

Office of the Chief Medical Examiner

CDPH Enhanced Forensic Toxicology Program, FY 23-28

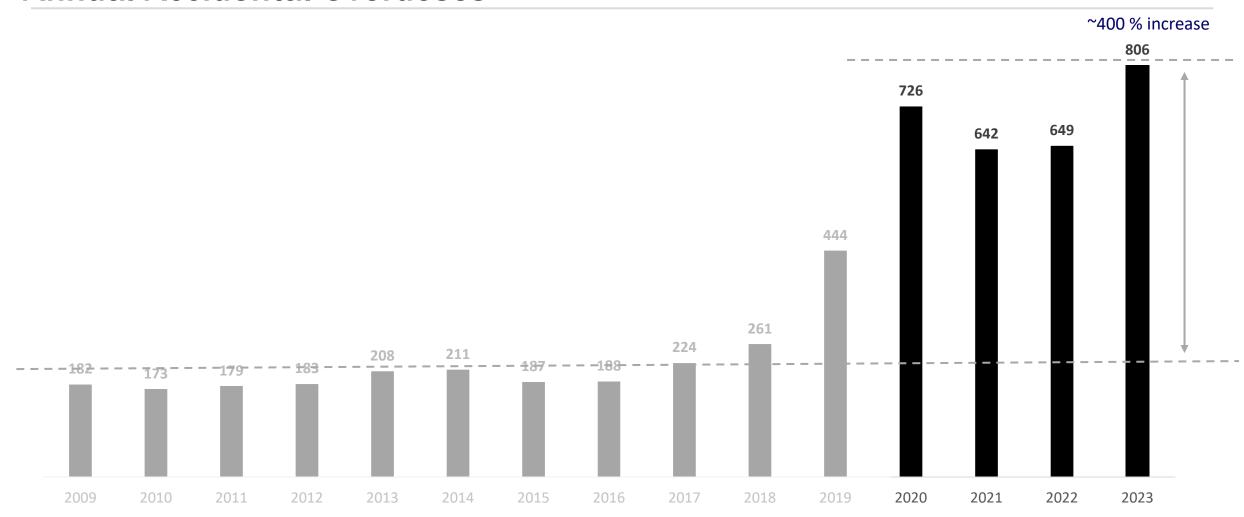
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Annual Accidental Overdoses



CITY ADMINISTRATOR

CDPH 22-23 Grant

Re-analysis of 2022 Accidental Overdoses

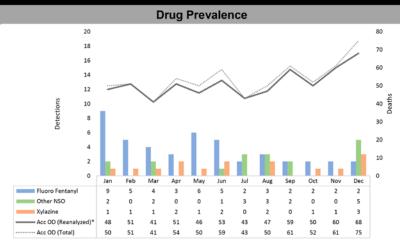
- Received grant from CDPH for staff from Aug 22 Aug 23
- Method development and validation
 - a. > 250 Novel Synthetic Opioids (NSO), and Xylazine
 - b. Re-analyzed 617 Accidental Overdoses (of 649 from 2022)
- Identified NSO and/or Xylazine in 54 cases
 - a. Fluoro Fentanyl (an NSO) in 45 cases
 - b. 10 different other NSOs (Fentanyl Analogs) in 12 cases
 - c. Xylazine in 15 cases
- Issued 27-page report
 - a. Demonstrate potent opioid use in conjunction with fentanyl epidemic
 - b. Provided accurate Cause of Death findings to families and community

OFFICE OF THE CHIEF MEDICAL EXAMINER



CITY AND COUNTY OF SAN FRANCISCO

Novel Synthetic Opioid and Xylazine Re-Analysis of 2022 Accidental Overdoses



Total Cases	9%	54
Novel Synthetic Opioid		
Veterinary Tranquilizer		
Novel Synthetic Opioid (Fentanyl Analog)	8%	48
Fluoro Fentanyl	7%	45
[meta-/ortho-/para-]Fluoro Fentanyl	6%	40
Despropionyl para-Fluoro Fentanyl	4%	24
Despropionyl ortho-Fluoro Fentanyl	<1%	2
Acryl Fentanyl	1%	5
3',4'-Dimethoxy Fentanyl	1%	4
N,N-Dimethylamindodespropionyl Fentanyl	<1%	2
Fluoro Furanyl Fentanyl	<1%	1
[meta-/ortho-/para-]Fluoro Furanyl Fentanyl	<1%	1
Benzyl Acryl Fentanyl	<1%	1

Chloro Fentanyl	<1%	1
ortho-Chloro Fentanyl	<1%	1
Chloro Cyclopropyl Fentanyl	<1%	1
para-Chloro Cyclopropyl Fentanyl	<1%	1
Fluoro Acetyl Fentanyl	<1%	1
para-Fluoro Acetyl Fentanyl	<1%	1
Tetrahydrofuran Fentanyl / Tetrahydrofuran	<1%	1
Fentanyl 3-Tetrahydrofurancarboxamide		
Novel Synthetic Opioid (Utopioid)	<1%	1
N-Desmethyl U-47700	<1%	1
Veterinary Tranquilizer	2%	15
Xylazine	2%	15

Of the 647 total Accidental Overdose 2022 cases, 617 cases were able to be re-analy



CDPH 23-28 Grant

Develop a system for routine testing of Novel Drugs

Challenges

- 4x increase in drug related deaths
 - more cases
- Novel drug availability within the community in recent years
 - more drugs to test
- Multiple drug/polysubstance use increase
 - more complex cases

Aims

- Create and Validate an Automated and efficient system for routine testing of Novel Psychoactive Substances (NPS)
- Provide accurate Cause of Deaths Certifications for families and Public Health data
- Maintain national turnaround time standard

CITY ADMINISTRATOR

CDPH 23-28 Grant

Funding Needs

- 1 Forensic Toxicologist (2456)
- Allows flexibility to hire additional positions as needed
 - a. Forensic Toxicologist (2456)
 - b. Forensic Laboratory Analyst (2403)
 - c. Forensic Toxicologist Supervisor (2457)