City & County of San Francisco London N. Breed, Mayor



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

February 22, 2024

Subject: Report on Drug and Alcohol Prevalence in Impaired Driving Casework - 2023

The enclosed report includes drug and alcohol prevalence data on received Driving Under the Influence of Drugs and/or Alcohol (DUID) casework in the City and County of San Francisco for the year 2023. 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 <u>full and comprehensive testing</u> 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).

The OCME has consistently met the target of issuing final reports within a month for over 90% of cases, with 95% of cases reported within 30 days in 2023.

Enclosed is a detailed DUID Data Report for 2023. Key findings were:

- One or more intoxicating substance was identified in 100% of cases.
- Bromazolam was detected in 2% of cases and Xylazine was detected in <1% of cases.
- The OCME identified the presence of alcohol in 80%, cannabis in 40%, and drugs in 50% of cases.
- Polysubstance use was the most common result of DUID casework with 57.1% of all cases positive for any combination of alcohol, cannabis, and/or drugs (e.g., positive for alcohol, cannabis, and drugs, etc.).

Sincerely,

Luke N. Rodda, Ph.D. MRACI CChem

Chief Forensic Toxicologist and Director, Forensic Laboratory Division

cc: Office of the City Administrator

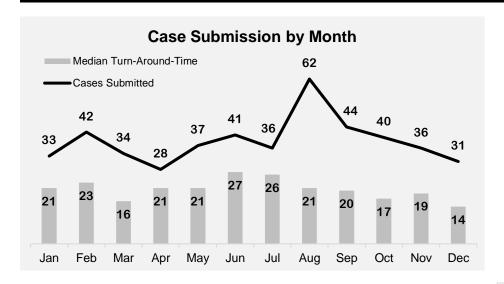
enclosures: Driving Under the Influence of Drugs and/or Alcohol (DUID) Data Report – 2023

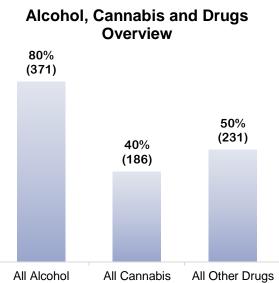


Driving Under the Influence of Drugs and/or Alcohol (DUID)

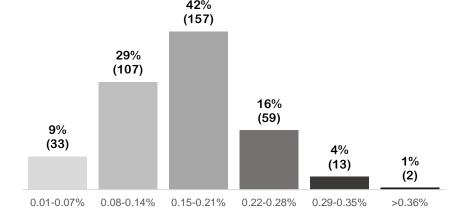
2023

464 Submitted Cases





Positive Blood Alcohol Concentrations

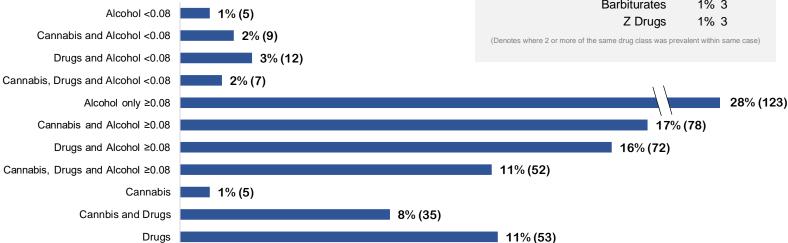


Drug Class Prevalence Cases 40% 186 Cannabinoids **Amphetamines** 19% 88 (1) Cocaine and Metabolites 17% 79 Opioids 16% 52 (23) **Antihistamines** 11% 49 (3) Benzodiazepines 11% 45 (7) Dissociatives 4% 19 4% 16 (2) Anticonvulsant Anesthetic 2% 11 1% 6 Miscellaneous 1% 5 Hallucinogen Muscle Relaxant 1% 3 **Barbiturates** 1% 3 Z Drugs 1% 3 (Denotes where 2 or more of the same drug class was prevalent within same case)

Polysubstance Use

0% (0)

