

Table 1: EDDS Collaborating Laboratory Test Results^a, by University Hospital (Newark, NJ)'s Drug Screen Result

(N=153 specimens submitted April to May 2021)^b

EDDS Found Positive for:	Screened Positive for any drug (N=102) ^c %	Screened Negative for all drugs (N=51) ^c %
Marijuana	59	4
Cocaine^d	21	4
Methadone/EDDP	7	0
Buprenorphine/Norbuprenorphine	5	2
Any Benzodiazepine	52	29
Midazolam/α-Hydroxymidazolam	17	4
Lorazepam	15	16
Alprazolam/α-Hydroxyalprazolam	10	2
Clonazepam	6	0
Demoxepam	5	6
Any Non-Fentanyl Opioid	38	14
Morphine	26	10
Codeine	17	4
Oxymorphone	13	2
Oxycodone	12	2
Tramadol	9	0
6-Monoacetylmorphine (6-MAM)	5	0
Any Fentanyl	28	10
Fentanyl/Norfentanyl	28	10
4-ANPP (Despropionyl fentanyl)	8	0
<i>ortho</i> -Fluorofentanyl/ <i>para</i> -Fluorofentanyl (p-FF) ^e	7	0
Any Other Psychoactive Substance	12	2
Ketamine/Norketamine	6	2
Other Drugs		
Diphenhydramine	16	12
Gabapentin	9	12
Trazodone/mCPP ^f	9	0
Dextromethorphan	7	0

Note: Drugs included in the hospital's routine drug screen are bolded.

^aIncludes drugs detected in at least 5 specimens in either hospital group.

^bSpecimens were selected from consecutive emergency department patients that had undergone drug toxicology testing.

^cAmong specimens that screened positive for any drug, nine specimens had an insufficient quantity of urine to test for all drugs.

Among specimens that screened negative for all drugs, two specimens had an insufficient quantity of urine for marijuana testing.

^dIncludes cocaine (parent) and its major metabolites: Ecgonine methyl ester, Benzoylecgonine, and Cocaethylene. Cocaethylene forms when cocaine and ethanol are present together in the blood.

^eThese compounds have been combined, as currently it is not possible to distinguish between *ortho*-Fluorofentanyl and *para*-Fluorofentanyl through the laboratory testing.

^fTrazodone is an antidepressant whose major active metabolite is mCPP. It is not possible to definitively determine whether the presence of mCPP was due to Trazodone use or whether mCPP was taken on its own.

Source: Emergency Department Drug Surveillance (EDDS) system, Center for Substance Abuse Research (CESAR), University of Maryland, College Park, 7/6/2021.

The most unexpected finding is that fentanyl, a drug not included in the hospital's screen, was detected in 28% of the hospital's positive specimens and 10% of specimens that had tested negative for all drugs in the hospital's screen.