Emerging Illicit Substances: Surveillance Resource Appendix



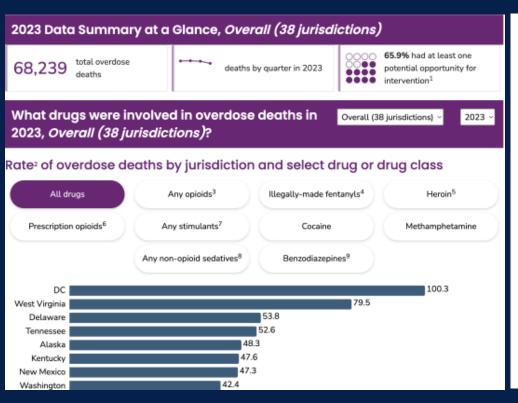
Surveillance Resources

- CDC SUDORS Dashboard: National Drug Overdose Fatality Data Source
- CSFRE NPS Discovery: Drug and Forensic Toxicology Testing Results, Trend Reports, Emerging New Substances Data
- Drug Overdose Toxico-Surveillance: Emergency Department Overdose Biosurveillance Project conducted by the American College of Medical Toxicology in collaboration with CSFRE
- National Forensic Laboratory Information System (NFLIS): Forensic Drug Chemistry Laboratory Data,
 Medical Examiner and Coroner Data, Toxicology Laboratory Data
- National Drug Early Warning System (NDEWS): Collaboration between University of Florida, New York University, and Florida Atlantic University
- Toronto Drug Checking Service: Drug Checking Data Source- Key Findings, Updates, Testing Methods
- New York State Dept. of Health Checking Service: Drug Checking Data Source- Key Findings, Updates, Alerts
- Drug Checking Programs in Pennsylvania: Philadelphia Dept. of Health Checking Service
 and PA Groundhogs Drug Checking Services: in collaboration with CSFRE
- Street Check: Community Drug Checking
- Erowid/Drugsdata.org: Anonymous drug sample analysis data



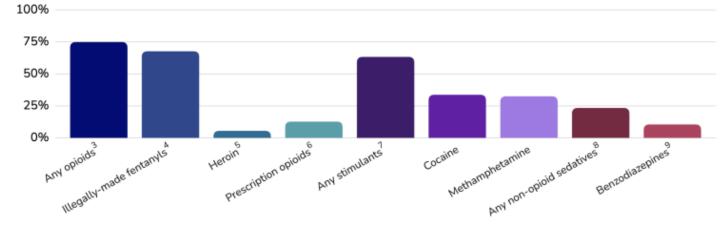
CDC SUDORS Dashboard

National Drug Overdose Fatality Data Source



Percentages² of overdose deaths involving select drugs and drug classes during January–June 2024, *Overall (43 jurisdictions*³) – Preliminary Data

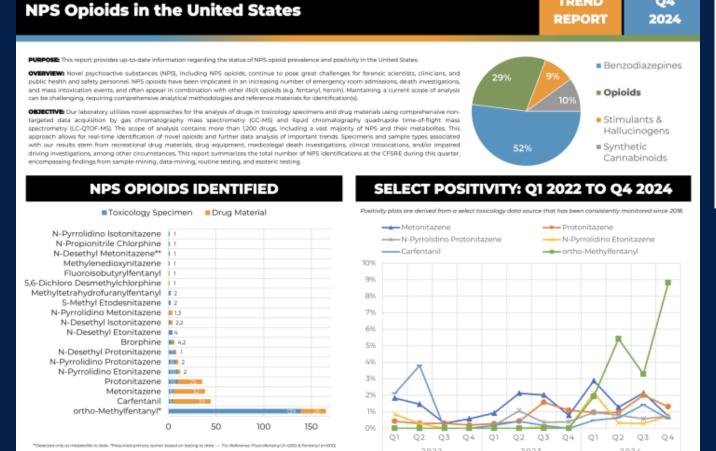
Based on preliminary data, there were 28,963 overdose deaths in 43 jurisdictions. Among those, 74.9% of deaths involved at least one opioid and 63.3% involved at least one stimulant. Illegally-made fentanyls were the most commonly involved opioids. The most common stimulant involved in overdose deaths was cocaine.

