

Diabetes with HbA1c In Range

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"> Initial release
2.0	2019-07-09	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Indicator Segment Query wording clarifies that ICD-9 and ICD-10 diagnoses searches should include all codes within top-level category given Removal of SNOMET-RT codes recommended since SNOMED-RT has been formally deprecated for use and is no longer supported 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	CDM-DIAB-003
Indicator Name	Diabetes with HbA1c In Range
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 Indicator Library.
Source	AFHTO
Source Description	Based on AFHTO D2D 5.0 v14 Jun 2017 and enhanced for clinician usability within an EMR.
Status	Active
Category	CDM
Subcategory	Diabetes
Indicator Order	3
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	<p>Active Patients are patients identified as 'Active' in the <i>Patient Status</i> data element (DE01.016) within <i>Patient Demographics</i>.</p> <p>Diabetes Coded Diagnosis is any of the following codes captured in the <i>Diagnosis/Problem</i> (DE06.004) within <i>Ongoing Health</i>:</p> <ul style="list-style-type: none"> • 250* (ICD-9 Coding System) • E10*, E11* (ICD-10 Coding System) • 46635009, 44054006, 73211009 (SNOMED-CT Coding System) <p>ICD-9 and ICD-10 are hierarchical coding systems built on general categories and (optional) specific subcategories. A dot separator is used to separate category from subcategory in representing a code. Some EMR offerings omit the dot separator in representing codes in data capture and EMR data searches. For these EMRs, vendors will omit the dot separator in searches and queries.</p> <p>A category code followed by a dot separator and asterisk (e.g., 250*) means that the search should include the high-level category (250) along with all subcategories within the hierarchy (e.g., 250.0, 250.1, 250.11, etc.)</p> <p>Documented HbA1c Test is a value captured within <i>Laboratory Test Results</i> (DE10) for an HbA1c Test. Test names may be identified using EMR's proprietary test names, laboratory proprietary test codes or test names, or LOINC codes which cross-reference test names across different EMR and laboratory test names.</p> <p>HbA1c value is captured in <i>Result Value</i> (DE10.007) within <i>Laboratory Test Results</i> (DE10) either through an EMR lab interface or as a manual lab test entry. Results through a lab interface are normally formatted as a decimal value, e.g. .075, but are interpreted as an HbA1c value of 7.5%.</p>
Patient List Notes	<p>Patient Name is a combination of First Name (DE01.003) and Last Name (DE01.002) data items from <i>Patient Demographics</i>. Names may be displayed either as separate columns or concatenated into one column.</p> <p>Unique Patient Identifier 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 (DE01.008) or Chart Number (DE01.012).</p> <p>Patient Date of Birth is captured into <i>Patient Demographics</i> 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 <i>Patient Demographics</i>. 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 <i>Patient Address</i>.</p> <p>Latest HbA1c Screening represents the result and/or date from the latest documented screening for the HbA1c test.</p> <p>Last Seen Date is a date representing the last time a patient was seen by the physician or another clinician within the clinic. This may be based on <i>Appointment Date/Time</i> (DE15.001), where appointments with status of 'No Show', 'Cancelled', or 'Deleted' are</p>

PROPERTY	VALUE
	<p>excluded, or this may be based on any additional documentation supported by the EMR to track when a patient has last been seen (e.g., encounter notes).</p> <p>Next Appointment Date is a date representing the next time a patient is scheduled to be seen by the physician or another clinician within the clinic. This may be based on <i>Appointment Date/Time (DE15.001)</i>.</p>

2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	2 HbA1c <= 7%	Yes	COUNT OF: Active patients WITH a coded diagnosis of Diabetes AND WITH >= 1 documented HbA1c tests in the last 12 months AND WITH the latest documented HbA1c value <= 7%	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Latest HbA1c Screening Last Seen Date Next Appointment Date
2	7% < HbA1c <= 8.5%	Yes	COUNT OF: Active patients WITH a coded diagnosis of Diabetes AND WITH >= 1 documented HbA1c tests in the last 12 months AND WITH the latest documented HbA1c value > 7% and <= 8.5%	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Latest HbA1c Screening Last Seen Date Next Appointment Date
3	HbA1c > 8.5%	Yes	COUNT OF: Active patients WITH a coded diagnosis of Diabetes AND WITH >= 1 documented HbA1c tests in the last 12 months AND WITH the latest documented HbA1c value > 8.5%	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Latest HbA1c Screening Last Seen Date Next Appointment Date

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
4	HbA1c not done > 12 months	Yes	COUNT OF: Active patients WITH a coded diagnosis of Diabetes AND WITHOUT any documented HbA1c tests in the last 12 months	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Latest HbA1c Screening Last Seen Date Next Appointment Date