

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

January 21, 2026

Subject: Report on Drug and Alcohol Prevalence in Impaired Driving Casework – 2025

The enclosed report includes drug and alcohol prevalence data on blood samples received from Driving Under the Influence of Drugs and/or Alcohol (DUID) 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 DUID 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 DUID casework meets and exceeds the national scope and sensitivity standards ([ASB Standard 120](#)) and recommendations ([NSC-ADID Recommendations](#)).

In 2025, the OCME consistently met the target of issuing final reports within 30 days for over 95% of cases, with 82% reported within 20 days.

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

- The 722 cases received represent a 12% increase in submissions from the 647 cases received in 2024.
- With the implementation of a validated and novel [LC-QTOF-MS method technique](#), the Scope of Testing expanded from approximately 220 components to over 1000 components on every case routinely.
- One or more intoxicating substance was identified in 98% of cases.
- The OCME identified the presence of alcohol in 69%, cannabis in 45%, and impairing drugs in 66% of cases.
- Polysubstance use was the most common result of DUID casework, with 74% positive for any combination of alcohol, cannabis, and drugs.
- The new, novel and potent drugs, Phenazolam, Bromazolam, and Fluoro Fentanyl were present in 11 (2%), 9 (1%), and 10 (1%) cases, respectively.

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

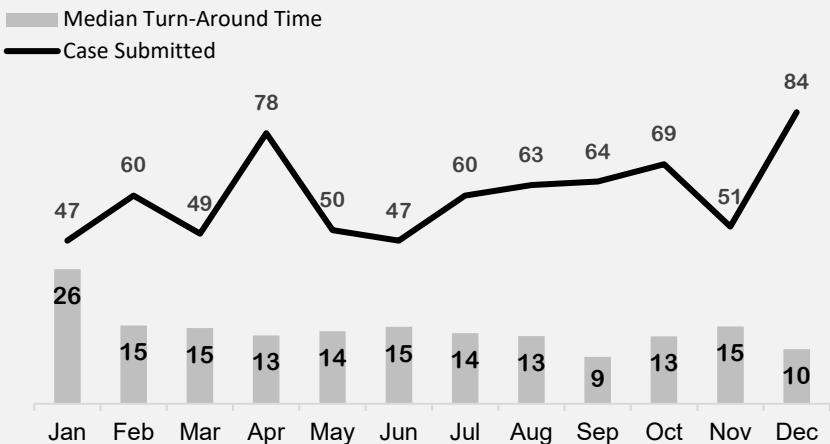
cc: Office of the City Administrator
enclosures: Driving Under the Influence of Drugs and/or Alcohol (DUID) Data Report – 2025

Driving Under the Influence of Drugs and/or Alcohol (DUID)