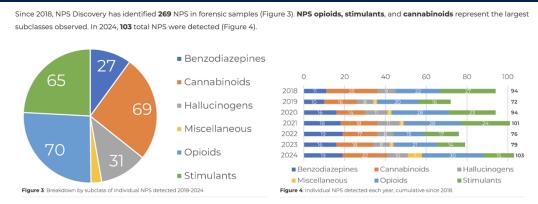




CSFRE NPS Discovery

Drug and Forensic Toxicology Testing Results, Trend Reports, Emerging New **Substances Data**





Join the listsery to receive trend reports, public alerts, emerging substance updates and more: https://action.cfsre.org/a/signup

Main Site: https://www.cfsre.org/npsdiscovery/

scirrowledges scientists at the CFSRE, NHS Labs, and many other collaborating agencies. HUMU, "implementation of NPS Discovery - An Early Warning System for Novel Dru.

ports, please corract NPS Discovery at respictors reference or visit our website at and Toxicology Populations in the US"). The opinions, findings, conclusions and

Drug Overdose Toxico-Surveillance

Emergency Department Overdose Biosurveillance Project conducted by the American College of Medical Toxicology in collaboration with CSFRE

DOTS Reporting Program — Quarterly Report

CLINICAL

2023

Range

10-180

<1-31

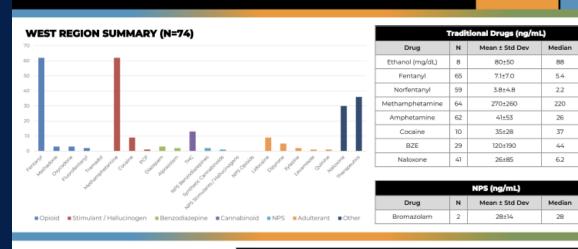
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<1-280

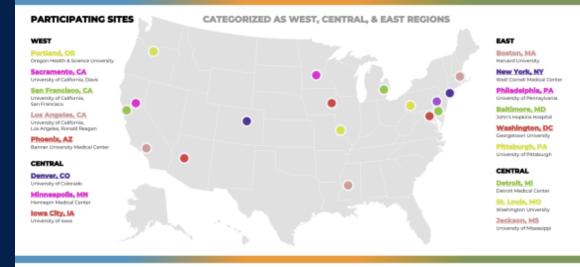
<1-67

<1->1000

Range



CENTRAL REGION SUMMARY (N=130)									NPS (n	g/mL)				
Total and Town (as feet)						Drug	N	Mean ± Std Dev	Median	Range		Drug	N	Range
Traditional Drugs (ng/mL)						Bromazolam	6	61±37	55	<5-130		Flubromazepam	2	<5->500
Drug	N	Mean ± Std Dev	Median	Range	120									
Ethanol (mg/dL)	9	170±140	130	20-390	80									
Fentanyl	101	8.3±12	4.3	<1-100	60									
Norfentanyl	89	9.2±27	2.8	<1-200	40							-		_
Methamphetamine	52	120±170	71	<1->1000	20			. 11				-111	_	. 11
Amphetamine	47	23±30	n	<1-130			çe asi	Marie Coldina do Marca	JEFF THE	ster ster st	ġ.	de de la	gill of	o pro sico
Cocaine	30	4.3±3.2	2.9	<1-9.4	¢°	STREET BETTERN CHROCKER BETTERN	re Transacti	Martin Collins of Control of		AND CONTRACTOR OF CONTRACTOR O	Fritz	State Children Hapter Broken	Sill for	THE THE STATE
BZE	66	260±249	175	<1->1000		4.	Phatria		HIP'S BERTALINES	CANTE MALE				
Naloxone	44	6.2±4.0	5.0	<1-19					Harry Statement	Sh.				
Xylazine	23	19±40	2.5	<1-150		■Opioid ■Stim	ulant,	/Hallucinogen ■B	enzodiazepi	ne Cann	abir	noid NPS Adu	ılteran	t Other

