ESP CASE DETECTION ALGORITHM

Opioid Prescriptions

**Document Version 1.2**

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**Modification History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Modification** | **By** |
| 1.2 | 4/11/2022 | Deleted report reference | DPM |
| 1.1 | 5/31/2018 | Formatted to new template; deleted Trimtracker reference | DPM |
| 1.0 | 3/15/2015 | Original | CII/DPM |

# Overview

The purpose of this document is to describe the criteria used to identify Opioid Prescriptions in MDPHnet data.

# Definitions

Opioid prescription includes all DEA schedule II-IV opioids excluding Buprenorphine (see Table)

# Surveillance Targets

1. ***Patients receiving any opioids***
   * Identify all individuals given ≥1 prescriptions for opioids within the past year
2. ***Patients receiving high daily dose of opioids*** 
   * Identify all individuals prescribed ≥100 milligrams of morphine equivalents per day for ≥90 days within the past year
   * This will require converting all non-morphine opioid prescriptions into morphine equivalents per day and totaling the number of days in the prescription. Convert the prescribed dose of opioid into morphine equivalents per pill, multiply by the number of pills prescribed, divide by the duration of the prescription in days.
3. ***Patients receiving benzodiazepines***
   * Identify all individuals given ≥1 prescription for a benzodiazepine within the past year
4. ***Patients receiving concurrent opioids and benzodiazepines***
   * Identify all individuals with a prescription for a benzodiazepine within 30 days before or after a prescription for an opioid within the past year

# Integration into ESPnet and MDPHnet surveillance tools

* Add to ESPcondition tables at all sites
* Lincoln Peak to add to MPDHnet list of queriable conditions in user interface
* Add to GenPop and RiskScape reports at all sites