

# University Hospital (Newark, New Jersey)

## INITIAL EDDS EHR RESULTS, January 2016-June 2021

University Hospital submitted drug test results for 1,687 specimens tested by the hospital laboratory from January 1, 2016 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: 1) an ICD-10-CM T36-T50 diagnosis code (any intent or encounter type) AND a complaint of "drug overdose"; or 2) an ICD-10-CM T36-T50 initial encounter diagnosis code of poisoning with accidental (unintentional), intentional self-harm, or undetermined intent that had a drug urinalysis conducted with valid drug test results available.<sup>1</sup>

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

- Benzodiazepine positives reached a 6-year high (35%) in April-June 2021 while opiates reached a 6-year low (18%; T-1, F-1).
- Amphetamines, barbiturates, methadone, and PCP were the least prevalent drugs detected (F-2).
- Benzodiazepines are at the top of their 6-year range, while opiates, amphetamines, PCP, and barbiturates are at/near their lowest levels (F-3).

### ***Figures 4, 5, and 6 analyze combined data from January 2016-June 2021***

- Patients testing positive for barbiturates, opiates, and cocaine were older while those positive for PCP, amphetamines, and marijuana were the youngest (F-4).
- Patients positive for methadone had the largest average number of drugs in their specimens (2.69), while patients positive for PCP had the lowest number (1.96, F-5).
- 68% of cocaine positive patients, 50% of benzodiazepine-positive patients, and 50% of methadone positive patients were also positive for opiates. Opiate positive specimens were most likely to also contain cocaine (49%), benzodiazepines (33%), or marijuana (19%, F-6).

### ***COVID-19 Tests***

- Covid-19 test results were included in the dataset for 364 patients tested from May 2020 to June 2021. Of these, 359 cases were negative for Covid-19 and five were positive.

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<sup>1</sup>Initial encounter with accidental/unintentional; intentional self-harm, or undetermined intent were defined as cases with T36–T50 ICD-10-CM with a seventh character of "A" (initial encounter) and a sixth character of "1" (accidental/unintentional); "2" (intentional self-harm); or "4" (undetermined) (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").