

Diabetes HbA1c Testing Status

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. INDICATOR DEFINITION

2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	CDM-DIAB-002
Indicator Name	Diabetes HbA1c Testing Status
Indicator Version	2.0
Date Published	2019-07-09
Description	<p>Purpose:</p> <p>This indicator is used to identify patients with diabetes who have had less than two HbA1c tests within the past 12 months.</p> <p>Base Population:</p> <p>All patients age 18 and over with an Active demographic status recorded in the EMR who have a confirmed Diabetes diagnosis through the entry of an appropriate diagnosis code.</p> <p>Indicator Segments:</p> <p>Indicator segments provide the following patient summaries:</p> <ul style="list-style-type: none"> Count of patients with 2+ HbA1c tests recorded in the past 12 months; Count of patients with < 2 HbA1c tests recorded in the past 12 months where the most recent test was recorded <= 6 months ago; Count of patients with < 2 HbA1c tests recorded in the past 12 months where the most recent test was recorded > 6 months ago;

PROPERTY	VALUE
	<p>Suggested Indicator Use:</p> <p>A physician or Practice use of this indicator is to review patient charts with < 2 HbA1c for possible recall or other follow-up action.</p> <p>Measurements of Interest:</p> <p>Percentage of patients with 2+ HbA1c tests in the past 12 months out of the base population.</p>
Source	HQO
Source Description	Based on HQO indicator framework version published October 2015 and enhanced for clinician usability within an EMR.
Status	Active
Category	CDM
Subcategory	Diabetes
Indicator Order	2
Indicator Graphic Type	Pie Chart, Bar Chart
Indicator Graphic Notes	
Indicator User Help	<p>Diabetics 40+: HbA1c Testing Status</p> <p>Purpose:</p> <p>This indicator is used to identify patients with diabetes who have had less than two HbA1c tests within the past 12 months.</p> <p>Base Population:</p> <p>All patients age 40 and over with an Active demographic status recorded in the EMR who have a confirmed diabetes diagnosis through the entry of an appropriate diagnosis code.</p>

PROPERTY	VALUE
	<p>Indicator Segments:</p> <p>Indicator segments provide the following patient summaries:</p> <ul style="list-style-type: none"> • Count of patients with 2+ HbA1c tests recorded in the past 12 months; • Count of patients with < 2 HbA1c tests recorded in the past 12 months where the most recent test was recorded <= 6 months ago; • Count of patients with < 2 HbA1c tests recorded in the past 12 months where the most recent test was recorded > 6 months ago <p>Suggested Indicator Use:</p> <p>Physician or Practice use of this indicator is to review patient charts with < 2 HbA1c for possible recall or other follow-up action.</p> <p>Measurements of Interest:</p> <p>Percentage of patients with 2+ HbA1c tests in the past 12 months out of the base population.</p>

PROPERTY	VALUE
	Metric Criteria¹: <u><2 HbA1c in past yr, > 6 months since last:</u> WITH less than 2 HbA1c results in the last 12 months and > 6 months since the last test <u><2 HbA1c in past yr, <= 6 months since last:</u> WITH less than 2 HbA1c results in the last 12 months and <= 6 months since the last test <u>2+ HbA1c in past yr:</u> WITH 2 or more HbA1c results in the last 12 months

¹ Optional: Implementer may include EMR-specific information on the workflow for documenting HbA1c screening.

2.2 Indicator Segment Properties

PROPERTY	VALUE	VALUE	VALUE
Indicator Segment ID	1	2	3
Indicator Segment Label	2+ HbA1c in past year	< 2 HbA1c in past yr, <= 6 months since last test	< 2 HbA1c in past yr, > 6 months since last test
Display Indicator Segment	Yes	Yes	Yes
Indicator Segment Query Criteria	COUNT OF: Active patients age 40 and over WITH a coded diagnosis of Diabetes AND WITH 2 or more documented HbA1c screenings in the last 12 months	COUNT OF: Active patients age 40 and over WITH a coded diagnosis of Diabetes AND WITH less than 2 documented HbA1c screenings in the last 12 months AND WITH the most recent HbA1c screening documented <= 6 months ago	COUNT OF: Active patients age 40 and over WITH a coded diagnosis of Diabetes AND WITH less than 2 documented HbA1c screenings in the last 12 months AND WITH the most recent HbA1c screening documented > 6 months ago
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>Patient Age can be calculated based on the difference between the current date 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>Diabetes Coded Diagnosis is any of the following codes captured in the <i>Diagnosis/Problem</i> data element (DE06.004) within <i>Ongoing Health</i>:</p> <p>250 (ICD-9 Coding System)</p> <p>E10, E11 (ICD-10 Coding System)</p> <p>DB-610 (SNOMED-RT Coding System)</p> <p>46635009, 44054006, 73211009 (SNOMED-CT Coding System)</p>		

PROPERTY	VALUE	VALUE	VALUE
	Documented HbA1c Screening: is a value captured within <i>Laboratory Test Results (DE10)</i> 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.		
Patient List Criteria	Mandatory Patient Name Unique Patient Identifier Optional Patient Date of Birth Patient Age Patient Phone Number Count of HbA1c Screenings in the last 12 months	Mandatory Patient Name Unique Patient Identifier Optional Patient Date of Birth Patient Age Patient Phone Number Count of HbA1c Screenings in the last 12 months Latest HbA1c Screening Next Appointment Date	Mandatory Patient Name Unique Patient Identifier Optional Patient Date of Birth Patient Age Patient Phone Number Count of HbA1c Screenings in the last 12 months Latest HbA1c Screening Next Appointment Date
Patient List Notes	<p>Patient Name 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>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 (<i>DE01.008</i>) or Chart Number (<i>DE01.012</i>).</p> <p>Patient Date of Birth is captured into <i>Patient Demographics</i> as <i>Date of Birth (DE01.007)</i>.</p>		

PROPERTY	VALUE	VALUE	VALUE
	<p>Patient Age is a calculated data item representing the difference between the current date and <i>Date of Birth (DE01.007)</i> 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 (<i>DE02.007</i>), Cell Phone (<i>DE02.008</i>) or Work Phone (<i>DE02.009</i>) from <i>Patient Address</i>.</p> <p>Count of HbA1c Screenings in the last 12 months is the total count of HbA1c screening results documented in <i>Laboratory Test Results (DE10)</i> within the last 12 months.</p> <p>Latest HbA1c Screening represents the result and/or date from the latest documented screening for the HbA1c test.</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>		