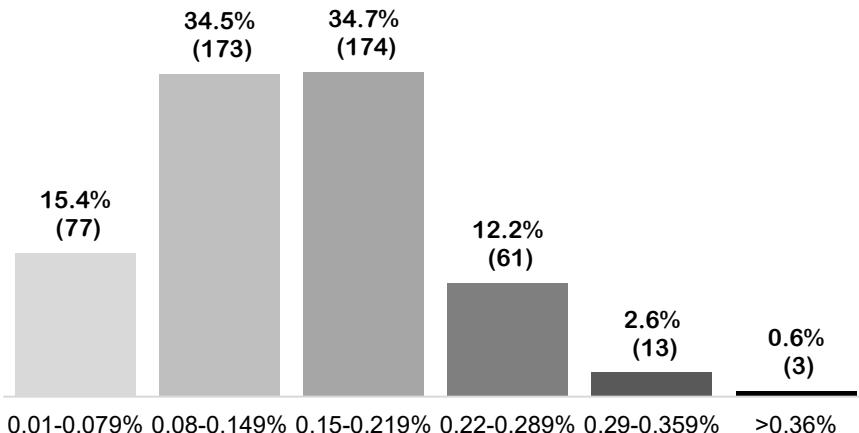
2025

722 Submitted Cases

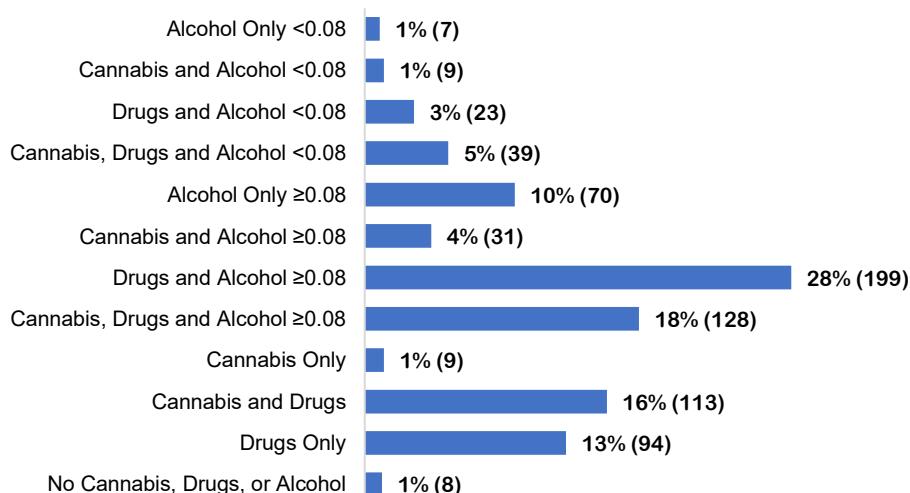
Case Submission by Month



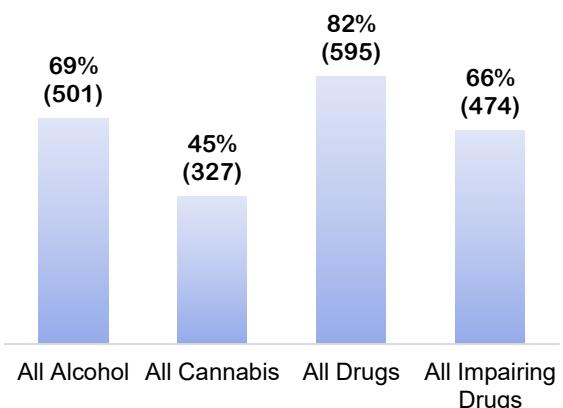
Positive Blood Alcohol Concentrations



Polysubstance Use



Alcohol, Cannabis, and Drugs Overview



Drug Class Prevalence

Drug Class	Prevalence	Cases
Cannabinoids	45%	327
Amphetamines	25%	164 (14)
Cocaine	23%	163
Opioids	13%	83 (11)
Antihistamines	12%	76 (12)
Fentanyl	10%	73
Benzodiazepines	9%	48 (14)
Analgesics	8%	45 (13)
Antidepressants	8%	48 (9)
Anesthetics	7%	49
Dissociatives and Hallucinogens	7%	42 (6)
Anticonvulsants	5%	31 (5)
Phosphodiesterase Inhibitors	5%	18 (15)
Cardiacs	4%	18 (8)
Miscellaneous	3%	23
Antipsychotics	2%	17
Fentanyl Analogs	2%	11 (1)
Muscle Relaxants	2%	12
Opium Poppy Production Compounds	2%	12
Sleep Aids	1%	8
Antibiotics	1%	6
Z Drugs	1%	4
Stimulants	<1%	2
Barbiturates	<1%	1
Diabetics	<1%	1
Tobacco, Foods and Drinks, and Endogenous	62%	217 (228)

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



Driving Under the Influence of Drugs and/or Alcohol (DUID)

