

Recommended Biosurveillance Panel

From: [Assessing Polysubstance Overdoses: An Expanded Biosurveillance Strategy for Public Health Practice](#)

Drug Class	Drugs (relevant metabolites)		
Stimulants	- Amphetamine - Methamphetamine (amphetamine)	- MDA - MDMA (MDA)	- MDEA - Cocaine (benzoylecgonine, cocaethylene)
Benzodiazepines	- Alprazolam (alpha-hydroxyalprazolam)¹ - Clonazepam (7-aminoclonazepam)	- Diazepam (nordiazepam) - Oxazepam	- Temazepam - Lorazepam
Opioids	Standard Opioids - Fentanyl (norfentanyl) - Codeine (codeine-6β-D-glucuronide) - Hydrocodone (norhydrocodone, hydromorphone) - Hydromorphone - Morphine (morphine-3β-D-glucuronide, morphine-6β-D-glucuronide) 6-Acetylmorphine - Oxymorphone - Oxycodone (noroxycodone, oxymorphone) - Methadone (EDDP) - Buprenorphine (norbuprenorphine) - Tramadol (o-desmethyltramadol)	Fentanyl Analogue/ Precursor Testing² 4-ANPP[^] - Acetyl fentanyl - Fluorofentanyl, all isomers - Carfentanil (norcarfentanil)	Other Illicit Synthetic Opioids 2-Methyl-AP-237 - Brorphine - Etodesnitazene - Isotonitazene - Metonitazene - N-Pyrrolidino etonitazene - Protonitazene
Cannabinoids	Delta-9-THC (11-hydroxy-THC, carboxy-THC)	THC isomers, such as delta-8, delta-10	THC derivatives, such as THC-O, THC-P
Other Relevant Substances Non-standard emerging substances, may vary in prevalence by location.	Illicit Stimulants/Hallucinogens 2F-Deschloroketamine 3-HO-PCP/4-HO-PCP - Alpha-PHP/alpha-PiHP - Eutylone - N,N-Dimethylpentylone	Illicit Benzodiazepines/ Benzodiazepine Analogs - Clonazepam - Etizolam - Flualprazolam - Flubromazepam	Other - Gabapentin - Medetomidine - Xylazine

¹ This substance was previously listed as 6-alpha-hydroxyalprazolam. Laboratories conducting overdose biosurveillance under OD2A-S Strategy 4 should continue to use 6-alpha-hydroxyalprazolam when reporting data to CDC.

² Fentanyl analogue testing to include relevant analogues common at the time and to the region.