

CAD 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, Lipid profile, 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
2.1	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 Additional ICD-10 codes recommended for diagnoses searches to match synonymous ICD-9 codes currently specified 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-CAD-003
Indicator Name	CAD 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	Coronary Artery Disease
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>Active Patients are patients identified as 'Active' in the <i>Patient Status</i> data element (<i>DE01.016</i>) 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 (<i>DE01.007</i>) within <i>Patient Demographics</i>.</p> <p>CAD Coded Diagnosis is any of the following codes captured in <i>Diagnosis/Problem</i> (<i>DE06.004</i>) within <i>Ongoing Health</i>:</p> <ul style="list-style-type: none"> • 410*, 411*, 412*, 413*, 414*, 429.2 (ICD-9 Coding System) • I20*, I25* (ICD-10 Coding System) • 414545008, 413439005, 413838009, 194828000 (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., 410*) means that the search should include the high-level category (410) along with all subcategories within the hierarchy (e.g., 410.0, 410.1, 410.11, etc.)</p> <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 Lipid Profile Screening is a collection or panel of lab results for the following blood tests: Total cholesterol, high-density lipoprotein (HDL) cholesterol, low-density lipoprotein (LDL) cholesterol, and triglycerides. Screening can be documented as:</p> <ul style="list-style-type: none"> • Results captured within <i>Laboratory Test Results</i> (<i>DE10</i>) for the four blood tests. 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, OR • A report received by a sending facility identifying a lipid profile screening has been completed by report name, report categorization, or report content. <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 <i>Height</i> data element (<i>DE16.005</i>) within <i>Generic Care Elements</i> with a documented Weight value captured in <i>Weight</i> data element (<i>DE16.007</i>) or a documented <i>Waist Circumference</i> data element (<i>DE16.011</i>) recorded within <i>Generic Care Elements</i>.
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>

PROPERTY	VALUE
	<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> <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>Latest Blood Pressure Measurement represents the results and/or date from the latest documented blood pressure measurement.</p> <p>Latest Lipid Profile Screening represents the results and/or dates from the latest lipid profile screening. This may include the latest results and dates for blood tests received as lab results, or test results and dates for results documented in reports received.</p> <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 the 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>

2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	BP overdue	Yes	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Coronary Artery Disease (CAD) AND WITHOUT a documented Blood Pressure (BP) measurement in the last 12 months	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Latest Blood Pressure Measurement Last Seen Date Next Appointment Date
2	BP up to date	No	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Coronary Artery Disease (CAD) AND WITH a documented Blood Pressure (BP) measurement in the last 12 months	n/a
3	Lipid profile not done	Yes	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Coronary Artery Disease (CAD) AND WITHOUT a documented Lipid profile screening	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional Patient Age Patient Phone Number Latest Lipid Profile Screening Last Seen Date Next Appointment Date

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
4	Lipid profile done	No	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Coronary Artery Disease (CAD) AND WITH a documented Lipid profile screening	n/a
5	Obesity screen overdue	Yes	COUNT OF: Active patients, age 18 and over WITH a coded diagnosis of Coronary Artery Disease (CAD) AND WITHOUT a documented Obesity/Overweight Screening in the last 12 months	Mandatory Patient Name Unique Patient Identifier Patient Date of Birth Optional 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 Coronary Artery Disease (CAD) AND WITH a documented Obesity/Overweight Screening in the last 12 months	n/a