



January 26, 2026

Subject: Report on Drug and Alcohol Prevalence in Sexual Assault Casework – 2025

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 2025. 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 drug 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 30 days for over 87% of cases, with 40% of cases reported within 15 days in 2025.

Enclosed is a detailed DFSA Data Report for 2025. Key findings were:

- One or more drugs were identified in 94% of cases.
- Fluoro Fentanyl was detected in 2% of cases, Xylazine was detected in 1% of cases, Medetomidine was detected in 1% of cases, and Bromazolam was detected in 1% of cases.
- The OCME identified the presence of alcohol in 25% of cases, and impairing drugs in 90% of cases.
- The positive identification of drugs alone was the most common result of DFSA casework, accounting for 70% 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 – 2025

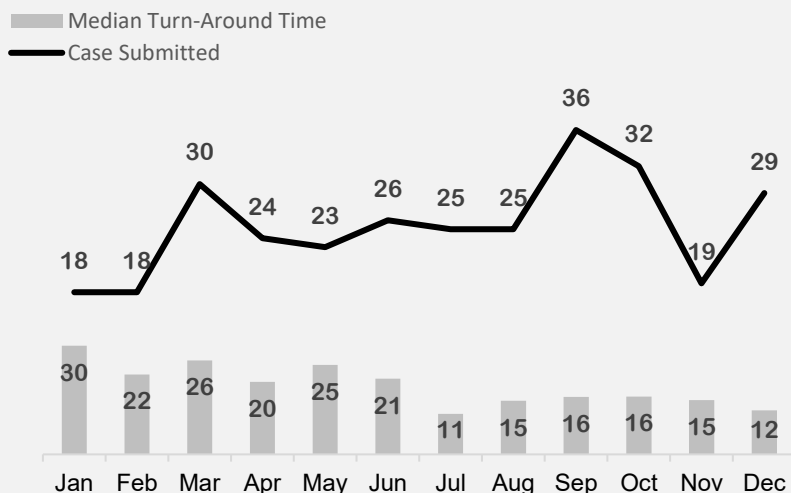


Drug Facilitated Sexual Assault (DFSA)

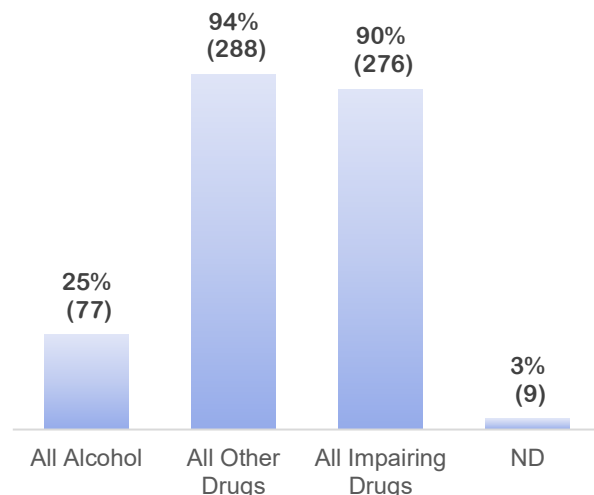
2025

305 Submitted Cases

Case Submission by Month



Alcohol and Drugs Prevalence



Cases

106 (37)	47%
120	39%
82 (36)	39%
92	30%
76 (13)	29%
48 (19)	22%
57	19%
38 (15)	17%
51 (2)	17%
42 (11)	17%
52	17%
33 (13)	15%
36 (5)	13%

