



08/29/2024

Connecticut Clearing House Educational Forum

# Unintentional Drug Overdoses in Connecticut: Data Trends and Meeting People Where They Are!

Part A:

## **Drug Overdose Data Trends**

Shobha Thangada, Injury and Violence Surveillance Unit, Connecticut Public Health

Part B:

## **Meeting People Where They Are!**

Kevin Shuler, Connecticut Community for Addiction Recovery (CCAR)

Part C:

## **Community Drug Checking - A Harm Reduction Approach to Mitigate Overdose Risk**

Heather Clinton, Injury and Violence Surveillance Unit, Connecticut Public Health

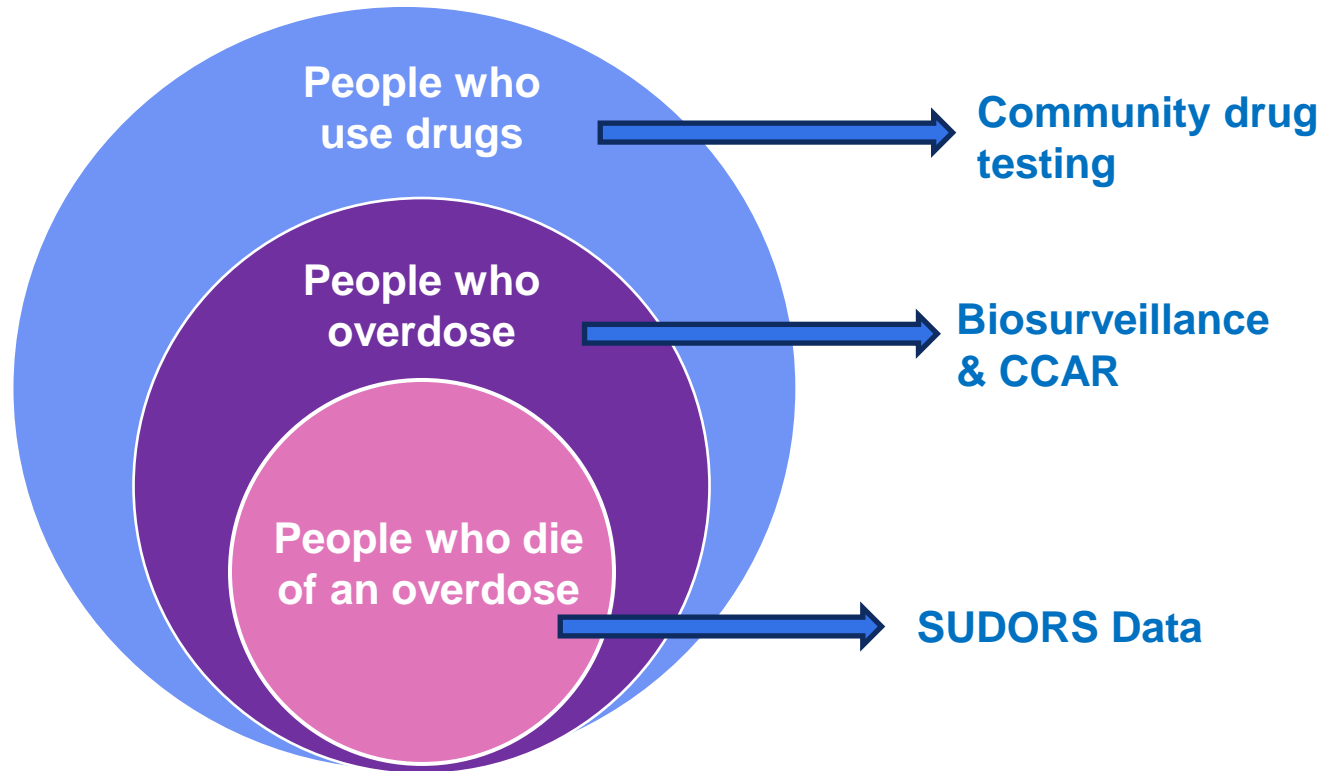
Part A  
**DRUG OVERDOSE DATA TRENDS**

**Shobha Thangada**  
Epidemiologist 2  
Injury and Violence Surveillance Unit  
Community, Family Health and Prevention Branch  
Connecticut Public Health

