

# Opioid and Benzodiazepine Co-prescribing

## 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>
2.1	2020-06-15	<ul style="list-style-type: none"> <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> <li>Oxymorphone removed from opioid medication list as this has been discontinued in Canada.</li> <li>Palliative diagnosis coded 'Z515' now written as 'Z51.5' to conform with the way other ICD-9 and ICD-9 codes are identified (using a dot separator between main category and subcategory of diagnosis).</li> </ul>

## 2. INDICATOR DEFINITION

### 2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	MED-OPI-002
Indicator Name	Opioid and Benzodiazepine Co-prescribing
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	HQO
Source Description	Based on HQO MyPractice: Primary Care Report version 3 (December 2018) as well as HQO Quality Standards on Opioid Prescribing.
Status	Active
Category	Medication Management
Subcategory	Opioids
Indicator Order	2
Indicator Graphic Type	Pie or 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>Non-palliative care patients</b> are patients <b>WITHOUT</b> any of the following Service Codes billed for the patient: A945, C945, C882, C982, W872, W882, W972, W982, K023, B998, B966, B997, G511, G512 <b>AND WITHOUT</b> Code Z51.5 (ICD-10 Coding System) captured in the <i>Diagnosis/Problem</i> data element within <i>Ongoing Health</i> (DE06.004) or <i>Past Medical &amp; Surgical History</i> (DE07.004).</p> <p><b>Current opioid prescription</b> is a patient medication recorded in <i>Medications</i> (DE09) <b>AND is not</b> a <i>Past Medication</i> (DE09.017) <b>AND</b> is identified by any of the following text within the brand or generic medication name (DE09.003):</p> <p>"Alfentanil", "Buprenorphine", "Butorphanol", "Codeine", "Dihydrocodeine", "Fentanyl", "Hydrocodone", "Hydromorphone", "Meperidine", "Methadone", "Morphine", "Nalbuphine", "Opium", "Oxycodone", "Pentazocine", "Pethidine", "Remifentanil", "Sufentanil", "Tapentadol", or "Tramadol".</p> <p><b>Current benzodiazepine prescription</b> is a patient medication recorded in <i>Medications</i> (DE09) <b>AND is not</b> a <i>Past Medication</i> (DE09.017) <b>AND</b> is identified by any of the following text within the brand or generic medication name (DE09.003):</p> <p>'Alprazolam', 'Bromazepam', 'Clobazam', 'Clorazepate', 'Chlordiazepoxide', 'Clonazepam', 'Diazepam', 'Flurazepam', 'Lorazepam', 'Midazolam', 'Oxazepam', 'Quazepam', 'Temazepam', or 'Triazolam'.</p>
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> <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>Current Opioid Medications</b> is a concatenated listing of Medication Names (DE09.003), along with (if possible) either the Prescription Written Date (DE09.001) or Start Date (DE09.002) of <i>current opioid prescriptions</i>.</p> <p><b>Current Benzodiazepine Medications</b> is a concatenated listing of Medication Names (DE09.003), along with (if possible) either the Prescription Written Date (DE09.001) or Start Date (DE09.002) of <i>current benzodiazepine prescriptions</i>.</p>

PROPERTY	VALUE
	<p><b>Past Benzodiazepine Medications</b> is a concatenated listing of Medication Names (<i>DE09.003</i>), along with (if possible) either the Prescription Written Date (<i>DE09.001</i>) or Start Date (<i>DE09.002</i>) of <i>past benzodiazepine prescriptions</i>.</p>

## 2.2 Indicator Segment Properties

Indicator Segment ID	Indicator Segment Label	Display Indicator Segment	Indicator Segment Query Criteria	Patient List Criteria
1	Current opioid prescription(s) with current benzodiazepine prescription(s)	Yes	COUNT OF: Active, non-palliative care patients WITH one or more current opioid prescriptions AND WITH one or more current benzodiazepine prescriptions	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth <b>Optional</b> Patient Age Patient Phone Number Current Opioid Medications Current Benzodiazepine Medications
2	Current opioid prescription(s) without current benzodiazepine prescription(s)	Yes	COUNT OF: Active, non-palliative care patients WITH one or more current opioid prescriptions AND WITHOUT one or more current benzodiazepine prescriptions	<b>Mandatory</b> Patient Name Unique Patient Identifier Patient Date of Birth <b>Optional</b> Patient Age Patient Phone Number Current Opioid Medications Past Benzodiazepine Medications