

# 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"> <li>Initial release</li> </ul>
2.0	2019-07-09	<ul style="list-style-type: none"> <li>Added segments to represent patients up-to-date for BP, A1C screening, and Obesity Screening</li> <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>
2.1	2020-06-15	<ul style="list-style-type: none"> <li>Indicator Segment Query wording clarifies that ICD-9 and ICD-10 diagnoses searches should include all codes within top-level hierarchies</li> <li>Removal of SNOMET-RT codes recommended since SNOMED-RT has been formally deprecated for use and is no longer supported</li> <li>Layout of definition file changed to improve readability of indicator segment properties</li> <li>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</li> </ul>

## 2. INDICATOR DEFINITION

### 2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	CDM-HTN-003
Indicator Name	HTN Overdue Items
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	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	User Help content is now maintained in a separate document within the i4C Dashboard Indicator Library.

PROPERTY	VALUE
Indicator Segment Query Notes	<p><b>Active Patients</b> are patients identified as 'Active' in the <i>Patient Status</i> data element (DE01.016) within <i>Patient Demographics</i>.</p> <p><b>Patient Age</b> 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><b>HTN Coded Diagnosis</b> 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"> <li>• 401*, 402*, 403*, 404*, 405* (ICD-9 Coding System)</li> <li>• I10 (ICD-10 Coding System)</li> <li>• 1201005, 10725009, 59621000, 38341003 (SNOMED CT Coding System)</li> </ul> <p>ICD-9 and ICD-10 are hierarchical coding systems built on general categories and (optional) specific subcategories. A <b>dot separator</b> 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., 401*) means that the search should include the high-level category (401) along with all subcategories within the hierarchy (e.g., 401.0, 401.1, etc..)</p> <p><b>Documented Blood Pressure Measurement</b> is a value captured in the <i>Blood Pressure</i> data element (DE16.001) within <i>Generic Care Elements</i>.</p> <p><b>Documented Blood Glucose or HbA1c Screening</b> is a value captured within <i>Laboratory Test Results</i> (DE10) 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><b>Documented Obesity/Overweight Screening</b> may be represented by:</p> <ul style="list-style-type: none"> <li>• A documented BMI value captured in <i>BMI</i> data element (DE16.009) within <i>Generic Care Elements</i>, <b>OR</b></li> <li>• A documented Height value captured in the <i>Height</i> data element (DE16.005) within <i>Generic Care Elements</i> with either a documented Weight value captured in <i>Weight</i> data element (DE16.007) <b>or</b> a documented Waist Circumference data element (DE16.011) recorded within <i>Generic Care Elements</i>.</li> </ul>
Patient List Notes	<p><b>Patient Name</b> 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><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 (DE01.008) or Chart Number (DE01.012).</p>

PROPERTY	VALUE
	<p><b>Patient Date of Birth</b> is captured into <i>Patient Demographics</i> as Date of Birth (DE01.007).</p> <p><b>Patient Age</b> 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><b>Patient Phone Number</b> 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><b>Latest Blood Pressure Measurement</b> represents the results and/or date from the latest documented blood pressure measurement.</p> <p><b>Latest Blood Glucose/HbA1c Screening</b> 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> <p><b>Latest Obesity/Overweight Screening</b> represents the results and/or dates from the latest documented obesity measurement(s): BMI, Height, Weight, and Waist Circumference.</p> <p><b>Last Seen Date</b> 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 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><b>Next Appointment Date</b> 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</i> (DE15.001).</p>

## 2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	Blood glucose or HbA1c overdue	Yes	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Hypertension (HTN) AND WITHOUT a documented Blood Glucose or HbA1c screening in the last 12 months	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth <b>Optional</b> Patient Age Patient Phone Number Latest Blood Glucose/HbA1c Screening Last Seen Date Next Appointment Date
2	Blood glucose or HbA1c up to date	No	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Hypertension (HTN) AND WITH a documented Blood Glucose or HbA1c screening in the last 12 months	n/a
3	BP overdue	Yes	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Hypertension (HTN) AND WITHOUT a documented Blood Pressure (BP) measurement in the last 12 months	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth <b>Optional</b> Patient Age Patient Phone Number Latest Blood Pressure Measurement Last Seen Date Next Appointment Date
4	BP up to date	No	COUNT OF: Active patients, age 18 and over	n/a

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
			WITH a coded diagnosis of Hypertension (HTN) AND WITH a documented Blood Pressure (BP) measurement in the last 12 months	
5	Obesity screen overdue	Yes	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Hypertension (HTN) AND WITHOUT a documented Obesity/Overweight Screening in the last 12 months	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth <b>Optional</b> Patient Age Patient Phone Number Latest Obesity/Overweight Screening Last Seen Date Next Appointment Date
6	Obesity screen up to date	No	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Hypertension (HTN) AND WITH a documented Obesity/Overweight Screening in the last 12 months	n/a