

City & County of San Francisco
Daniel Lurie, Mayor



Office of the City Administrator
Carmen Chu, City Administrator
David Serrano Sewell, Executive Director
Office of the Chief Medical Examiner

November 4, 2025

Subject: Report on Drug and Alcohol Prevalence in Sexual Assault Casework – 2024

The enclosed report includes drug and alcohol prevalence data on received Drug Facilitated Sexual Assault (DFSA) casework in the City and County of San Francisco for the year 2024. The reports are published by the Office of the Chief Medical Examiner (OCME), Forensic Laboratory Division, to further the OCME's mission to provide neutral data to inform policymakers.

Pertinent for the accurate use of this report is understanding the scope of testing leading to the summarization of the data. The OCME performs [full and comprehensive testing](#) on all DFSA casework to mitigate bias, ensure a complete toxicological profile is provided for each case, and to determine the extent of alcohol and drugs exposure within the community. The OCME scope of testing for DFSA casework meets and exceeds the national scope and sensitivity standards ([ASB Standard 121](#)) and recommendations ([SOFT-DFC Recommendations](#)).

The OCME has consistently met the target of issuing final reports within a month for over 69% of cases, with 70% of cases reported within 30 days in 2024.

Enclosed is a detailed DFSA Data Report for 2024. Key findings were:

- One or more drugs were identified in 90% of cases.
- Fluoro Fentanyl was detected in 3% of the cases, Xylazine was detected in 4% of cases, and Bromazolam was detected in 1% of cases.
- The OCME identified the presence of alcohol in 26% of cases, and drugs in 84% of cases.
- The positive identification of drugs alone was the most common result of DFSA casework, accounting for 63% of cases.

Sincerely,

A handwritten signature in blue ink, appearing to read "Luke N. Rodda".

Luke N. Rodda, Ph.D. MRACI CChem
Chief Forensic Toxicologist and Director, Forensic Laboratory Division

cc: Office of the City Administrator
enclosures: Drug Facilitated Sexual Assault (DFSA) Data Report – 2024

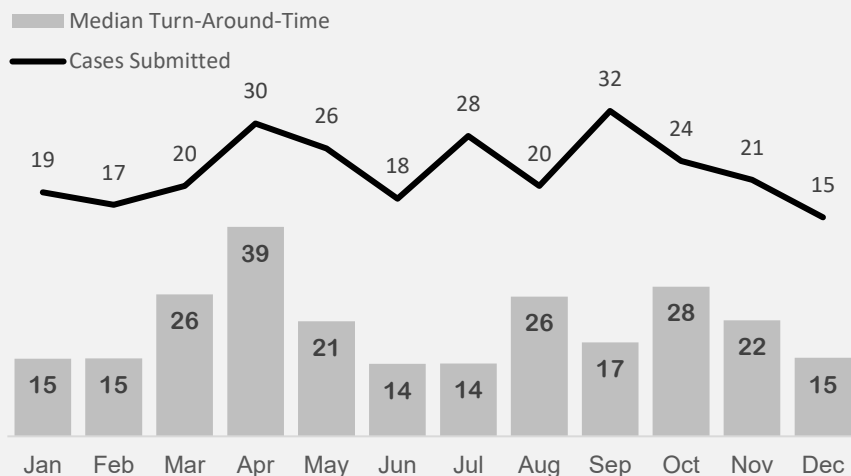


Drug Facilitated Sexual Assault (DFSA)