2025

722 Submitted Cases

Drug Prevalence		Cases		Drug Prevalence		Cases		
Amphetamines	Methamphetamine	21%	153	Antihistamines	Doxepin	<1%	2	
	Amphetamine	18%	133		Nordoxepin	<1%	2	
	4-Hydroxy Methamphetamine	8%	58		Buspiron	<1%	1	
	N-Ethyl Amphetamine	5%	36		Citalopram	<1%	1	
	Norephedrine / Norpseudoephedrine	2%	15		Nortriptyline	<1%	1	
	3,4-Methylenedioxymethamphetamine (MDMA)	2%	13		Paroxetine	<1%	1	
	Ephedrine / Pseudoephedrine	1%	10		Norchlorcyclizine	5%	33	
	3,4-Methylenedioxymethamphetamine (MDA)	1%	7		Diphenhydramine	3%	23	
	Methoxyphenamine / Mexiletine	<1%	2		Doxylamine	3%	22	
	Methylphenidate	<1%	2		Cetirizine / Levocetirizine	3%	21	
Analgesics	Phentermine	<1%	2		Promethazine	1%	10	
	Ritalinic Acid	<1%	2		Hydroxyzine	1%	7	
	Salicylic Acid	19%	138		Chlorpheniramine	1%	4	
	Acetaminophen	11%	78		Cetirizine	<1%	3	
	Ibuprofen	3%	19		Medizine	<1%	3	
	Naproxen	1%	6		Loratadine	<1%	1	
Anesthetics	Phenacetin	<1%	2		Promazine / Promethazine	<1%	1	
	Ketoprofen	<1%	1	Antipsychotics	Norquetiapine	1%	6	
	Sumatriptan	<1%	1		Haloperidol	1%	5	
	Lidocaine	7%	49		Quetiapine	1%	5	
Antibiotics	Norlidocaine	1%	9		7-Hydroxy Quetiapine	1%	4	
	Etomidate	<1%	1		9-Hydroxy Risperidone	<1%	3	
	Metronidazole	<1%	3		Aripiprazole	<1%	2	
Anticonvulsants	Quinoline	<1%	3		Risperidone	<1%	1	
	Gabapentin	3%	20		Ziprasidone	<1%	1	
	Lamotrigine	1%	8	Barbiturates	Phenobarbital	<1%	1	
	Topiramate	1%	6		Alprazolam	3%	19	
	Pregabalin	1%	5		4-Hydroxy Alprazolam	2%	11	
	Valproic Acid	<1%	3		Phenazolam	2%	11	
	Carbamazepine-10,11-Epoxide / Oxcarbazepine / Phenytoin	<1%	1		alpha-Hydroxy Alprazolam	1%	10	
Antidepressants					Lorazepam	1%	10	
	Citalopram / Escitalopram	2%	12		Nordiazepam	1%	10	
	Trazodone	2%	11		7-Amino Clonazepam	1%	9	
	Sertraline	1%	10		Bromazolam	1%	9	
	Bupropion	1%	9		Clonazepam	1%	8	
	Norsertraline	1%	9		Diazepam	1%	7	
	Hydroxy Bupropion	1%	8		Midazolam	1%	7	
	[erythro-/threo-]Hydrobupropion	1%	7		alpha-Hydroxy Midazolam	1%	6	
	1-(3-Chlorophenyl)-Piperazine (McPP)	1%	7		Desalkyl Gidazepam	1%	5	
	Desmethyl Citalopram	1%	6		Temazepam	1%	5	
O-Desmethyl Venlafaxine / N-Desmethyl Venlafaxine	Norfluoxetine	1%	6	Cannabinoids	4'-Chloro Deschloro Alprazolam / Alprazolam	<1%	3	
	O-Desmethyl Venlafaxine / N-Desmethyl Venlafaxine	1%	5		Chlordiazepoxide	<1%	2	
	Venlafaxine	1%	5		alpha-Hydroxy Etizolam	<1%	1	
	Duloxetine	1%	4		Bromazepam	<1%	1	
	Fluoxetine	1%	4		Oxazepam	<1%	1	
	Mirtazapine	1%	4		Carboxy THC	43%	314	



Driving Under the Influence of Drugs and/or Alcohol (DUID)

