Patient Care 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	• Initial release
2.0	2019-07-09	• Add patient rostering status and date as optional columns in the Patient List Criteria • Added Indicator ID, Indicator Segment ID and Display Indicator Segment properties • Changed format and content of Indicator User Help • Changed format of Source property • Indicator Segment IDs re-sequenced to provide consistency across indicators • Indicator Segment Query Criteria clarifies that query result from a segment should produce a count of patients
2.1	2020-06-15	• Clarified use of "roster" terminology to identify a patient status of either enrolled or active. • Layout of definition file changed to improve readability of indicator segment properties • Description and User Help content now contained in separate document. Description and User Help attributes in definition now contain wording to confirm content is kept separately

2. INDICATOR DEFINITION

2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	PHC-IMM-001
Indicator Name	Patient Care Childhood Immunizations
Indicator Version	2.1
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 Indictor Library.
Source	AFHTO
Source Description	Based on the AFHTO indicator framework, version D2D 5.0 v1 published Jun 2017.
Status	Active
Category	Preventive Health Care
Subcategory	Immunizations
Indicator Order	1
Indicator Graphic Type	Pie or Bar Chart
Indicator Graphic Notes	
Indicator User Help	User Help content is now maintained in a separate document within the i4C Dashboard Indicator Library.

PROPERTY	VALUE
Indicator Segment Query Notes	**Active Patients** are patients identified as 'Active' in the Patient Status data element *(DE01.016)* within *Patient Demographics.* **Patient Age** can be calculated based on the difference between the current date and the patient's date of birth captured in the Date of Birth data element *(DE01.007)* within *Patient Demographics.* **DTaP-IPV-Hib , Pneumococcal conjugate, Meningococcal Conjugate C, Measles/Mumps/Rubella (MMR), Varicella** are documented within *Immunizations (DE08)*, and are 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'. **DTaP-IPV-Hib Refused, Pneumococcal conjugate Refused, Meningococcal Conjugate C Refused, MMR Refused, Varicella Refused** are documented within *Immunizations (DE08)*, and are 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 'refused'.
Patient List Notes	**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. **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).* **Patient Date of Birth** is captured into *Patient Demographics* as Date of Birth *(DE01.007).* **Patient Age** is 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. **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*. **Patient Enrollment Status** represents whether the patient is currently enrolled, was enrolled but has been terminated, or has never been enrolled, and is captured into *Patient Demographics* as Enrollment Status *(DE01.019)* **Patient Enrollment Date** represents the date when a patient has been most recently enrolled or terminated by the clinic. If the patient is currently enrolled, then the date displayed will be the Enrollment Date *(DE01.020)* from *Patient Demographics*. If the patient is currently terminated, then the date displayed will be the Enrollment Termination Date *(DE01.021)* from *Patient Demographics*. If the patient has never been enrolled, then the date will be displayed as a null or blank value. **DTaP Count** is the count of documented *DTaP-IPV- Hib* immunizations administered between age 30-42 months. **Pneumococcal Count** is the count of documented *Pneumococcal conjugate* immunizations administered between age 30-42 months

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

2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	Complete	Yes	**COUNT OF:** Active patients, age 30-42 months **WITH** at least 4 instances of DTaP-IPV-Hib documented **AND WITH** at least 3 instances of Pneumococcal conjugate documented **AND WITH** at least 1 instance of Meningococcal Conjugate C documented **AND WITH** at least 1 instance of Measles/Mumps/Rubella (MMR) documented **AND WITH** at least 1 instance of Varicella documented	**Mandatory** Patient Name Unique Patient Identifier Patient Date of Birth **Optional** Patient Age Patient Phone Number Patient Enrollment Status Patient Enrollment Date DTaP Count Pneumococcal Count Meningococcal Count MMR Count Varicella Count Rotavirus Count
2	Incomplete	Yes	**COUNT OF:** Active patients, age 30-42 months **WITH** **(** < 4 instances of DTaP-IPV-Hib documented OR < 3 instances of Pneumococcal conjugate documented OR < 1 instance of Meningococcal Conjugate C documented OR < 1 instance of MMR documented OR < 1 instance of Varicella documented **)** **AND WITHOUT** DTaP-IPV-Hib refused documented in the past 12 months **AND WITHOUT** Pneumococcal conjugate refused documented in the past 12 months **AND WITHOUT** Meningococcal Conjugate C refused documented in the past 12 months **AND WITHOUT** MMR refused documented in the past 12 months **AND WITHOUT** Varicella refused documented in the past 12 months	**Mandatory** Patient Name Unique Patient Identifier Patient Date of Birth **Optional** Patient Age Patient Phone Number Patient Enrollment Status Patient Enrollemtn Date DTaP Count Pneumococcal Count Meningococcal Count MMR Count Varicella Count Rotavirus Count

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
3	Refused one or more	Yes	**COUNT OF:** Active patients, age 30-42 months **WITH** **(** less than 4 instances of DTaP-IPV-Hib documented AND A DTaP-IPV-Hib refused documented in the past 12 months **)** **OR WITH** **(** less than 3 instances of Pneumococcal conjugate documented AND A Pneumococcal conjugate refused documented in the past 12 months **)** **OR WITH** **(** less than 1 instance of Meningococcal Conjugate C documented AND A Meningococcal Conjugate C refused documented in the past 12 months **)** **OR WITH** **(** less than 1 instance of MMR documented AND An MMR refused documented in the past 12 months **)** **OR WITH** **(** less than 1 instance of Varicella documented AND A Varicella refused documented in the past 12 months **)**	**Mandatory** Patient Name Unique Patient Identifier Patient Date of Birth **Optional** Patient Age Patient Phone Number Patient Enrollment Status Patient Enrollment Date DTaP Count DTaP Refusal Pneumococcal Count Pneumococcal Refusal Meningococcal Count Meningococcal Refusal MMR Count MMR Refusal Varicella Count Varicella Refusal