

Appendix I: Opioid Use Disorder (OUD) Definition

OUD definition used in study

At least 1 of the following criteria occurring within three years before the last 90 days of life

1. ≥ 1 OUD-related emergency department visits;
 - a. NACRS: ≥ 1 REGDATEs for a visit that included OUD: NACRS_DXCODE1-6 “F11.0-F11.9”; (include schedule visits, transfers to/from and not seen)
2. ≥ 1 OUD-related hospitalization;
 - a. DAD or OMHRS: ≥ 1 ADMDATE for a visit related to OUD _DX10CODE1-25 “F11.0-F11.9” (include suspected dx)
3. or an OAT prescription (NMS_DIN) with a three-year lookback (all DINs from ODPRN Master Drug List (15Jan21) where OMT='Y')

Legend

DAD: Discharge Abstract Database

NACRS: National Ambulatory Care Reporting System

OHIP: Ontario Health Insurance Plan

OHMRS: Ontario Mental Health Reporting System

Reference

Gomes T, Kolla G, McCormack D, et al. Clinical outcomes and health care costs among people entering a safer opioid supply program in Ontario. *CMAJ* 2022. doi:10.1503/cmaj.220892.

Sensitivity analysis of OUD definition

Study definition:

≥ 1 OUD-related emergency department visits, ≥ 1 OUD-related hospitalization or OAT within 3 years

This definition identified 11,200 patients with OUD between July 2015 and December 2021.

Variation #1 of study definition:

≥ 2 OUD-related emergency department visits, ≥ 1 OUD-related hospitalization or OAT within 3 years:

This definition identified 8,389 patients with OUD between July 2015 and December 2021.

Variation #2 of study definition:

≥ 1 OUD-related emergency department visits, ≥ 1 OUD-related hospitalization or OAT within 5 years:

This definition identified 12,376 patients with OUD between July 2015 and December 2021.

Variation #3 of study definition:

≥2 OUD-related emergency department visits, ≥2 OUD-related hospitalization or OAT within 5 years:

This definition identified 9,246 patients with OUD between July 2015 and December 2021.

Given patients with OUD can sometimes be very disconnected with the healthcare system and may not regularly access formal healthcare services, we used our study definition.