

# Patient Care Cervical 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"> <li>Initial release</li> </ul>  |
| 2.0               | 2019-07-09       | <ul style="list-style-type: none"> <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. INDICATOR DEFINITION

### 2.1 Indicator Properties

| PROPERTY          | VALUE   |
|-------------------|---|
| Indicator ID      | PHC-CAN-004   |
| Indicator Name    | Patient Care Cervical Cancer Screening Overdue  |
| Indicator Version | 2.0   |
| Date Published    | 2019-07-09  |
| Description       | <p><b>Purpose:</b></p> <p>This indicator is used to prioritize patients that need a recall for cervical cancer screening.</p> <p><b>Base Population:</b></p> <p>All patients overdue for cervical cancer screening, plus patients who are up to date with screening but will become overdue within 7 months.</p> <p><b>Indicator Segments:</b></p> <p>Indicator segments provide the following patient summaries:</p> <ul style="list-style-type: none"> <li>Count of patients overdue for cervical cancer screening, without test results pending and who haven't declined screening, and are <math>\leq 3</math> months overdue;</li> <li>Count of patients overdue for cervical cancer screening, without test results pending and who haven't declined screening, and are <math>&gt; 3</math> months overdue;</li> <li>Count of patients overdue for cervical cancer screening, with test results <math>&lt; 1</math> month pending;</li> <li>Count of patients overdue for cervical cancer screening, with test results <math>\geq 1</math> month pending;</li> <li>Count of patients overdue for cervical cancer screening, without test results pending, and who have declined screening;</li> <li>Count of patients who are up to date for cervical cancer screening, but who will become overdue in <math>&lt; 4</math> months;</li> </ul> |

| PROPERTY                | VALUE   |
|-------------------------|---|
|                         | <ul style="list-style-type: none"> <li>Count of patients who are up to date for cervical cancer screening, but who will become overdue in <math>\geq 4</math> months and <math>&lt; 7</math> months</li> </ul> <p><b>Suggested Indicator Use:</b></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 a pap test.</p> <p><b>Measurements of Interest:</b></p> <p>None currently recommended.</p> |
| Source                  | HQO   |
| Source Description      | Based on the HQO indicator framework version published in October 2015.   |
| Status                  | Active  |
| Category                | Preventive Health Care  |
| Subcategory             | Cancer  |
| Indicator Order         | 4   |
| Indicator Graphic Type  | Stacked Bar Chart   |
| Indicator Graphic Notes | <p>Bar 1: (Label as "Overdue: Action Required")</p> <ul style="list-style-type: none"> <li>Indicator Segment ID 1</li> <li>Indicator Segment ID 2</li> </ul> <p>Bar 2: (Label as "Overdue: Pending Test Result")</p> <ul style="list-style-type: none"> <li>Indicator Segment ID 3</li> <li>Indicator Segment ID 4</li> </ul>   |

| PROPERTY            | VALUE   |
|---------------------|---|
|                     | <p>Bar 3: (Label as "Overdue: Declined Screening")</p> <ul style="list-style-type: none"> <li>Indicator Segment ID 5</li> </ul> <p>Bar 4: (Label as "Up-to date: Screening Due")</p> <ul style="list-style-type: none"> <li>Indicator Segment ID 6</li> <li>Indicator Segment ID 7</li> </ul>   |
| Indicator User Help | <p><b>Females 21-69: Cervical Cancer Screening Recall</b></p> <p><b>Purpose:</b></p> <p>This indicator is used to prioritize patients that need a recall for cervical cancer screening.</p> <p><b>Base Population:</b></p> <p>All patients overdue for cervical cancer screening, plus patients who are up to date with screening but will become overdue within 7 months.</p> <p><b>Indicator Segments:</b></p> <p>Indicator segments provide the following patient summaries:</p> <ul style="list-style-type: none"> <li>Count of patients overdue for cervical cancer screening, without test results pending and who haven't declined screening, and are <math>\leq 3</math> months overdue;</li> <li>Count of patients overdue for cervical cancer screening, without test results pending and who haven't declined screening, and are <math>&gt;3</math> months overdue;</li> <li>Count of patients overdue for cervical cancer screening, with test results <math>&lt; 1</math> month pending;</li> <li>Count of patients overdue for cervical cancer screening, with test results <math>\geq 1</math> month pending;</li> <li>Count of patients overdue for cervical cancer screening, without test results pending, and who have declined screening;</li> <li>Count of patients who are up to date for cervical cancer screening, but who will become overdue in <math>&lt; 4</math> months;</li> <li>Count of patients who are up to date for cervical cancer screening, but who will become overdue in <math>\geq 4</math> months and <math>&lt; 7</math> months</li> </ul> <p><b>Suggested Indicator Use:</b></p> |

