

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"> 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. INDICATOR DEFINITION

2.1 Indicator Properties

PROPERTY	VALUE
Indicator ID	MED-OPI-002
Indicator Name	Opioid and Benzodiazepine Co-prescribing
Indicator Version	2.0
Date Published	2019-07-09
Description	<p>Purpose:</p> <p>This indicator is used to identify non-palliative care patients with one or more current opioid prescriptions who also have one or more current benzodiazepine prescriptions.</p> <p>Base Population:</p> <p>All non-palliative care patients with an Active demographic status recorded in the EMR who have one or more current opioid prescriptions recorded in the EMR.</p> <p>Indicator Segments:</p> <p>Indicator segments provide counts of patients with current opioid prescriptions and current benzodiazepine prescriptions, and counts of patients with current opioid prescriptions but without current benzodiazepine prescriptions.</p> <p>Suggested Indicator Use:</p> <p>Physician use of this indicator is to review charts of patients with both current opioid and current benzodiazepine prescriptions for possible recall or other follow-up actions.</p>

PROPERTY	VALUE
	Measurements of Interest: Percentage of patients with both current opioid and current benzodiazepine prescriptions out of all patients in the base population.
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 Chart, Bar Chart
Indicator Graphic Notes	
Indicator User Help	Opioid and Benzodiazepine Co-prescribing Purpose: This indicator is used to identify non-palliative care patients with one or more current opioid prescriptions who also have one or more current benzodiazepine prescriptions. Base Population: All non-palliative care patients with an Active demographic status recorded in the EMR who have one or more current opioid prescriptions recorded in the EMR.

PROPERTY	VALUE
	<p>Indicator Segments:</p> <p>Indicator segments provide counts of patients with current opioid prescriptions and current benzodiazepine prescriptions, and counts of patients with current opioid prescriptions but without current benzodiazepine prescriptions.</p> <p>Suggested Indicator Use:</p> <p>Physician use of this indicator is to review charts of patients with both current opioid and current benzodiazepine prescriptions for possible recall or other follow-up actions.</p> <p>Measurements of Interest:</p> <p>Percentage of patients with both current opioid and current benzodiazepine prescriptions out of all patients in the base population.</p> <p>Metric Criteria:</p> <p><u>Current opioid prescription(s) with current benzodiazepine prescription(s)¹:</u></p> <p>WITH one or more current benzodiazepine prescriptions:</p> <p>Alprazolam, Bromazepam, Clobazam, Clorazepate, Chlordiazepoxide, Clonazepam, Diazepam, Flurazepam, Lorazepam, Midazolam, Oxazepam, Quazepam, Temazepam, Triazolam</p> <p><u>Current opioid prescription(s) without current benzodiazepine prescription(s):</u></p> <p>WITHOUT one or more current benzodiazepine prescriptions</p>

¹ Optional: Implementer may include EMR-specific information on the workflow for documenting current prescriptions.

2.2 Indicator Segment Properties

PROPERTY	VALUE	VALUE
Indicator Segment ID	1	2
Indicator Segment Label	Current opioid prescription(s) with current benzodiazepine prescription(s)	Current opioid prescription(s) without current benzodiazepine prescription(s)
Display Indicator Segment	Yes	Yes
Indicator Segment Query Criteria	COUNT OF: Active, non-palliative care patients WITH one or more current opioid prescriptions AND WITH one or more current benzodiazepine prescriptions	COUNT OF: Active, non-palliative care patients WITH one or more current opioid prescriptions AND WITHOUT one or more current benzodiazepine prescriptions
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>Non-palliative care patients are patients WITHOUT any of the following Service Codes billed for the patient: A945, C945, C882, C982, W872, W882, W972, W982, K023, B998, B966, B997, G511, G512 AND WITHOUT Code Z515 (ICD-10 Coding System) captured in the <i>Diagnosis/Problem</i> data element (DE06.004) within <i>Ongoing Health</i>.</p> <p>Current opioid prescription is a patient medication recorded in <i>Medications</i> (DE09) AND is not a <i>Past Medication</i> (DE09.017) AND 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," "Oxymorphone," "Pentazocine," "Pethidine," "Remifentanil," "Sufentanil," "Tapentadol," "Tramadol."</p>	

PROPERTY	VALUE	VALUE
	<p>Current benzodiazepine prescription is a patient medication recorded in Medications (DE09) AND is not a <i>Past Medication</i> (DE09.017) AND 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," "Triazolam."</p>	
Patient List Criteria	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p> <p>Optional</p> <p>Patient Date of Birth</p> <p>Patient Age</p> <p>Patient Phone Number</p> <p>Current Opioid Medications</p> <p>Current Benzodiazepine Medications</p>	<p>Mandatory</p> <p>Patient Name</p> <p>Unique Patient Identifier</p> <p>Optional</p> <p>Patient Date of Birth</p> <p>Patient Age</p> <p>Patient Phone Number</p> <p>Current Opioid Medications</p> <p>Past Benzodiazepine Medications</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 Date of Birth (DE01.007).</p> <p>Patient Age 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>	

PROPERTY	VALUE	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>Current Opioid Medications 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>current opioid prescriptions</i>.</p> <p>Current Benzodiazepine Medications 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>current benzodiazepine prescriptions</i>.</p> <p>Past Benzodiazepine Medications 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>	