

Patient Care Colorectal Cancer Screening Overdue

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"> Indicator Segment Query Criteria changed to reflect new colorectal cancer screening guidelines as of June 2019 (transition from FOBT to FIT as a primary screening test) 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	PHC-CAN-006
Indicator Name	Patient Care Colorectal Cancer Screening Overdue
Indicator Version	2.0
Date Published	2019-07-09
Description	<p>Purpose:</p> <p>This indicator is used to prioritize patients that need a recall for colorectal cancer screening.</p> <p>Base Population:</p> <p>All patients overdue for colorectal cancer screening plus patients up to date for screening but who will become overdue within 7 months.</p> <p>Indicator Segments:</p> <p>Indicator segments provide the following patient summaries:</p> <ul style="list-style-type: none"> Count of patients overdue for colorectal cancer screening, without test results pending and who haven't declined screening, and are ≤ 3 months overdue; Count of patients overdue for colorectal cancer screening, without test results pending and who haven't declined screening, and are > 3 months overdue; Count of patients overdue for colorectal cancer screening, with test results < 2 months pending; Count of patients overdue for colorectal cancer screening, with test results ≥ 2 months pending; Count of patients overdue for colorectal cancer screening, without test results pending, and who have declined screening; Count of patients who are up to date for colorectal cancer screening, but who will become overdue in < 4 months;

PROPERTY	VALUE
	<ul style="list-style-type: none"> Count of patients who are up to date for colorectal cancer screening, but who will become overdue in ≥ 4 months and < 7 months <p>Suggested Indicator Use:</p> <p>Physician or practice use of this indicator is to manage the recall of patients who are overdue, or in pending status for results, or will be coming due soon for colorectal cancer screening.</p> <p>Measurements of Interest:</p> <p>None currently recommended.</p>
Source	CIHI
Source Description	Based on the CIHI indicator framework, version November 2012, and modified to accommodate new CCO guidelines published 2019.
Status	Active
Category	Preventive Health Care
Subcategory	Cancer
Indicator Order	6
Indicator Graphic Type	Stacked Bar Chart
Indicator Graphic Notes	<p>Bar 1: (Label as "Overdue: Action Required")</p> <ul style="list-style-type: none"> Indicator Segment ID 1 Indicator Segment ID 2 <p>Bar 2: (Label as "Overdue: Pending Test Result")</p> <ul style="list-style-type: none"> Indicator Segment ID 3

PROPERTY	VALUE
	<ul style="list-style-type: none"> Indicator Segment ID 4 <p>Bar 3: (Label as "Overdue: Declined Screening")</p> <ul style="list-style-type: none"> Indicator Segment ID 5 <p>Bar 4: (Label as "Up-to date: Screening Due")</p> <ul style="list-style-type: none"> Indicator Segment ID 6 Indicator Segment ID 7
Indicator User Help	<p>Adults 50-74: Colorectal Cancer Screening Recall</p> <p>Purpose:</p> <p>This indicator is used to prioritize patients that need a recall for colorectal cancer screening.</p> <p>Base Population:</p> <p>All patients overdue for colorectal cancer screening plus patients up to date for screening but who will become overdue within 7 months.</p> <p>Indicator Segments:</p> <p>Indicator segments provide the following patient summaries:</p> <ul style="list-style-type: none"> Count of patients overdue for colorectal cancer screening, without test results pending and who haven't declined screening, and are ≤ 3 months overdue; Count of patients overdue for colorectal cancer screening, without test results pending and who haven't declined screening, and are > 3 months overdue; Count of patients overdue for colorectal cancer screening, with test results < 2 months pending; Count of patients overdue for colorectal cancer screening, with test results ≥ 2 months pending; Count of patients overdue for colorectal cancer screening, without test results pending, and who have declined screening; Count of patients who are up to date for colorectal cancer screening, but who will become overdue in < 4 months; Count of patients who are up to date for colorectal cancer screening, but who will become overdue in ≥ 4 months and < 7 months

PROPERTY	VALUE
	<p>Suggested Indicator Use:</p> <p>Physician or practice use of this indicator is to manage the recall of patients who are overdue, or in pending status for results, or will be coming due soon for colorectal cancer screening.</p> <p>Measurements of Interest:</p> <p>None currently recommended.</p> <p>Metric Criteria:</p> <p><u><= 3 months overdue</u>¹: Patients WITH a Screening Overdue (as defined under 'Patient Care Colorectal Cancer Screening'), and WITH any of the following:</p> <ul style="list-style-type: none"> • Fecal Occult Blood Test (FOBT) / Fecal Immunochemical Test (FIT) documented between 25 -27 months ago • Sigmoidoscopy report documented between 61-63 months ago • Colonoscopy report documented between 121-123 months ago <p>AND WITHOUT 'Screening declined' or 'Results pending' for FOBT/FIT documented in the past 24 months.</p>

¹ Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, screening declined, and results pending.