Drug Class Prevalence

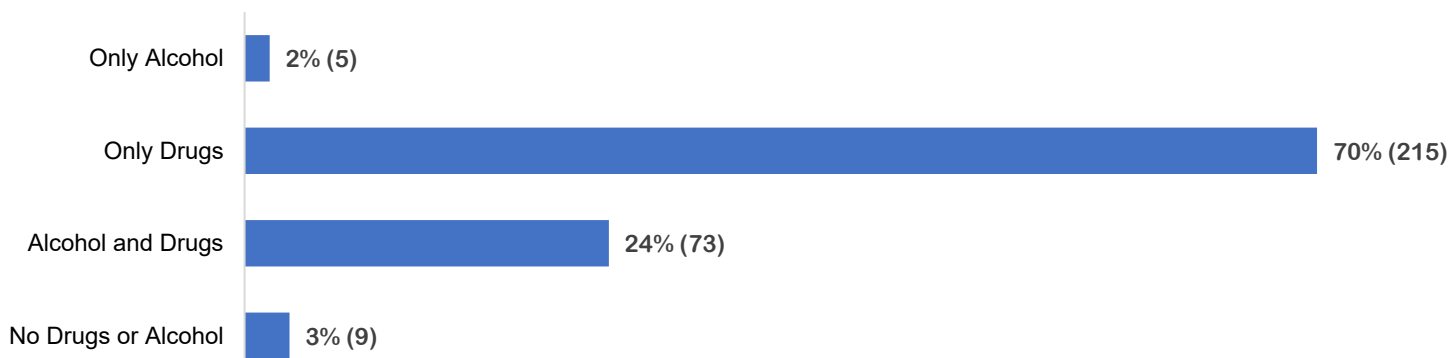
Analgesics
Cannabinoids
Amphetamines
Cocaine
Antihistamines
Antidepressants
Fentanyl
Antipsychotics
Dissociatives and Hallucinogens
Opioids
Anesthetics
Benzodiazepines
Anticonvulsants

Cases

Miscellaneous	9%	26 (1)
Cardiacs*	5%	10 (4)
Antibiotics*	4%	12 (1)
Fentanyl Analogs	4%	10 (3)
Phosphodiesterase Inhibitors*	3%	5 (3)
Muscle Relaxants	2%	7
Barbiturates	2%	6
Antifungals*	1%	4
Veterinary Tranquilizers	1%	2 (2)
Sleep Aids	1%	2
Opium Poppy Production Compounds	<1%	1
Stimulants	<1%	1
Tobacco, Foods and Drinks, and Endogenous*	62%	98 (92)

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

Alcohol and Drug Combination





Drug Facilitated Sexual Assault (DFSA)

2025

305 Submitted Cases

Drug Prevalence

Cases

Amphetamines

Methamphetamine	33%	102
Amphetamine	31%	96
Norephedrine / Norpseudoephedrine	24%	74
4-Hydroxy Methamphetamine	14%	42
Ephedrine / Pseudoephedrine	12%	38
N-Ethyl Amphetamine	10%	32
3,4-Methylenedioxymethamphetamine (MDMA)	2%	6
3,4-Methylenedioxyamphetamine (MDA)	1%	4
Methylphenidate	1%	3
Ritalinic Acid	1%	3
3,4-Methylenedioxy-N-Ethylamphetamine (MDEA)	<1%	1
4-Hydroxy Amphetamine (4HA)	<1%	1

Analgesics

Acetaminophen	26%	79
Salicylic Acid	24%	72
Ibuprofen	9%	27
Naproxen	2%	6
Antipyrine	<1%	1

Anesthetic

Lidocaine	16%	50
Norlidocaine	12%	37

Antibiotics*

Metronidazole	3%	8
Quinolone	2%	6

Anticonvulsants

Gabapentin	6%	17
Lamotrigine	2%	7
Levetiracetam	2%	5
Topiramate	2%	5
Valproic Acid	1%	4
10,11-Dihydro-10-Hydroxy Carbamazepine	1%	3
Pregabalin	1%	3
Carbamazepine	1%	2
Carbamazepine-10,11-Epoxy / Oxcarbazepine / Phenytoin	1%	2
Lacosamide	<1%	1
Phenytoin	<1%	1