No Cannabis, Drugs or Alcohol





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

2023

464 Submitted Cases

Cas	ses	Drug Prevalence
		Tetrahydrocannabin
		Cannabich
		Car
		Cann
		Car
		Cocaine
<1%	4	Ве
<1%	1	
3%	12	meta-/para-Hy
		Anhydroecgonir
3%	16	
<1%	4	Dissociatives
8%	38	
		Pheno
		gamma-Hydroxybuty
		Hallucinogens
		•
		Miscellaneous
\170		
-1%	3	
< 1 /0	3	Muscle Relaxants
		macoro renazamo
30/	1/	
		Opioids
		Opiolas
		Devites an eth own how //
		Dextromethorphan/Le
		•
		EDDP (Methado
<1%	1	
<1%	1	No
<1%	1	N
<1%	1	No
<1%	1	
		Dextrorpha
38%	178	· [
	147	
	31	6-Monoacetylmor
31%	145	
	-	
	153	O-Desm
23%	153 108	O-Desm
	16% 15% 2% 2% 2% <1% <1% 3% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1	16% 73 15% 69 2% 8 2% 7 2% 7 <1% 4 <1% 1 3% 12 3% 16 <1% 4 8% 38 2% 8 1% 5 <1% 4 <1% 2 <1% 1 <1% 1 <1% 1 <1% 3 3% 14 3% 12 2% 11 2% 9 2% 8 2% 7 1% 6 <1% 4 <1% 3 <1% 2 <1% 1 <1% 4 <1% 3 <1% 2 <1% 1 2% 9 2% 8 2% 7 1% 6 <1% 4 <1% 3 <1% 2 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <1% 1 <

Drug Prevalence	Cas	es
Tetrahydrocannabinol Acid (THCA)	10%	45
Cannabichromene (CBC)	2%	10
Cannabinol (CBN)	1%	6
Cannabigerol (CBG)	1%	5
Cannabidiol (CBD)	<1%	3
Cocaine		
Benzoylecgonine	16%	75
Cocaine	14%	65
Cocaethylene	10%	46
meta-/para-Hydroxy Cocaine	3%	12
Anhydroecgonine Methyl Ester	1%	6
Norcocaine	<1%	3
Dissociatives		
Norketamine	3%	16
Ketamine	3%	13
Phencyclidine (PCP)	<1%	2
gamma-Hydroxybutyric Acid (GHB)	<1%	1
Hallucinogens		
Psilocybin	<1%	4
Psilocin	<1%	2
Miscellaneous		
Mitragynine	<1%	4
Xylazine	<1%	2
Muscle Relaxants	407	•
Meprobamate	<1%	3
Carisoprodol	<1%	2
Opioids	400/	50
Fentanyl	13%	59 40
Norfentanyl	11% 3%	49
Naloxone Dextromethorphan/Levomethorphan	3% 2%	12
Morphine	2% 2%	8 8
Noroxycodone	2% 2%	8
Oxycodone	2 % 1%	6
Acetyl Fentanyl	1%	5
EDDP (Methadone Metabolite)	1%	5
Methadone Metadone	1%	5
Codeine	<1%	4
Hydrocodone	<1%	4
Norbuprenorphine	<1%	3
Norhydrocodone	<1%	3
Noroxymorphone	<1%	3
Buprenorphine	<1%	2
Dextrorphan/Levorphanol	<1%	2
Dihydrocodeine	<1%	2
Tramadol	<1%	2
6-Monoacetylmorphine (6-MAM)	<1%	1
Hydromorphone	<1%	1
O-Desmethyl-Tramadol	<1%	1
Oxymorphone	<1%	1
O.ySiphono	1170	·



Driving Under the Influence of Drugs and/or Alcohol (DUID) 2023

464 Submitted Cases

Drug Prevalence	Cases	
Volatiles		
Ethanol	80%	372
Z (sleeping) Drugs		
Zolpidem	<1%	3
Zolpidem Phenyl-4-Carboxylic Acid	<1%	3
Out-of-Scope		
9-Hydroxy Risperidone		1
Acetaminophen	<1%	1
Citalopram/Escitalopram	<1%	1
Salicylic Acid	<1%	1