DTaP-IPV-Hib documented <b>OR</b></p> <p>less than 3 instances of Pneumococcal conjugate documented <b>OR</b></p> <p>less than 1 instance of Meningococcal Conjugate C documented <b>OR</b></p> <p>less than 1 instance of MMR documented <b>OR</b></p> <p>less than 1 instance of Varicella documented )</p> <p><b>AND WITHOUT</b> Tracking Code Q132A billed for patient</p>
Indicator Segment Query Notes	<p><b>Active Patients</b> are patients identified as 'Active' in the <i>Patient Status data</i> element (DE01.016) within <i>Patient Demographics</i>.</p> <p><b>Rostered Patients</b> are patients identified as 'Enrolled' in the <i>Enrollment Status data</i> element (DE01.019) within <i>Patient Demographics</i>.</p>	

PROPERTY	VALUE	VALUE
	<p><b>Patient Age</b> can be calculated based on the difference between March 31 of the <i>current fiscal year</i> and the patient's date of birth captured in the <i>Date of Birth</i> data element (DE01.007) within <i>Patient Demographics</i>.</p> <p><b>Current Fiscal Year:</b></p> <p><b>IF</b> current date &lt;= March 31, <b>THEN</b> the fiscal year starts April 1 of the previous calendar year and ends March 31 of the current calendar year</p> <p><b>ELSE</b> fiscal year starts April 1 of the current calendar year and ends March 31 of the next calendar year</p> <p><b>DTaP-IPV-Hib, Pneumococcal conjugate, Meningococcal Conjugate C, Measles/Mumps/Rubella (MMR), Varicella</b> are documented within <i>Immunizations</i> (DE08), and are identified either by <i>Immunization Name</i> (DE08.001), <i>Immunization Code</i> (DE08.002) or <i>Immunization Type</i> (DE08.003) <b>WHERE</b> data element <i>Refused Indicator</i> (DE08.011) identifies the immunization as 'administered'.</p>	
Patient List Criteria	<p><b>Mandatory</b></p> <p>Patient Name</p> <p>Unique Patient Identifier</p> <p><b>Optional</b></p> <p>Patient Date of Birth</p> <p>Patient Age(as of March 31)</p> <p>Patient Phone Number</p> <p>Latest Q132A Tracking Code</p> <p>DTaP Count</p> <p>Pneumococcal Count</p> <p>Meningococcal Count</p> <p>MMR Count</p> <p>Varicella Count</p>	<p><b>Mandatory</b></p> <p>Patient Name</p> <p>Unique Patient Identifier</p> <p><b>Optional</b></p> <p>Patient Date of Birth</p> <p>Patient Age(as of March 31)</p> <p>Patient Phone Number</p> <p>Latest Q132A Tracking Code</p> <p>DTaP Count</p> <p>DTaP Refusal</p> <p>Pneumococcal Count</p> <p>Pneumococcal Refusal</p> <p>Meningococcal Count</p>

PROPERTY	VALUE	VALUE
	Rotavirus Count	Meningococcal Refusal MMR Count MMR Refusal Varicella Count Varicella Refusal Rotavirus Count Rotavirus Refusal
Patient List Notes	<p><b>Patient Name</b> is a combination of First Name (<i>DE01.003</i>) and Last Name (<i>DE01.002</i>) data items from <i>Patient Demographics</i>. Names may be displayed either as separate columns or concatenated into one column.</p> <p><b>Unique Patient Identifier</b> is any data item from <i>Patient Demographics</i> that can be used by a physician or clinic to uniquely identify a patient when displayed. Examples include Health Card Number (<i>DE01.008</i>) or Chart Number (<i>DE01.012</i>)</p> <p><b>Patient Date of Birth</b> is captured into <i>Patient Demographics</i> as <i>Date of Birth</i> (<i>DE01.007</i>)</p> <p><b>Patient Age as of March 31</b> is calculated data item representing the difference between March 31 of the current fiscal year and <i>Date of Birth</i> (<i>DE01.007</i>) from <i>Patient Demographics</i>. Age should be displayed in years.</p> <p><b>Patient Phone Number</b> is the preferred phone number for contacting a patient and may include Residence Phone (<i>DE02.007</i>), Cell Phone (<i>DE02.008</i>) or Work Phone (<i>DE02.009</i>) from <i>Patient Address</i>.</p> <p><b>Latest Q132A Tracking Code</b> is the date of the most recent billing for the Q132A Tracking Code.</p> <p><b>DTaP Count</b> is the count of documented <i>DTaPIP-V-Hib</i> immunizations administered between age 30-42 months.</p>	



PROPERTY	VALUE	VALUE
	<p><b>Pneumococcal Count</b> is the count of documented <i>Pneumococcal conjugate</i> immunizations administered between age 30-42 months.</p> <p><b>Meningococcal Count</b> is the count of documented <i>Meningococcal Conjugate C</i> immunizations administered between age 30-42 months.</p> <p><b>MMR Count</b> is the count of documented <i>Measles/Mumps/Rubella</i> immunizations administered between age 30-42 months.</p> <p><b>Varicella Count</b> is the count of documented <i>Varicella</i> immunizations administered between age 30-42 months.</p> <p><b>Rotavirus Count</b> is the count of documented <i>Rotavirus</i> immunizations administered between age 30-42 months.</p> <p><b>DTaP Refusal</b> displays whether a <i>DTaP-IPV-Hib Refused</i> has been documented in the past 12 months.</p> <p><b>Pneumococcal Refusal</b> displays whether a <i>Pneumococcal conjugate Refused</i> has been documented in the past 12 months.</p> <p><b>Meningococcal Refusal</b> displays whether a <i>Meningococcal Conjugate C Refused</i> has been documented in the past 12 months.</p> <p><b>MMR Refusal</b> displays whether an <i>MMR Refused</i> has been documented in the past 12 months.</p> <p><b>Varicella Refusal</b> displays whether a <i>Varicella Refused</i> has been documented in the past 12 months.</p> <p><b>Rotavirus Refusal</b> displays whether a <i>Rotavirus Refused</i> has been documented in the past 12 months.</p> <p>Display options for immunization refusal columns may include 'Refused', 'Yes', 'Y', etc. or the date when the most recent refusal was documented.</p> <p><b>Rotavirus</b> is included in the patient list criteria even though it is not required as part of the Complete criteria.</p>	