| PROPERTY | VALUE   |
|----------|---|
|          | <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 a pap test.</p> <p><b>Measurements of Interest:</b></p> <p>None currently recommended.</p> <p><b>Metric Criteria:</b></p> <p><u><math>\leq 3</math> months overdue<sup>1</sup></u>: Patients WITH a Screening Overdue (as defined under 'Patient Care Cervical Cancer Screening'),<br/>AND WITHOUT a 'pap test declined' or a 'pap results pending' documented in the past 36 months,<br/>AND WITH a pap test documented in the past 37-39 months inclusive.</p> <p><u><math>&gt; 3</math> months overdue<sup>2</sup></u>: Patients WITH a Screening Overdue (as defined under 'Patient Care Cervical Cancer Screening'),<br/>AND WITHOUT a 'pap test declined' or a 'pap results pending' documented in the past 36 months,<br/>AND WITHOUT a pap test documented in the past 37-39 months inclusive.</p> |

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<sup>1</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests, test declined, and results pending.

<sup>2</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests, screening declined, and results pending.

| PROPERTY | VALUE  |
|----------|--|
|          | <p><u>&lt; 1 month pending</u><sup>3</sup>: Patients WITH a Screening Overdue (as defined under 'Patient Care Cervical Cancer Screening'), AND WITH a 'pap results pending' documented less than 1 month ago.</p> <p><u>&gt;= 1 month pending</u><sup>4</sup>: Patients WITH a Screening Overdue (as defined under 'Patient Care Cervical Cancer Screening'), AND WITH a 'pap results pending' most recently documented within the past 2 -36 months inclusive.</p> <p><u>Declined</u><sup>5</sup>: Patients WITH a Screening Overdue (as defined under 'Patient Care Cervical Cancer Screening'), AND WITHOUT a 'pap results pending' documented in the past 36 months, AND WITH a 'pap test declined' documented in the past 36 months.</p> <p><u>Due in &lt; 4 months</u><sup>6</sup>: Patients WITH an Up-to-date pap screening (as defined under 'Patient Care Cervical Cancer Screening'), AND WITH the most recent pap test documented between 33 and 36 months ago inclusive.</p> <p><u>Due in &gt;= 4 and &lt; 7 months</u><sup>7</sup>: Patients WITH an Up-to-date pap screening (as defined under 'Patient Care Cervical Cancer Screening'),</p> |

<sup>3</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests and results pending.

<sup>4</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests and results pending.

<sup>5</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests, screening declined and results pending.

<sup>6</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests.

<sup>7</sup> Implementer may include EMR-specific information on the workflow for documenting pap tests.

| PROPERTY | VALUE  |
|----------|--|
|          | AND WITH the most recent pap test documented between 29 and 32 months ago inclusive. |



## 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  | < 1 month Pending  | >= 1 month 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 | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 36 months inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test declined in the last 36 months inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> results pending | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 39 months inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test declined in the last 36 months inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> results pending | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 36 months inclusive<br><br><b>AND WITH</b> a documented <i>pap</i> results pending within the last month | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 36 months inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> results pending within the last month<br><br><b>AND WITH</b> a documented <i>pap</i> results pending | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 36 months inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> results pending in the last 36 months inclusive<br><br><b>AND WITH</b> a documented <i>pap</i> test declined in | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 32 months inclusive<br><br><b>AND WITH</b> a documented <i>pap</i> test in the last 33 to 36 months inclusive | <b>COUNT OF:</b><br>Active patients, female, age 21-69 inclusive<br><br><b>AND WITHOUT</b> a documented <i>pap</i> exclusion<br><br><b>AND WITHOUT</b> a documented <i>pap</i> test in the last 28 months inclusive<br><br><b>AND WITH</b> a documented <i>pap</i> test in the last 29 to 32 months inclusive |