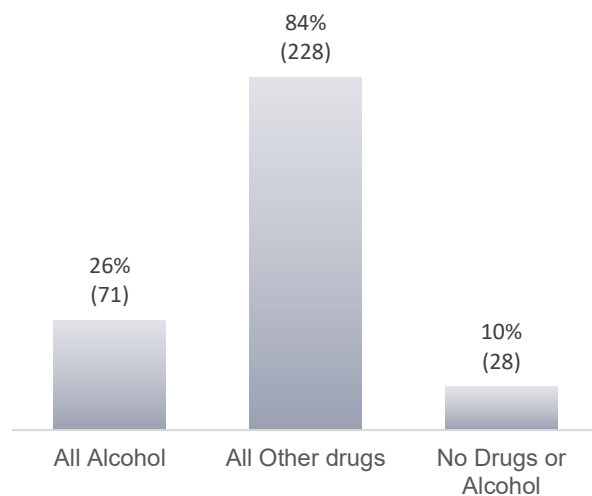
2024

270 Submitted Cases

Case Submissions by Month



Alcohol and Drugs Prevalence



Cases

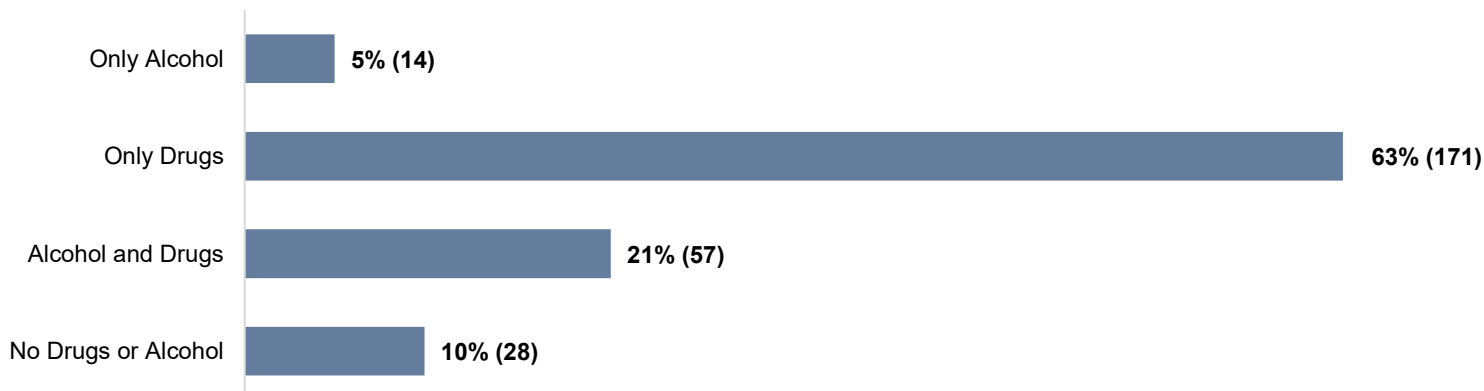
Drug Class Prevalence

Cases

99	37%	Cannabis	Anticonvulsants	13%	28 (7)
97	36%	Amphetamines	Benzodiazepines	10%	23 (3)
76 (3)	29%	Cocaine	Veterinary Tranquilizers	4%	10
42 (30)	27%	Opioids	Muscle Relaxants	3%	3 (4)
50 (9)	22%	Analgesics	Miscellaneous	2%	5
40 (12)	19%	Antihistamines	Cardiacs	1%	4
36 (15)	19%	Antidepressants	Barbiturates	1%	3
38	14%	Anesthetics	Z (Sleeping) Drugs	1%	3
31 (5)	13%	Antipsychotics			

(Denotes where 2 or more of the same drug class was prevalent within same case)

Alcohol and Drug Combination





Drug Facilitated Sexual Assault (DFSA)

2024

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Drug Prevalence

Cases

Amphetamines

Methamphetamine	30%	80
Amphetamine	29%	77
Ephedrine / Pseudoephedrine	14%	37
Norephedrine / Norpseudoephedrine	24%	66
3,4-Methylenedioxyamphetamine (MDA)	3%	7
3,4-Methylenedioxymethamphetamine (MDMA)	3%	8
Methylphenidate	1%	2
Ritalinic Acid	1%	4

Analgesics

Acetaminophen	18%	49
Salicylic Acid	7%	19

Anesthetic

Lidocaine	13%	35
Norlidocaine	11%	31

Anticonvulsants

Gabapentin	8%	21
Lamotrigine	3%	9
Pregabalin	<1%	1
10,11-Dihydro-10-Hydroxy Carbamazepine	<1%	1
Levetiracetam	<1%	1
Topiramate	2%	6
Valproic Acid	1%	4

Antidepressant

Bupropion	4%	11
Citalopram / Escitalopram	3%	9
Nordoxepin	<1%	1
Duloxetine	3%	7
Fluoxetine	4%	11
Norfluoxetine	4%	12
Mirtazapine	0%	1
Sertraline	4%	11
Norsertaline	4%	11
Trazodone	4%	11
1-(3-Chlorophenyl)-Piperazine (McPP)	4%	10
Venlafaxine	1%	4
O-Desmethyl Venlafaxine / N-Desmethyl Venlafaxine	2%	5