Antidepressant

Citalopram / Escitalopram	6%	17
Trazodone	5%	16
Bupropion	5%	14
Desmethyl Citalopram	5%	14
Citalopram	4%	13
Norsertaline	4%	13
Sertraline	4%	13
[erythro-/threo-]Hydrobupropion	4%	11
Hydroxy Bupropion	4%	11
Fluoxetine	3%	9
1-(3-Chlorophenyl)-Piperazine (McPP)	3%	8
Norfluoxetine	2%	7
Duloxetine	2%	6
Mirtazapine	1%	3
Fluvoxamine	1%	2
Nortriptyline	1%	2
O-Desmethyl Venlafaxine / N-Desmethyl Venlafaxine	1%	2
Amoxapine	<1%	1
Buspirone	<1%	1
Venlafaxine	<1%	1

Drug Prevalence

Cases

Antifungals*

Clotrimazole	1%	4
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Antihistamines

Norchlorcyclizine	19%	58
Cetirizine / Levocetirizine	13%	39
Diphenhydramine	7%	22
Hydroxyzine	6%	19
Cetirizine	3%	8
Doxylamine	2%	7
Chlorpheniramine	1%	4
Meclizine	1%	4
Pheniramine	1%	3
Loratadine	1%	2
Benztrapine	<1%	1
Mepyramine	<1%	1

Antipsychotic

Olanzapine	6%	17
9-Hydroxy Risperidone	5%	15
Aripiprazole	3%	10
Norquetiapine	3%	10
Quetiapine	3%	9
7-Hydroxy Quetiapine	2%	6
Haloperidol	2%	6
Metoclopramide	1%	4
Lurasidone	1%	3
Ziprasidone	1%	3
Droperidol	1%	2
Risperidone	1%	2
Cariprazine	<1%	1
Loxapine	<1%	1

Barbiturates

Phenobarbital	2%	6
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Benzodiazepines

Nordiazepam	5%	15
Lorazepam	5%	14
Diazepam	4%	13
7-Amino Clonazepam	3%	9
Temazepam	2%	7
Alprazolam	2%	6
Clonazepam	2%	6
alpha-Hydroxy Midazolam	2%	5
Midazolam	2%	5
alpha-Hydroxy Alprazolam	1%	3
Bromazolam	1%	3
4-Hydroxy Alprazolam	1%	2
Norchlordiazepoxide	1%	2
Oxazepam	1%	2
Phenazolam	1%	2
4'-Chloro Deschloro Alprazolam / Alprazolam	<1%	1
Chlordiazepoxide	<1%	1

Cannabinoids

Carboxy THC	36%	111
Tetrahydrocannabinol (THC)	19%	59
11-Hydroxy THC	12%	38
Tetrahydrocannabivarinic Acid (THCVA)	12%	37
Tetrahydrocannabinol Acid (THCA)	12%	36
Cannabidiol (CBD)	5%	14
Cannabidivarin (CBDV)	1%	4



Drug Facilitated Sexual Assault (DFSA)