2025

722 Submitted Cases

Drug Prevalence		Cases		Drug Prevalence		Cases	
	delta-8 Carboxy THC		4			N-Methyl Norfentanyl	4% 30
	delta-9 Carboxy THC		222			Phenethyl 4-ANPP	3% 24
	Unspecified Carboxy THC		88			4-Anilinopiperidine (4-AP)	3% 20
	Tetrahydrocannabinol (THC)	33%	241	Fentanyl Analogs			
	delta-8 Tetrahydrocannabinol (delta-8 THC)		2			Acetyl Fentanyl	2% 12
	delta-9 Tetrahydrocannabinol (delta-9 THC)		236			[meta-/ortho-/para-]Fluoro Fentanyl	1% 8
	Unspecified Tetrahydrocannabinol (THC)		3			Acetyl Norfentanyl	<1% 3
	11-Hydroxy THC	26%	188			[3'-/4'-/meta-/ortho-/para-]Fluoro Fentanyl	<1% 2
	Tetrahydrocannabinol Acid (THCA)	24%	176			Despropionyl para-Fluoro Fentanyl	<1% 2
	Tetrahydrocannabivarinic Acid (THCVA)	21%	150			para-Fluoro Norfentanyl	<1% 2
	Cannabigerolic Acid (CBGA)	1%	9			[2'-/3'-/4'-/cis-3-/trans-3-/4-/alpha-/beta-/meta-/ortho-/para-]Methyl Fentanyl / Butyryl Fentanyl / Isobutryl Fentanyl	<1% 1
	Cannabichromene (CBC)	1%	8			Despropionyl meta-Methyl Fentanyl / Despropionyl ortho-Methyl Fentanyl	<1% 1
	Cannabigerol (CBG)	1%	8			Isobutryl Norfentanyl	<1% 1
	Cannabidiol (CBD)	1%	4	Miscellaneous			
	Cannabinol (CBN)	1%	4			Ondansetron	1% 7
	Cannabinolic Acid (CBNA)	<1%	3			Levamisole	1% 5
	Cannabichromene (CBC) / Tetrahydrocannabinol (THC)	<1%	2			Finasteride	<1% 3
	9R-Hexahydrocannabinol (HHC)	<1%	1			Guaifenesin	<1% 2
	Cannabidiolic Acid (CBDA)	<1%	1			Tetrahydrozoline	<1% 2
	Cannabinodiol (CBND)	<1%	1			Varenicline	<1% 2
	Hexahydrocannabinol (HHC)	<1%	1			Yohimbine	<1% 1
Cocaine				Muscle Relaxants			
	Benzoylecggonine	21%	149			N-Desmethyl Cyclobenzaprine	1% 7
	Cocaine	19%	138			Cyclobenzaprine	1% 4
	Ecgognine	10%	71			Meprobamate	1% 4
	Cocaethylene	9%	66			Carisoprodol	<1% 3
	meta-Hydroxy Cocaine / para-Hydroxy Cocaine	8%	60			Tizanidine	<1% 1
	Anhydroecgonine Methyl Ester	5%	38	Opioids			
	Norcocaine	5%	38			Morphine	3% 25
	Ecgognine Methyl Ester (EME)	5%	33			Dextromethorphan / Levomethorphan	3% 21
	meta-Hydroxy Cocaine	4%	28			Noroxycodone	3% 19
	para-Hydroxy Cocaine	1%	6			Codeine	2% 17
Diabetics						Codeine 6-beta-D-Glucuronide	2% 17
	Glipizide	<1%	1			Oxycodone	2% 16
Dissociatives and Hallucinogens						EDDP (Methadone Metabolite)	2% 15
	Norketamine	3%	25			Morphine 3-beta-Glucuronide	2% 15
	Ketamine	3%	22			Morphine 6-beta-Glucuronide	2% 15
	Hydroxy Norketamine	2%	17			Methadone	2% 14
	gamma-Hydroxybutyric Acid (GHB)	1%	4			Dextrorphan / Levorphanol	1% 9
	Lysergic Acid Diethylamide (LSD)	1%	4			6-Monoacetylmorphine (6-MAM)	1% 8
	Phencyclidine (PCP)	<1%	2			Mitragynine	1% 8
	Psilocin	<1%	2			Buprenorphine	1% 6
	Psilocybin	<1%	2			EMDP (Methadone Metabolite)	1% 6
	5-Hydroxy N-Methyl Tryptamine	<1%	1			Norcodeine	1% 6
	Deschloro N-Ethyl Ketamine	<1%	1			Norhydrocodone	1% 6
	N,N-Dimethyltryptamine (DMT)	<1%	1			Noroxymorphone	1% 6
Fentanyl						Oxymorphone	1% 6
	Fentanyl	10%	69			Norbuprenorphine	1% 5
	Norfentanyl	8%	56			Naloxone	1% 4
	4-Anilino N-Phenethylpiperidine (4-ANPP)	5%	35			Normorphine	1% 4
	beta-Hydroxy Fentanyl	5%	33				



Driving Under the Influence of Drugs and/or Alcohol (DUID)

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Drug Prevalence

	Cases		
Hydrocodone	<1%	3	
Loperamide	<1%	3	
Mitragynine Pseudoindoxyl	<1%	3	
O-Desmethyl-Tramadol	<1%	3	
Tramadol	<1%	3	
Tropinone	<1%	3	
Hydromorphone	<1%	2	
N-Desmethyl Tramadol	<1%	2	
7-Hydroxy Mitragynine	<1%	1	
Dihydrocodeine	<1%	1	
Opium Poppy Production Compounds			
Papaverine	2%	13	
Phosphodiesterase Inhibitors			
Tadalafil	2%	18	
Desethyl Vardenafil / N-Desmethyl Sildenafil	2%	17	
Sildenafil	2%	17	
Sleep Aids			
Melatonin	1%	8	
Stimulants			
Doxapram	<1%	1	
Modafinil	<1%	1	
Tobacco, Foods and Drinks, and Endogenous			
Cotinine	44%	317	
5-Hydroxy Tryptamine (5-HT)	34%	242	
Nicotine	31%	222	
Theacrine	7%	53	
Theobromine / Theophylline	5%	39	
Caffeine	4%	29	
Quinine / Quinidine	2%	18	
Metformin	2%	15	
Z Drugs			
Zolpidem Phenyl-4-Carboxylic Acid	1%	4	
Zolpidem	<1%	3	