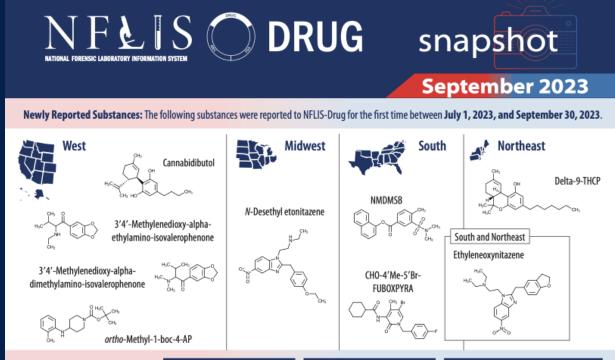


LL SITE SUMMARY RESULTS (N=294)	Traditional Drugs (ng/mL)					MPS (ng/mL)				
I .	Drug	N	Mean ± Std Dev	Median	Range	Drug	N	Mean ± Std Dev	Median	Range
	Ethanol (mg/dL)	24	TI0±105	79	9.9-390	Bromazolem	25	81±85	50	+5-310
	Fentanyl	227	8.5±11	4.7	<1-100	Flutaromazepam	2	-		<5->500
	Norfentanyl	207	8.4121	2.0	×1-200	N/N-Dimethylpentylone	П	24:19	16	+10-63
- II . In II	Methamphetamine	123	290±240	120	<1-4000	Pentylone	8	15:14	10	10-54
mallandha.llladl	Amphetamine	76	35e51	19	<1:280	Eutylone	3	25x22	10	<10-57
///////////////////////////////////////	Cocaine	78	Th:20	2.4	<1-67	N-Desethyl isotonitazene	4	2.0:19	11	05-53
	826	160	240+240	160	<1.>1000	Metonitazene	1	-		1.0
1/4	Xylazine	59	14:129	49	<1.150	Protonitazene	1		-	+0.5
ploid #Stimulant/Hallucinogen #Senzadiaspine #Cannabinoid #1975 #Aduburant #10ther	Naloxone	101	75±59	52	×1-510					



National Forensic Laboratory Information System (NFLIS)

Forensic Drug Chemistry Laboratory Data, Medical Examiner and Coroner Data,
Toxicology Laboratory Data



Snapshot of Drug Reports Received by NFLIS-Drug

The tables on the right present the top drug reports in each category received by NFLIS-Drug between July 1, 2023, and September 30, 2023.

Top 5 Reported	
Drugs	187,502
Methamphetamine	77,345
Fentanyl	38,078
Cocaine	37,766
Cannabis/THC	27,473
Heroin	6,840

Psychedelics	3,481
Psilocin	1,849
Psilocin/psilocybin	760
Lysergic acid diethylamide (LSD)	462
Psilocybin	410

Selected Benzimidazole	
Opioids	355
Metonitazene	213
Protonitazene	118
Isotonitazene	9
N-Pyrrolidino etonitazene	9
Ethyleneoxynitazene	6

Ethyleneoxynitazene	6
Steroids	278
Testosterone	166
Trenbolone	42
Oxandrolone	25
Methandrostenolone	23
Nandrolone	22

Compounds	9,150
4-ANPP	4,643
Fluorofentanyl	3,267
Fluorofentanyl (unspecified)	1,975
para-Fluorofentanyl	1,289
meta-Fluorofentanyl	3
Acetyl fentanyl	817
Phenethyl 4-ANPP	337
Ethyl 4-ANPP	86

NFLIS-Drug

1,181,750 drug reports in 2022

Established in 1997, the National Forensic Laboratory Information System (NFLIS) is a program of the Drug Enforcement Administration (DEA), Diversion Control Division. The DEA's NFLIS-Drug data collection systematically collects drug identification results and associated information from drug cases submitted to and analyzed by participating Federal, State, and local forensic laboratories with drug chemistry sections. The 2022 NFLIS-Drug Annual Report showed that a total of 1,181,750 drug reports were identified by State and local forensic laboratories in the United States.

https://www.nflis.deadiversion.usdoj.gov/

National Drug Early Warning System (NDEWS)

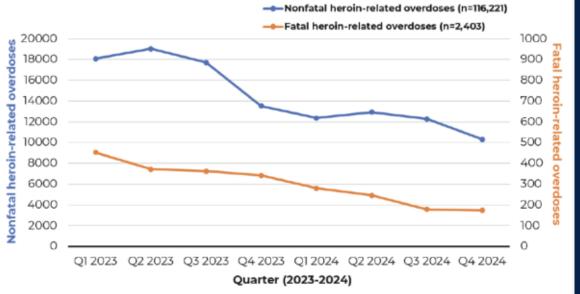
N-DEWS

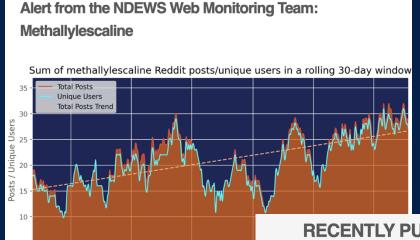
Collaboration between University of Florida, New York University, and Florida Atlantic University