2025

305 Submitted Cases

Drug Prevalence

Cases

Cannabichromene (CBC) / Tetrahydrocannabinol (THC)	<1%	1
Cannabigerolic Acid (CBGA)	<1%	1
Cannabinol (CBN)	<1%	1
Cannabinolic Acid (CBNA)	<1%	1
Cardiacs*		
Propranolol	1%	4
Clonidine	1%	3
Losartan	1%	3
Amlodipine	1%	2
Hydrochlorothiazide	1%	2
Lisinopril	1%	2
Metoprolol	1%	2
Valsartan	<1%	1
Cocaine and Metabolites		
Benzoyllecgonine	29%	89
Cocaine	22%	66
meta-Hydroxy Cocaine / para-Hydroxy Cocaine	15%	47
Ecgonine Methyl Ester (EME)	10%	31
Ecgonine	9%	28
Cocaethylene	8%	25
Norcocaine	6%	17
Anhydroecgonine Methyl Ester	3%	8
Dissociatives and Hallucinogenics		
Tryptamine	9%	27
Ketamine	3%	10
Norketamine	3%	10
Hydroxy Norketamine	2%	7
gamma-Hydroxybutyric Acid (GHB)	2%	6
Kavain	2%	6
Lysergic Acid Diethylamide (LSD)	1%	2
Gramine	<1%	1
Fentanyl		
Norfentanyl	17%	52
Fentanyl	8%	24
beta-Hydroxy Fentanyl	5%	15
4-Anilino N-Phenethylpiperidine (4-ANPP)	5%	14
4-Anilinopiperidine (4-AP)	5%	14
N-Methyl Norfentanyl	4%	12
Phenethyl 4-ANPP	1%	4
Fentanyl Analogs		
para-Fluoro Norfentanyl	4%	11
[meta-/ortho-/para-]Fluoro Fentanyl	2%	5
Acetyl Fentanyl	2%	5
Acetyl Norfentanyl	1%	3
Despropionyl meta-Methyl Fentanyl / Despropionyl ortho-Methyl Fentanyl	1%	2
[2'-/3'-/4'-/cis-3-/trans-3-/4-/alpha-/beta-/meta-/ortho-/para-]Methyl Fentanyl / Butyryl Fentanyl / Isobutyryl Fentanyl	<1%	1
Despropionyl para-Fluoro Fentanyl	<1%	1
Isobutyryl Norfentanyl	<1%	1
Methoxyacetyl Norfentanyl	<1%	1
para-Methoxy Methoxyacetyl Fentanyl	<1%	1
Miscellaneous		
Ondansetron	6%	17
Tetrahydrozoline	2%	7
Levamisole	1%	2
Guaifenesin	<1%	1
Varenicline	<1%	1

Drug Prevalence

Cases

Muscle Relaxants		
N-Desmethyl Cyclobenzaprine	1%	4
Cyclobenzaprine	1%	3
Scopolamine	1%	2
Methocarbamol	<1%	1
Opioids		
EDDP (Methadone Metabolite)	4%	11
Dextrophan / Levorphanol	3%	9
Norbuprenorphine	3%	9
Buprenorphine	3%	8
Dextromethorphan / Levomethorphan	3%	8
Hydromorphone	3%	8
Methadone	3%	8
Codeine 6-beta-D-Glucuronide	2%	7
Naltrexone	2%	7
Noroxycodone	2%	7
Morphine	2%	6
Oxycodone	2%	6
Morphine 3-beta-Glucuronide	2%	5
EMDP (Methadone Metabolite)	1%	4
Morphine 6-beta-Glucuronide	1%	4
Noroxymorphone	1%	4
Codeine	1%	3
Naloxone	1%	3
Norcodeine	1%	3
Norhydrocodone	1%	3
6-Monoacetylmorphine (6-MAM)	1%	2
Hydrocodone	1%	2
Tramadol	1%	2
Diacetylmorphine	<1%	1
Dihydrocodeine	<1%	1
Loperamide	<1%	1
O-Desmethyl-Tramadol	<1%	1
Oxymorphone	<1%	1
Opium Poppy Production Compounds		
Papaverine	<1%	1
Phosphodiesterase Inhibitors*		
Tadalafil	2%	5
Sildenafil	1%	3
Desethyl Vardenafil / N-Desmethyl Sildenafil	<1%	1
Sleep Aids		
Melatonin	<1%	1
N-Acetyl Serotonin (NAS)	<1%	1
Stimulants		
Modafinil	<1%	1
Tobacco, Foods and Drinks, and Endogenous*		
Cotinine	47%	144
Nicotine	29%	88
5-Hydroxy Tryptamine (5-HT)	28%	86
Theacrine	9%	27
Theobromine / Theophylline	7%	22
Caffeine	5%	15
Quinine / Quinidine	4%	11
Metformin	2%	7
2-Phenethylamine	<1%	1
Veterinary Tranquilizers		
Xylazine	1%	3
Medetomidine	<1%	1

*Excluded from impairing drugs