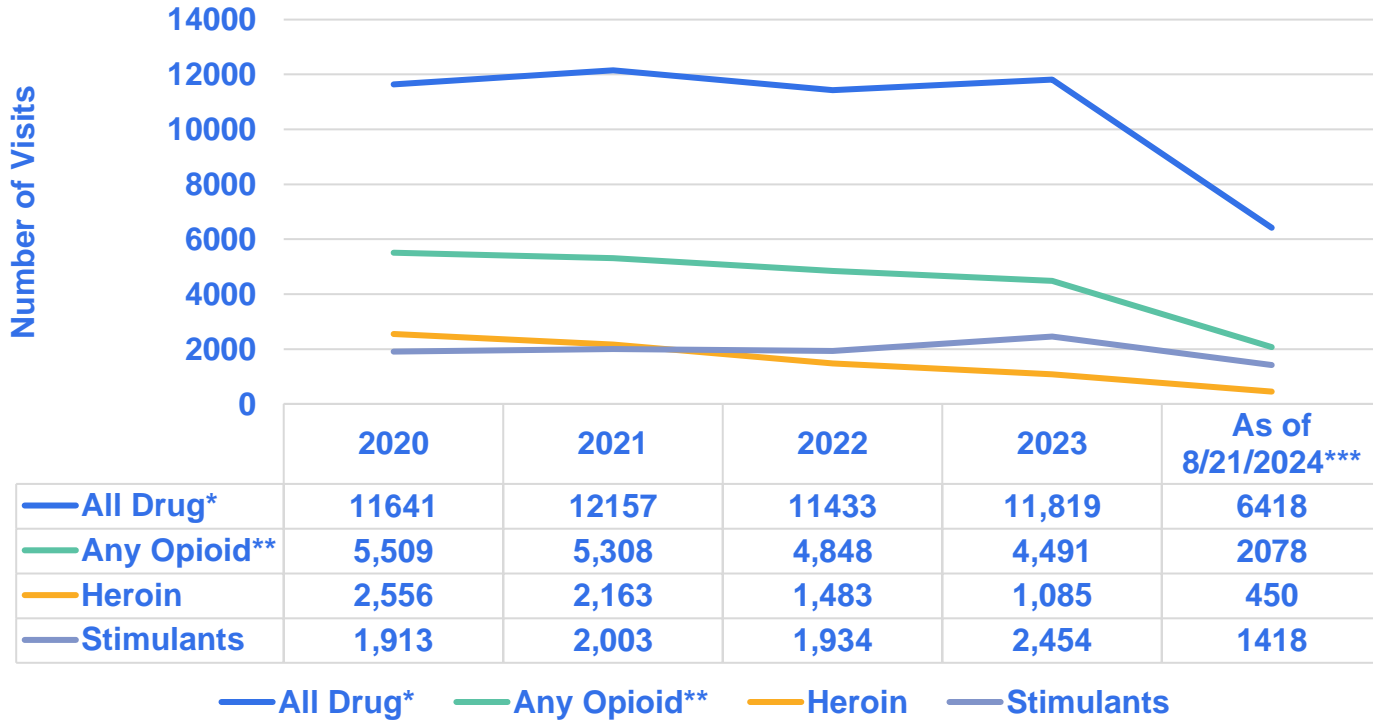
## Participants will learn about:

- Fatal drug overdose data trends.
- Demographic data of drug overdose deaths.
- Primary substances involved in drug overdose deaths and emerging substances.
- Circumstances surrounding fatal drug overdoses and potential opportunities to prevent deaths.
- Public Health Act 24-120 and its impact on nonfatal drug overdose surveillance.

# Drug Use



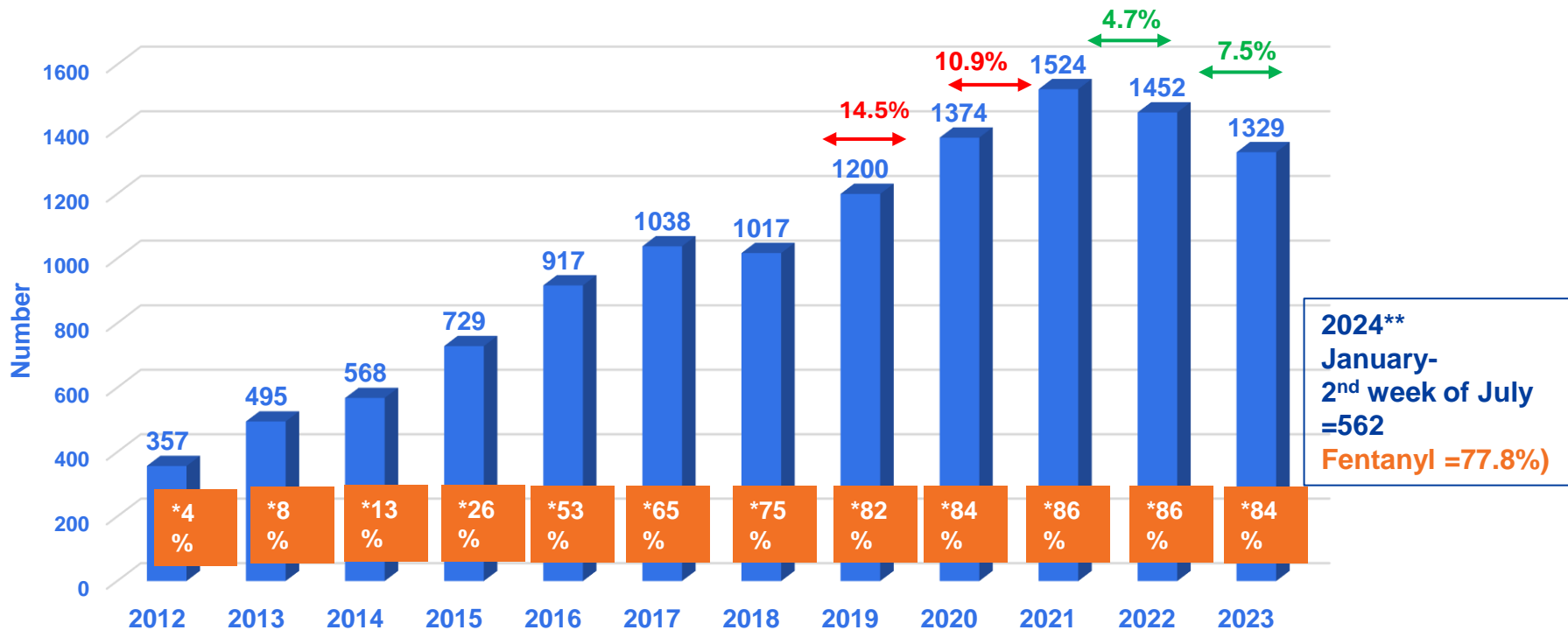
## Suspected Drug Overdoses, Syndromic Surveillance Data, Connecticut, 2020-8/21/2024\*\*\*



