

HTN Identification

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 hierarchies 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-HTN-001
Indicator Name	HTN Identification
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	OntarioMD
Source Description	
Status	Active
Category	CDM
Subcategory	Hypertension
Indicator Order	1
Indicator Graphic Type	Table
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>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>HTN 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) • I10 (ICD-10 Coding System) • 1201005, 10725009, 59621000, 38341003 (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., 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>HTN Text Diagnosis or Problem is any of the following text elements captured in the <i>Diagnosis/Problem</i> data elements within <i>Ongoing Health</i> (DE06.004) or <i>Past Medical & Surgical</i> (DE07.004): 'HTN', 'HPT', 'Hypertensive', 'Hypertension'.</p> <p>Bills Containing an HTN Diagnosis are any bills submitted for a patient with any of the following diagnosis codes attached: 401, 402, 403. All codes correspond to diagnoses within the ICD-9 Coding System.</p> <p>HTN Excluded are patients who are identified for exclusion from consideration for an HTN diagnosis. This can be implemented through the creation and utilization of a population cohort specifically created for the purpose of HTN diagnosis exclusion. Adoption of a population cohort for this purpose is optional, and query criteria for HTN exclusion will be bypassed in EMRs where the exclusion cohort is not utilized.</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 <i>Date of Birth</i> (DE01.007).</p> <p>Patient Age is a calculated data item representing the difference between the current date and <i>Date of Birth</i> (DE01.007) from <i>Patient Demographics</i>. Age should be displayed in years.</p>

PROPERTY	VALUE
	<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>HTN Diagnosis codes is a delimited listing of all diagnosis codes for HTN that have been captured in the <i>Ongoing Health Diagnosis/Problem</i> data element (<i>DE06.004</i>) for a patient.</p> <p>HTN Text Diagnoses is a delimited listing of all text elements for HTN that have been captured in <i>Ongoing Health Diagnosis/Problem</i> (<i>DE06.004</i>) or <i>Past Medical & Surgical History Diagnosis/Problem</i> (<i>DE07.004</i>) for a patient.</p> <p>Count of Bills with HTN Diagnosis is a count of bills submitted for a patient with an HTN diagnosis attached.</p>

2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	HTN Coded	Yes	COUNT OF: Active patients age 18 and over WITH a coded diagnosis of Hypertension (HTN)	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number HTN Diagnosis Codes
2	Consider HTN: Documented as text but not coded	Yes	COUNT OF: Active patients age 18 and over WITHOUT a coded diagnosis of Hypertension (HTN) AND WITH HTN documented as text diagnosis or problem AND who are not excluded	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number HTN Text Diagnoses
3	Consider HTN: Dx in 2+ bills	Yes	COUNT OF: Active patients age 18 and over WITHOUT a coded diagnosis of Hypertension (HTN) AND WITH two or more bills containing an HTN diagnosis AND who are not excluded	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Count of Bills With HTN Diagnosis
4	Consider HTN: Total	Yes	COUNT OF: Active patients age 18 and over WITHOUT a coded diagnosis of Hypertension (HTN) AND WITH	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
			(HTN documented as text diagnosis or problem OR two or more bills containing a HTN diagnosis) AND who are not excluded	Patient Phone Number HTN Text Diagnoses Count of Bills With HTN Diagnosis
5	HTN excluded	Yes	COUNT OF Active patients age 18 and over WITHOUT a coded diagnosis of Hypertension (HTN) AND who are excluded	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number