NDEWS Special Report: EMS encounters for nonfatal and fatal heroin-related overdoses in the US January 1, 2023 -December 31, 2024

Nonfatal and fatal heroin-related overdoses among EMS encounters in the US by quarter

January 1, 2023 - December 31, 2024





What is Methallylescaline? Methallylescaline is mescaline. It is a 5-HT receptor agonist.

RECENTLY PUBLISHED

The prevalence of fentanyl in New York City's unregulated drug supply as measured through drug checking offered at syringe service programs

'Sold as' description	Drop-off samples	Participant samples	Total		
	N	N	N	Percent (%	
Opioids	276	632	908	55	
Cocaine	113	201	314	19	
Methamphetamine	12	50	62	4	
Benzodiazepines	19	40	59	4	
Speedballs	0	14	14	0.9	
Goofballs	0	1	1	0.1	
Other	56	128	184	11	
No information	85	17	102	6	
Total	561	1083	1644	100	

You can subscribe to receuive weekly briefings from NDEWS: https://ndews.org/get-involved/subscribe-to-ndews/

Main Website: https://ndews.org/novel-surveillance/

A new study in Drug and Alcohol Dependence by Estrada et al. examines fentanyl prevalence in New York City's unregulated drug market through 1,644 drug samples analyzed at syringe service programs (2021-2023)

Toronto Drug Checking Service

Drug Checking Data Source- Key Findings, Updates, Testing Methods

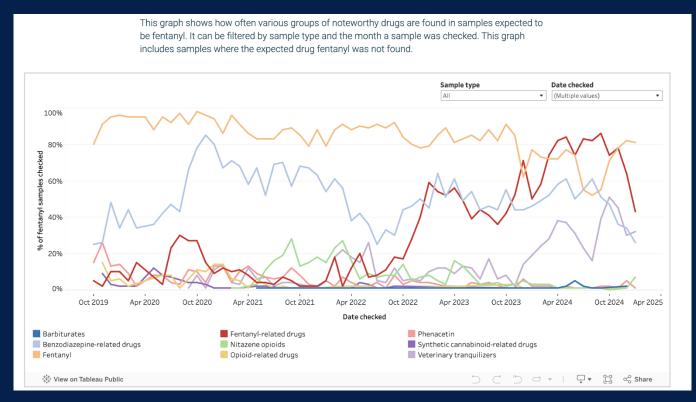
Toronto's Drug Checking Service

Results from 184 samples checked

February 8 – 21, 2025

Key findings

- 12% of the expected¹ fentanyl samples² were known to be associated with an overdose all of these samples contained at least one high-potency opioid³ (an opioid considered to be as strong as or stronger than fentanyl), many in combination with a benzodiazepine-related drug and/or veterinary tranquilizer
- 38% of the expected¹ fentanyl samples² contained multiple high-potency opioids³, including fentanyl, fluorofentanyl, a methylfentanyl-related drug, and/or protodesnitazene
- 68% of the expected¹ fentanyl samples² contained a veterinary tranquilizer 55% contained xylazine and 17% contained medetomidine. This is by far the highest proportion of expected¹ fentanyl samples² we have found a veterinary tranquilizer in since we first detected them in September 2020.
- 35% of the expected¹ fentanyl samples² contained a methylfentanyl-related drug (at this time, we believe ortho-methylfentanyl is circulating, which is considered to be as strong as fentanyl)
- 35% of the expected¹ fentanyl samples² contained a benzodiazepine-related drug, namely, <u>bromazolam</u>, <u>desalkylgidazepam</u>, <u>nordiazepam</u>, as well as a "new" benzodiazepine-related drug, <u>ethylbromazolam</u>. As far as we know, we are the first to publicly share the presence of ethylbromazolam in Canada's unregulated drug supply.





