

HTN Overdue Items

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 segments to represent patients up-to-date for BP, A1C screening, and Obesity Screening 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-HTN-003
Indicator Name	HTN Overdue Items
Indicator Version	2.0
Date Published	2019-07-09
Description	<p>Purpose:</p> <p>This indicator is used to identify patients missing specific elements of care used in the Hypertension Testing Status indicator.</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 HTN diagnosis through the entry of an appropriate diagnosis code.</p> <p>Indicator Segments:</p> <p>Indicator segments provide counts of patients with a specific element of care overdue: Documented Blood Pressure measurement in the last 12 months, documented blood glucose or HbA1c screening in the last 12 months, and documented obesity/overweight screening in the last 12 months.</p> <p>Suggested Indicator Use:</p> <p>Physician or Practice use of this indicator is to prioritize recall of patients based on specific overdue elements of care.</p>

PROPERTY	VALUE
	Measurements of Interest: <ul style="list-style-type: none"> Percentage of patients with BP measurement overdue out of all patients in the base population; Percentage of patients with blood glucose/HbA1c screening overdue out of all patients in the base population; Percentage of patients with obesity/overweight screening overdue out of all patients in the base population.
Source	CIHI
Source Description	Based on the CIHI indicator framework version published in 2012.
Status	Active
Category	CDM
Subcategory	Hypertension
Indicator Order	3
Indicator Graphic Type	Bar Chart
Indicator Graphic Notes	
Indicator User Help	<p>Overdue Items for Hypertensive Pts 18+</p> <p>Purpose:</p> <p>This indicator is used to identify patients missing specific elements of care used in the Hypertension Testing Status indicator.</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 HTN diagnosis through the entry of an appropriate diagnosis code.</p>

PROPERTY	VALUE
	<p>Indicator Segments:</p> <p>Indicator segments provide counts of patients with a specific element of care overdue: Documented Blood Pressure measurement in the last 12 months, documented blood glucose or HbA1c screening in the last 12 months, and documented obesity/overweight screening in the last 12 months.</p> <p>Suggested Indicator Use:</p> <p>Physician or Practice use of this indicator is to prioritize recall of patients based on specific overdue elements of care.</p> <p>Measurements of Interest:</p> <ul style="list-style-type: none"> • Percentage of patients with BP measurement overdue out of all patients in the base population; • Percentage of patients with blood glucose/HbA1c screening overdue out of all patients in the base population; • Percentage of patients with obesity/overweight screening overdue out of all patients in the base population. <p>Metric Criteria:</p> <p><u>BP overdue</u>¹: WITHOUT BP documented in the last 12 months</p>

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

PROPERTY	VALUE
	<p><u>Blood glucose or HbA1C overdue</u>²: WITHOUT Fasting Blood sugar OR Random Blood sugar OR HbA1C result, documented in the last 12 months</p> <p><u>Obesity screen overdue</u>³: WITHOUT BMI OR height and weight OR height and waist circumference, documented in the last 12 months</p>

² Optional: Implementer may include EMR-specific information on the workflow for documenting Blood Glucose or HbA1C screening.

³ Optional: Implementer may include EMR-specific information on the workflow for documenting Obesity/overweight screening.

2.2 Indicator Segment Properties

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
Indicator Segment ID	1	2	3	4	5	6
Indicator Segment Label	Blood glucose or HbA1c overdue	Blood glucose or HbA1c up to date	BP overdue	BP up to date	Obesity screen overdue	Obesity screen up to date
Display Indicator Segment	Yes	No	Yes	No	Yes	No
Indicator Segment Query Criteria	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension AND WITHOUT a documented Blood Glucose or HbA1c screening in the last 12 months	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension AND WITH a documented Blood Glucose or HbA1c screening in the last 12 months	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension AND WITHOUT a documented Blood Pressure (BP) measurement in the last 12 months	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension AND WITH a documented Blood Pressure (BP) measurement in the last 12 months	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension AND WITHOUT a documented Obesity/Overweight Screening in the last 12 months	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension AND WITH a documented Obesity/Overweight Screening in the last 12 months
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>Hypertension 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> <ul style="list-style-type: none"> 401, 402, 403, 404, 405 (ICD-9 Coding System) 					

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	<ul style="list-style-type: none"> I10 (<i>ICD-10 Coding System</i>) D3-02120, D3-02010, D3-02100, D3-020000 (<i>SNOMED-RT Coding System</i>) 1201005, 10725009, 59621000, 38341003 (<i>SNOMEDCT Coding System</i>) <p>Documented Blood Pressure Measurement is a value captured in the <i>Blood Pressure</i> data element (<i>DE16.001</i>) within <i>Generic Care Elements</i>.</p> <p>Documented Blood Glucose or HbA1c Screening is a value captured within <i>Laboratory Test Results</i> (<i>DE10</i>) for a Fasting Blood Sugar Test, Random Blood Sugar Test, or 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>Documented Obesity/Overweight Screening may be represented by:</p> <ul style="list-style-type: none"> A documented BMI value captured in <i>BMI</i> data element (<i>DE16.009</i> within <i>Generic Care Elements</i>, OR A documented Height value captured in the <i>Height</i> data element (<i>DE16.005</i>) within <i>Generic Care Elements</i> with either a documented Weight value captured in <i>Weight</i> data element (<i>DE16.007</i>) or a documented Waist Circumference data element (<i>DE16.011</i>) recorded within <i>Generic Care Elements</i>. 					
Patient List Criteria	Mandatory Patient Name Unique Patient Identifier Optional Patient Date of Birth Patient Age Patient Phone Number	N/A	Mandatory Patient Name Unique Patient Identifier Optional Patient Date of Birth Patient Age Patient Phone Number	N/A	Mandatory Patient Name Unique Patient Identifier Optional Patient Date of Birth Patient Age Patient Phone Number	N/A

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	Latest Blood Glucose/HbA1c Screening Last Seen Date Next Appointment Date		Latest Blood Pressure Measurement Last Seen Date Next Appointment Date		Latest Obesity/Overweight Screening Last Seen Date 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 Date of Birth (<i>DE01.007</i>).</p> <p>Patient Age is a calculated data item representing the difference between the current date and Date of Birth (<i>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>Latest Blood Pressure Measurement represents the results and/or date from the latest documented blood pressure measurement.</p> <p>Latest Blood Glucose/HbA1c Screening represents the results and/or dates from the latest documented screening for Fasting Blood Sugar and/or Random Blood Sugar and/or HbA1c tests.</p>					

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	<p>Latest Obesity/Overweight Screening represents the results and/or dates from the latest documented obesity measurement(s): BMI, Height, Weight, and Waist Circumference.</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 (DE15.001)</i>, where appointments with status of 'No Show', 'Cancelled', or 'Deleted' are 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>					