PROPERTY	VALUE
	<p><u>≥ 3 months overdue</u>²: Patients WITH a Screening Overdue (as defined under 'Patient Care Colorectal Cancer Screening'), and WITHOUT any of the following:</p> <ul style="list-style-type: none"> • FOBT/FIT documented between 25 -27 months ago • Sigmoidoscopy report documented between 61-63 months ago • Colonoscopy report documented between 121-123 months ago <p>AND WITHOUT 'Screening declined' or a 'Results pending' for FOBT/FIT documented in the past 24 months.</p> <p><u>< 2 months pending</u>³: Patients WITH a Screening Overdue (as defined under 'Patient Care Colorectal Cancer Screening'), AND WITH 'Results pending' for FOBT/FIT documented less than 2 months ago.</p> <p><u>≥ 2 months pending</u>⁴: Patients WITH a Screening Overdue (as defined under 'Patient Care Colorectal Cancer Screening'), AND WITH 'Results pending' most recently documented between 2 -24 months ago.</p>

² Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, Colonoscopy, Sigmoidoscopy, screening declined, and results pending.

³ Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, Colonoscopy, Sigmoidoscopy, screening declined, and results pending.

⁴ Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, Colonoscopy, Sigmoidoscopy, screening declined, and results pending.

PROPERTY	VALUE
	<p><u>Declined</u>⁵: Patients WITH a Screening Overdue (as defined under 'Patient Care Colorectal Cancer Screening'), AND WITHOUT 'Results pending' for FOBT/FIT documented in the past 24 months, AND WITH 'Screening declined' for FOBT/FIT documented in the past 24 months.</p> <p><u>Due in < 4 months</u>⁶: Patients WITH a Screening Up-to-date (as defined under 'Patient Care Colorectal Cancer Screening'), and WITH any of the following:</p> <ul style="list-style-type: none"> • FOBT/FIT last documented between 22-24 months ago • Sigmoidoscopy report last documented between 58-60 months ago • Colonoscopy report last documented between 118-120 months ago <p><u>Due in >= 4 and < 7 months</u>⁷: Patients WITH a Screening Up-to-date (as defined under 'Patient Care Colorectal Cancer Screening'), and WITH any of the following:</p> <ul style="list-style-type: none"> • FOBT/FIT last documented between 18 -21 months ago • Sigmoidoscopy report last documented between 54-57 months ago • Colonoscopy report last documented between 114-117 months ago

⁵ Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, Colonoscopy, Sigmoidoscopy, screening declined, and results pending.

⁶ Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, Colonoscopy, and Sigmoidoscopy.

⁷ Implementer may include EMR-specific information on the workflow for documenting FOBT/FIT, Colonoscopy, and Sigmoidoscopy.

2.2 Indicator Segment Properties

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
Indicator Segment ID	1	2	3	4	5	6	7
Indicator Segment Label	<= 3 months Overdue	> 3 months Overdue	< 2 months Pending	>= 2 months Pending	Declined	Due in < 4 months	Due in >= 4 and < 7 months
Display Indicator Segment	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Indicator Segment Query Criteria	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 24 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 60 months inclusive	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 27 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 63 months inclusive	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 24 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 60 months inclusive	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 24 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 60 months inclusive	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 24 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 60 months inclusive	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 20 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 56 months inclusive	COUNT OF: Active patients, age 50-74 inclusive AND WITHOUT a documented <i>colorectal cancer screening exclusion</i> AND WITHOUT a documented <i>FOBT or FIT</i> in the last 16 months inclusive AND WITHOUT a documented <i>Sigmoidoscopy</i> within the last 52 months inclusive

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 120 months inclusive</p> <p>AND WITHOUT a documented <i>Screening declined</i> in the last 24 months inclusive</p> <p>AND WITHOUT a documented <i>Screening results pending</i> in the last 24 months inclusive</p> <p>AND WITH (A documented <i>FOBT or FIT</i> in the past 25 to 27 months inclusive OR A documented <i>Colonoscopy</i> in the past 121 to 123 months inclusive OR</p>	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 123 months inclusive</p> <p>AND WITHOUT a documented <i>Screening declined</i> in the last 24 months inclusive</p> <p>AND WITHOUT a documented <i>Screening results pending</i> in the last 24 months inclusive</p>	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 120 months inclusive</p> <p>AND WITH a documented <i>Screening results pending</i> in the last 2 months inclusive</p>	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 120 months inclusive</p> <p>AND WITHOUT a documented <i>Screening results pending</i> in the last 2 months inclusive</p> <p>AND WITH a documented <i>Screening results pending</i> in the last 3-24 months inclusive</p>	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 120 months inclusive</p> <p>AND WITHOUT a documented <i>Screening results pending</i> in the last 24 months inclusive</p> <p>AND WITH a documented <i>Screening declined</i> in the last 24 months inclusive</p>	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 116 months inclusive</p> <p>AND WITH (A documented <i>FOBT or FIT</i> in the past 21 to 24 months inclusive OR A documented <i>Colonoscopy</i> in the past 117 to 120 months inclusive OR A documented <i>Sigmoidoscopy</i> in the past 57 to 60 months inclusive)</p>	<p>AND WITHOUT a documented <i>Colonoscopy</i> within the last 112 months inclusive</p> <p>AND WITH (A documented <i>FOBT or FIT</i> in the past 17 to 20 months inclusive OR A documented <i>Colonoscopy</i> in the past 113 to 116 months inclusive OR A documented <i>Sigmoidoscopy</i> in the past 53 to 56 months inclusive)</p>