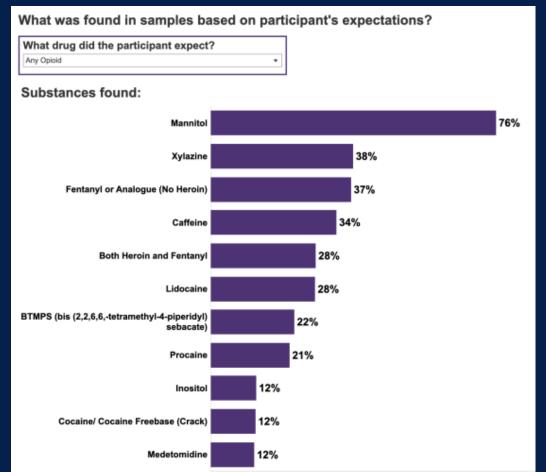
Sign up to receive reports, alerts, and other information on Toronto's unregulated drug supply and drug checking services more broadly: https://community.us21.list-manage.com/subscribe?u=661c1ada7b258455a5dfd1289&id=604fa25ed7

New York State Dept. of Health Checking Service

Drug Checking Data Source- Key Findings, Updates, Alerts

Expected Drugs In the past 6 months, the most common drug that participants expected their sample to be was Fentanyl. Fentanyl only 19% Heroin only Methamphetamine only Both Heroin and Fentanyl 12% Other drug Unknown/ Missing Cocaine only Cocaine Freebase (Crack) only Ketamine **MDMA** Footnotes: * The "Other drug" category includes THC/ cannabis, hormones including testosterone and estradiol, prescription medications including Percocet, Adderall, and Xanax, recreational drugs with psychedlic or stimulant effects including DMT and MDA, and benzodiazepines * Participants can select more than one expected drug

* Data from 8/1/24 to 1/31/25.



Drug Checking Programs in Pennsylvania: Philadelphia Dept. of Health Checking Service and PA Groundhogs Drug Checking Services Collaboration with CSFRE



PAG RELEASES ADULTERANT REPORT: NEW CUTTING AGENTS ALTERING THE ILLICIT OPIOID SUPPLY

OUT SERV

SERVICES TEST KITS



ESOURCES

NATE MORE V

Changing Drug Supply

While opioids are present in most overdose deaths in Philadelphia, overdose deaths involving stimulants (like cocaine, crack, and methamphetamine), xylazine (a veterinary medication also called tranq), and other contaminants are also on the rise. In 2022, stimulants, both with and without opioids, were detected in more than 70% of overdose fatalities. The combination of stimulants and opioids can be unintentional, meaning the drugs were prepared together before being sold, or intentionally, meaning the person using the substances combined the drugs themselves.

Tranq was detected in 34 percent of fatal overdoses in 2022. Tranq was first seen in the drug supply in Puerto Rico in the early 2000s, and then in Philadelphia in 2006. SUPHR has put together a number of resources to share our knowledge, as an increasing number of municipalities in the United States are also struggling to address the concerns associated with trang.

https://www.substanceusephilly.com/drugsupply



FREE STREET-TO-LAB DRUG CHECKING IN THE COMMONWEALTH OF PENNSYLVANIA



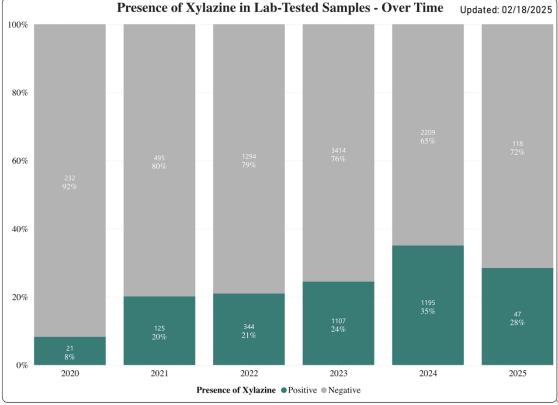
https://pagroundhogs.org/home

Street Check: Community Drug Checking



CLICK HERE TO VIEW DRUG RESULTS







https://www.info.streetcheck.org/data

Erowid/Drugsdata.org

Anonymous drug sample analysis data

Erowid's an	JGS Data. snonymous drug analysis called EcstasyData					SEARCH LAB RESUL	ULTS BY which is a second of the second of	Advanced Search GO Support DrugsData	
Test Results	Test Result Statistics	About Tests & Data	About Us	Contact Us	FAQ				

New Submissions Are Not Currently Being Accepted Samples sent after April 10, 2024 will be put on hold.







Advanced Search: show >





