

Oregon Health and Science University (OHSU)

INITIAL EDDS EHR RESULTS, January 2011-June 2021

OHSU located in Portland, Oregon submitted drug test results for 2,159 specimens tested by the hospital laboratory for the period of January 1, 2011 through June 30, 2021 that met the study eligibility criteria. De-identified data were obtained for patients 18 years or older presenting to the emergency department with a complaint of “overdose” and/or any ICD 10-CM T36-T50 initial encounter diagnosis code of overdose with accidental (unintentional), intentional self-harm, or undetermined intent that had a drug urinalysis conducted with valid drug test results available.¹

Highlights from Table 1 and Figures 1, 2, and 3

- Amphetamines (48%) remained close to their 11-year high in April-June 2021, and were 3 times their level in 2011 (T-1).
- Benzodiazepines (16%) and oxycodone (7%) were close to their 11-year lows (T-1).
- Amphetamines, benzodiazepines, marijuana, and opiates remained the most prevalent drugs detected in April-June 2021. Benzodiazepines are much less prevalent now than in 2011 while amphetamines are rising (F-1).
- Barbiturates, cocaine, methadone, and oxycodone were all detected in under 10% of specimens in April-June 2021 (F-2).
- Amphetamines are near the top of their 11-year range, while benzodiazepines and oxycodone are near the bottom (F-3).

Figures 4, 5, and 6 analyze combined data from January 2011-June 2021

- Patients positive for oxycodone, barbiturates, and/or methadone were oldest. Patients positive for stimulant drugs including cocaine and amphetamines, as well as marijuana, were youngest (F-4).
- Patients positive for methadone had the highest mean total number of drugs positive (2.95). Patients positive for marijuana had the lowest mean total number of drugs positive (2.19, F-5).
- 30% or more of specimens positive for opiates also contained benzodiazepines, marijuana, amphetamines, and/or oxycodone. 27% or more of specimens positive for marijuana also contained benzodiazepines, opiates, and/or amphetamines (F-6).

COVID-19 Tests

- Covid-19 test results were included in the dataset for 108 patients tested from March 2020 to June 2021. Of these, 106 cases were negative for Covid-19, one case was inconclusive, and one case was positive. Of the 108 patients that were tested for Covid-19, 85% were White, 94% were non-Hispanic, 50% were female, 53% were 41+ years of age, and 71% were screened for drugs.

¹Only includes visits with initial encounter ICD-10-CM diagnosis codes of T36–T50 with a sixth character of 1, 2, or 4 (exceptions for T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, and T49.9, which were included if the code had a fifth character of 1, 2, or 4) and a seventh character of “A” (initial encounter).