| PROPERTY                      | VALUE  | VALUE                           | VALUE | VALUE                                | VALUE                        | VALUE | VALUE |
|-------------------------------|--|---------------------------------|-------|--------------------------------------|------------------------------|-------|-------|
|                               | in the last 36 months inclusive<br><br><b>AND WITH</b> a documented <i>pap test</i> in the past 37 to 39 months inclusive  | in the last 36 months inclusive |       | in the last 2 to 36 months inclusive | the last 36 months inclusive |       |       |
| Indicator Segment Query Notes | <p><b>Active Patients</b> are patients identified as 'Active' in the Patient Status data element (<i>DE01.016</i>) within <i>Patient Demographics</i>.</p> <p><b>Female Patients</b> are patients identified as 'F' or 'Female' in the Gender data element (<i>DE01.006</i>) 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 Date of Birth data element (<i>DE01.007</i>) within <i>Patient Demographics</i>.</p> <p><b>Pap Exclusion</b> can be documented as:</p> <p>A Q140A Service Code that has been billed for the patient</p> <p><b>OR</b></p> <p>Any of the following coded diagnoses captured in the Diagnosis/Problem data element (<i>DE06.004</i>) within <i>Ongoing Health</i>:<br/>V45.77, 68.3, 68.4, 68.5, 68.6, 68.7, 68.8, or 68.9 (<i>ICD-9 Coding System</i>)</p> <p><b>OR</b></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 &amp; Surgical</i> (<i>DE07.004</i>): "hysterectomy," "hysterosal," "Cervical Ca," "TVH," "TABH," or "TAH"</p> <p><b>OR</b></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><b>Pap Test</b> can be documented as:</p> <p>A Q011A Tracking Code that has been billed for the patient</p> <p><b>OR</b></p> <p>A report received from a sending facility identifying a Pap test has been completed either by report name, report categorization or report content</p> <p><b>OR</b></p> <p>A pap test captured in the Procedure data element (DE07.006) of Past Medical &amp; Surgical</p> <p><b>OR</b></p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> <p><b>Pap Results Pending</b> can be documented as:</p> <p>A pap test captured in the Procedure data element (DE07.006) of Past Medical &amp; Surgical that identifies results as "pending"</p> <p><b>OR</b></p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> <p><b>Pap Test Declined</b> can be documented as:</p> <p>A pap test captured in the Procedure data element (DE07.006) of Past Medical &amp; Surgical that identifies screening as "declined"</p> <p><b>OR</b></p> <p>Any additional documentation method representing best practice workflow(s) identified and supported across practices within a specific EMR.</p> |                           |                           |                           |                           |                           |                           |
| Patient List Criteria | Mandatory<br>Patient Name  | Mandatory<br>Patient Name | Mandatory<br>Patient Name | Mandatory<br>Patient Name | Mandatory<br>Patient Name | Mandatory<br>Patient Name | Mandatory<br>Patient Name |

| PROPERTY           | VALUE   | VALUE                     | VALUE                      | VALUE                      | VALUE                       | VALUE                     | VALUE                     |
|--------------------|---|---------------------------|----------------------------|----------------------------|-----------------------------|---------------------------|---------------------------|
|                    | Unique Patient Identifier   | Unique Patient Identifier | Unique Patient Identifier  | Unique Patient Identifier  | Unique Patient Identifier   | Unique Patient Identifier | Unique Patient Identifier |
|                    | <b>Optional</b>   | <b>Optional</b>           | <b>Optional</b>            | <b>Optional</b>            | <b>Optional</b>             | <b>Optional</b>           | <b>Optional</b>           |
|                    | Patient Date of Birth   | Patient Date of Birth     | Patient Date of Birth      | Patient Date of Birth      | Patient Date of Birth       | Patient Date of Birth     | Patient Date of Birth     |
|                    | Patient Age   | Patient Age               | Patient Age                | Patient Age                | Patient Age                 | Patient Age               | Patient Age               |
|                    | Patient Phone Number  | Patient Phone Number      | Patient Phone Number       | Patient Phone Number       | Patient Phone Number        | Patient Phone Number      | Patient Phone Number      |
|                    | Latest Pap Test   | Latest Pap Test           | Latest Pap Test            | Latest Pap Test            | Latest Pap Test             | Latest Pap Test           | Latest Pap Test           |
|                    | Last Seen Date  | Last Seen Date            | Latest Pap Results Pending | Latest Pap Results Pending | Latest Pap Results Declined | Last Seen Date            | Last Seen Date            |
|                    | Next Appointment Date   | Next Appointment Date     | Last Seen Date             | Last Seen Date             | Last Seen Date              | Next Appointment Date     | Next Appointment Date     |
|                    |   |                           | Next Appointment Date      | Next Appointment Date      | Next Appointment Date       |                           |                           |
| Patient List Notes | <p><b>Patient Name</b> 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><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 (<i>DE01.008</i>) or Chart Number (<i>DE01.012</i>).</p> <p><b>Patient Date of Birth</b> is captured into <i>Patient Demographics</i> as Date of Birth (<i>DE01.007</i>).</p> <p><b>Patient Age</b> 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> |                           |                            |                            |                             |                           |                           |

| PROPERTY | VALUE   | VALUE | VALUE | VALUE | VALUE | VALUE | VALUE |
|----------|---|-------|-------|-------|-------|-------|-------|
|          | <p><b>Patient Phone Number</b> 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><b>Latest Pap Test</b> represents the result and/or date from the latest documented pap test. This may also include a column displaying how the test was documented (e.g., billing code, screening report, past medical history procedure, etc.)</p> <p><b>Latest Pap Results Pending</b> is a date representing the last time a <i>Pap Results Pending</i> has been documented.</p> <p><b>Latest Pap Test Declined</b> is a date representing the last time a <i>Pap Test Declined</i> has been documented.</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> (<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><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> (<i>DE15.001</i>).</p> |       |       |       |       |       |       |