Antihistamines

Chlorpheniramine	1%	3
Diphenhydramine	7%	20
Doxylamine	4%	10
Hydroxyzine	3%	9
Cetirizine / Levocetirizine	13%	34
Norchlorcyclizine	17%	46
Meclizine	1%	3

Antipsychotic

Chlorpromazine	<1%	1
Olanzapine	4%	10
Quetiapine	2%	6
Norquetiapine	4%	12
7-Hydroxy Quetiapine	4%	10
Risperidone	1%	4
9-Hydroxy Risperidone	4%	12
Ziprasidone	1%	3

Barbiturates

Butalbital / Talbutal	<1%	1
Phenobarbital	1%	2

Drug Prevalence

Cases

Benzodiazepines

8-Amino Clonazepam [∞]	<1%	1
7-Amino Clonazepam	3%	7
Bromazepam [∞]	1%	2
Clonazepam [∞]	<1%	1
Flualprazolam	<1%	1
Alprazolam	1%	2
alpha-Hydroxy Alprazolam	<1%	1
Clonazepam	1%	2
Chlordiazepoxide	1%	2
Diazepam	1%	3
Nordiazepam	3%	7
Temazepam	1%	2
Oxazepam	<1%	1
Lorazepam	2%	5
Midazolam	1%	2
alpha-Hydroxy Midazolam	1%	2

Cannabinoids

Tetrahydrocannabinol (THC)	25%	68
11-Hydroxy THC	15%	41
Carboxy THC	36%	96
Tetrahydrocannabinol Acid (THCA)	5%	13
Tetrahydrocannabivarinic Acid (THCVA)	7%	19
Cannabigerol (CBG)	<1%	1
Cannabinol (CBN)	1%	2

Cardiac

Clonidine	1%	4
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Cathinones

alpha-PHP [∞]	<1%	1
Eutylone [∞]	<1%	1

Cocaine and Metabolites

Cocaine	16%	44
Norcocaine	6%	15
meta-Hydroxy Cocaine / para-Hydroxy Cocaine	14%	37
Cocaethylene	7%	19
Benzoylcegonine	29%	78
Anhydroecgonine Methyl Ester	3%	7

Decongestants

Tetrahydrozoline	1%	4
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Dissociatives

Phencyclidine (PCP)	<1%	1
Ketamine	2%	6
Norketamine	2%	6
Deschloroketamine	<1%	1
gamma-Hydroxybutyric Acid (GHB) [*]	1%	2

Hallucinogens

Psilocin	<1%	1
Psilocybin	<1%	1
Lysergic Acid Diethylamide (LSD)	<1%	1

Miscellaneous

Mitragynine	<1%	1
Xylazine [∞]	4%	10
gamma-Butyrolactone (GBL)	1%	2

Muscle Relaxants

Cyclobenzaprine	1%	4
N-Desmethyl Cyclobenzaprine	3%	7



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2024

270 Submitted Cases

Drug Prevalence

Cases

Opioids

Fentanyl	12%	32
Acetyl Fentanyl	3%	7
Norfentanyl	18%	49
[meta-/ortho-/para-]Fluoro Fentanyl	3%	9
para-fluoro norfentanyl	3%	9
Morphine	3%	8
Codeine	1%	3
Dihydrocodeine	1%	2
Norcodeine	1%	2
Hydrocodone	1%	2
Norhydrocodone	1%	2
Hydromorphone	2%	5
Buprenorphine	1%	4
Norbuprenorphine	3%	7
Dextromethorphan / Levomethorphan	3%	7
Dextrorphan / Levorphanol	3%	7
Methadone	2%	6
EDDP (Methadone Metabolite)	2%	5
Naloxone	1%	3
Naltrexone	1%	4
Oxycodone	2%	6
Noroxycodone	3%	8
Oxymorphone	<1%	1
Noroxymorphone	<1%	1
Tapentadol	<1%	1

Z Drugs

Zolpidem	1%	2
Zolpidem Phenyl-4-Carboxylic Acid	1%	3