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	A documented <i>Sigmoidoscopy</i> in the past 61 to 64 months inclusive)						
Indicator Segment Query Notes	<p>Active Patients are patients identified as 'Active' in the Patient Status 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 Date of Birth data element (<i>DE01.007</i>) within <i>Patient Demographics</i>.</p> <p>Colorectal Cancer Screening Exclusion can be documented as:</p> <p>Any of the following coded diagnoses captured in the Diagnosis/Problem data element (<i>DE06.004</i>) within <i>Ongoing Health</i>: 154, 153, 555, 556, or V10.05 (<i>ICD-9 Coding System</i>)</p> <p>OR</p> <p>Any of the following text diagnoses or problems captured in the Diagnosis/Problem data element within <i>Ongoing Health</i> (<i>DE06.004</i>) or <i>Past Medical & Surgical</i> (<i>DE07.004</i>): "Colon ca," "colorectal ca," "bowel ca," "Crohn," "Colitis," "Inflammatory Bowel Disease," "IBD," or "colectomy."</p> <p>OR</p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> <p>FOBT can be documented as:</p> <p>A Q133A Tracking Code that has been billed for the patient</p> <p>OR</p> <p>A result captured within Laboratory Test Results (<i>DE10</i>) for an FOBT. 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>						

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	<p>OR</p> <p>A report received from a sending facility identifying an FOBT has been completed either by report name, report categorization or report content</p> <p>OR</p> <p>An FOBT captured in the Procedure data element (<i>DE07.006</i>) within <i>Past Medical & Surgical</i></p> <p>OR</p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> <p>FIT can be documented as a result captured within <i>Laboratory Test Results (DE10)</i> for a FIT. 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><i>(Note: As of 2019/06/23, FIT will replace FOBT in screening guidelines. Queries should only search for FOBT screenings prior to this date, but search for either FIT or FOBT screenings starting on this date.)</i></p> <p>Colonoscopy can be documented as</p> <p>A report received from a sending facility identifying a colonoscopy has been completed either by report name, report categorization or report content</p> <p>OR</p> <p>A colonoscopy captured in the Procedure data element (<i>DE07.006</i>) within <i>Past Medical & Surgical</i></p> <p>OR</p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p>						

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	<p>Sigmoidoscopy can be documented as</p> <p>A report received from a sending facility identifying a sigmoidoscopy has been completed either by report name, report categorization or report content</p> <p>OR</p> <p>A sigmoidoscopy captured in the Procedure data element (DE07.006) within <i>Past Medical & Surgical</i></p> <p>OR</p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> <p>Screening Results Pending can be documented as:</p> <p>An <i>FOBT</i> or <i>FIT</i> captured in the Procedure data element (DE07.006) of <i>Past Medical & Surgical</i> that identifies results as "pending"</p> <p>OR</p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> <p>Screening Declined can be documented as:</p> <p>An <i>FOBT</i> or <i>FIT</i> captured in the Procedure data element (DE07.006) of <i>Past Medical & Surgical</i> that identifies screening as "declined"</p> <p>OR</p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p>						
Patient List Criteria	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p>

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Colonoscopy Latest Sigmoidoscopy Last Seen Date Next Appointment Date	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Colonoscopy Latest Sigmoidoscopy Last Seen Date Next Appointment Date	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Results Pending Latest Colonoscopy Latest Sigmoidoscopy Last Seen Date Next Appointment Date	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Results Pending Latest Colonoscopy Latest Sigmoidoscopy Last Seen Date Next Appointment Date	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Screening Declined Latest Colonoscopy Latest Sigmoidoscopy Last Seen Date Next Appointment Date	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Colonoscopy Latest Sigmoidoscopy Last Seen Date Next Appointment Date	Optional Patient Date of Birth Patient Age Patient Phone Number Latest FOBT or FIT Latest Colonoscopy Latest Sigmoidoscopy 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>						

PROPERTY	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	<p>Patient Age is 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 FOBT or FIT represents the result and/or date from the latest documented FOBT or FIT. This may also include a column displaying how the test was documented (e.g., billing code, screening report, lab result, past medical history procedure, etc.).</p> <p>Latest Colonoscopy represents the result and/or date from the latest documented Colonoscopy.</p> <p>Latest Sigmoidoscopy represents the result and/or date from the latest documented Sigmoidoscopy.</p> <p>Latest Results Pending is a date representing the last time a <i>Screening Results Pending</i> has been documented.</p> <p>Latest Screening Declined is a date representing the last time a <i>Screening Declined</i> has been documented.</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</i> (<i>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</i> (<i>DE15.001</i>).</p>						