



Using the Collective Platform to Address Overdose Events

The Oregon Health Authority (OHA), Oregon Health Leadership Council, HIT Commons and Collective Medical currently partner to support Emergency Department Information Exchange (EDIE) and its companion tool, the Collective Platform in Oregon (see [HIT Commons](#) website).

EDIE and the Collective Platform provide hospital event notifications to bring real-time ED, Inpatient, and Post-Acute Care Admit, Discharge, and Transfer (ADT) data to connected partners. In addition to utilization alerting, Collective users also may see patient information such as: security alerts, care guidelines entered by the patient primary care home, Physician Orders for Life Saving Treatment (POLST) forms, patient care plans, and contact information for care team providers, including case managers.

The Collective network is in use statewide in Oregon and adoption continues to grow. All hospitals with emergency departments (excepting the VA) in Oregon are live with EDIE. All of Oregon's CCOs receive hospital notifications through the Collective Platform, as do most major Oregon health plans, many ambulatory clinics, several tribal clinics, and all of Oregon's Dental Care Organizations. Behavioral health continues to be a major category of Collective users. All Type B Area Agencies on Aging and Aging & People with Disabilities, and Developmental Disabilities District offices are now using Collective.

Addressing Overdose Events

Substance use disorder (SUD) and Overdose (OD) from prescription pain medication is one of the leading causes of deaths to Oregonians.¹ Further, recent data from OHA report an alarming increase in overdose deaths related to use of illicit fentanyl and methamphetamine. In October 2020, OHA reported a 70% increase in Oregon drug overdose deaths during April, May 2020 as compared to the same time in 2019.²

Data suggests when providers are aware of multiple opioid prescriptions and/or an overdose to one of their patients, they take actionable steps and change prescribing practices.

Using Collective Platform Functionality to Pilot Manual Overdose Notifications

Organizations can leverage existing functionality in Collective Platform to begin to address overdose events for their patient population. See the following page for an outline of steps to follow to pilot manual overdose notifications in your organization.

¹ <https://www.oregon.gov/oha/PH/PREVENTIONWELLNESS/SUBSTANCEUSE/OPIOIDS/Pages/data.aspx>

² October 28, 2020. *OHA sees 70% increase in Oregon drug overdose deaths during April, May.* Oregon Health Authority, PHD Communications.



1. Email Collective Platform Support Team (support@collectivemedical.com) and request set up of the following cohorts in your organization’s web portal:

Fatal Drug Overdose

- Criterion evaluates fatal vs non-fatal events
- Triggering Event: *Any visit activity in ED, Inpatient, Observation settings*
- ICDs (includes all subtypes, e.g. T40.0X1A)
- T40.0X: Poisoning by opium
- T40.2X: Poisoning by other Opioids
- T40.3X: Poisoning by methadone
- T40.4X: Poisoning by synthetic Narcotics
- T40.60: Poisoning by unspecified Narcotics
- T40.69: Poisoning by other Narcotics
- T40.1X: Poisoning by heroin

Non-fatal Drug Overdose

- Criterion evaluates fatal vs non-fatal events
- Triggering Event: *Any visit activity in ED, Inpatient, Observation settings*
- ICDs (includes all subtypes, e.g. T40.0X1A)
- T40.0X: Poisoning by opium
- T40.2X: Poisoning by other Opioids
- T40.3X: Poisoning by methadone
- T40.4X: Poisoning by synthetic Narcotics
- T40.60: Poisoning by unspecified Narcotics
- T40.69: Poisoning by other Narcotics
- T40.1X: Poisoning by heroin

2. **Assign staff to monitor the cohorts daily/weekly.** Using the **Cohorts** page, staff can view lists of patients triggering the cohorts. Staff should also review the **Patient Page** to view additional clinical and care team information. (Some organizations may choose to pull the cohort data into weekly **Scheduled Reports** to review all cohort activity in one Excel-type format.)
3. **For each patient who triggers a cohort, staff should review the providers listed in the Care Team box (see sample below)** and evaluate how appropriate overdose notifications would be to those providers.

Care Team	
Care Team 3 - 2 years + Add Provider	
BOYER, JAMES E. M.D. Internal Medicine: Hematology & Oncology Practice (434) 654-8390 (434) 654-8399	Sources: 1
JOHNSON, JOHN DANIEL, D.O. Family Medicine Practice (434) 239-3949 (434) 239-6982	Sources: 1
KENDALL, DANIEL R, DO Pain Medicine: Interventional Pain Medicine Practice (703) 914-8000 (703) 642-3487	Sources: 1

4. **Organizations may choose to send ‘manual’ letters to the Care Team providers listed in the box to notify them of recent overdose events** and provide information/education about safe prescribing practices. Organizations can also match up the providers to the most recent claims (pharmacy or medical) to determine which provider to notify.
5. **Over time, organizations can then gauge how useful/effective the manual notifications are to help design additional intervention/education efforts to providers.**



Future Work: Automating Overdose Notifications

Collective Medical, HIT Commons, OHA, the Oregon Medical Board, and Oregon health care stakeholders are discussing methods for automating overdose notifications to providers. The goals for developing a statewide notification program are to:

- **Reduce** the number of recurring diagnoses of overdoses in Oregonians
- **Reduce** the number of fatal/non-fatal overdoses in Oregonians
- **Provide an avenue** for providers and patients to have conversations around opioid and other substance use
- **Increased visibility** of safe prescribing measures
- **Reduce** the number of 'initial' overdoses in Oregonians

Currently, two methods are under discussion for using Collective Platform to notify providers in a statewide approach:

1. **Using the Collective Care Team information, automatically notify primary care providers of recent overdose events for patients in their care**
 - *This approach requires additional funding, development and testing prior to launch.*
2. **Using the Prescription Drug Monitoring Program (PDMP) database, automatically notify prescribing providers of recent overdose events**
 - *This approach requires PDMP statute amendment via Oregon legislature (timing TBD).*

Questions/Additional Requests

For any questions about the Collective Platform and **to request overdose Cohorts or Scheduled Reports**, please email: Collective Medical Support Team support@collectivemedical.com

If you have other **questions about statewide overdose notification efforts**, please email:

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