\*Suspected drug overdoses may include overdoses with suicidal ideation  
 \*\*Suspected opioid overdoses include prescription and illicit opioids

\*\*\* Data are incomplete and are from 1/1/2024 to 8/21/2024

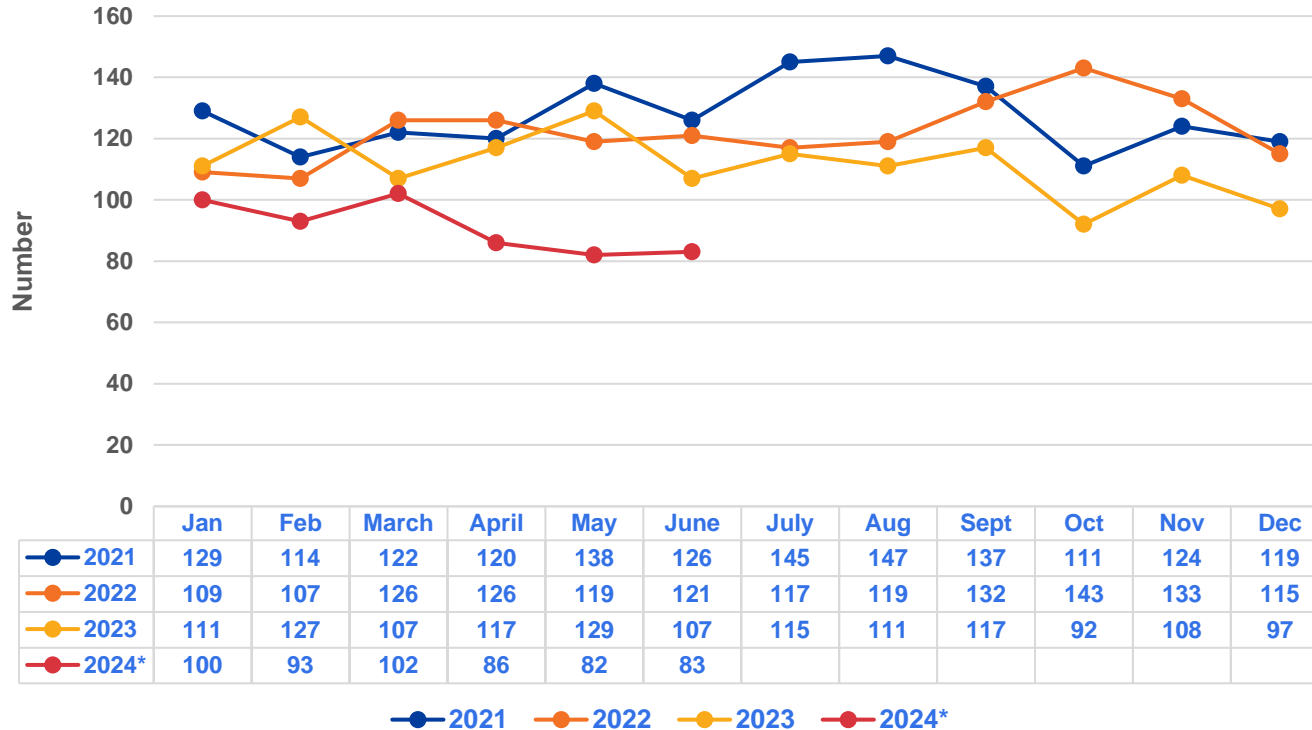
# Unintentional Drug Overdose Deaths, Connecticut, 2012- 2023



\* Fentanyl involved deaths,  
 \*\* Data are subject to change

Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
 State Unintentional Drug Overdose Reporting System (SUDORS)

## Number of Unintentional and Undetermined Intent Drug Overdose Deaths, by Month, Connecticut, 2020 - June 2024\*

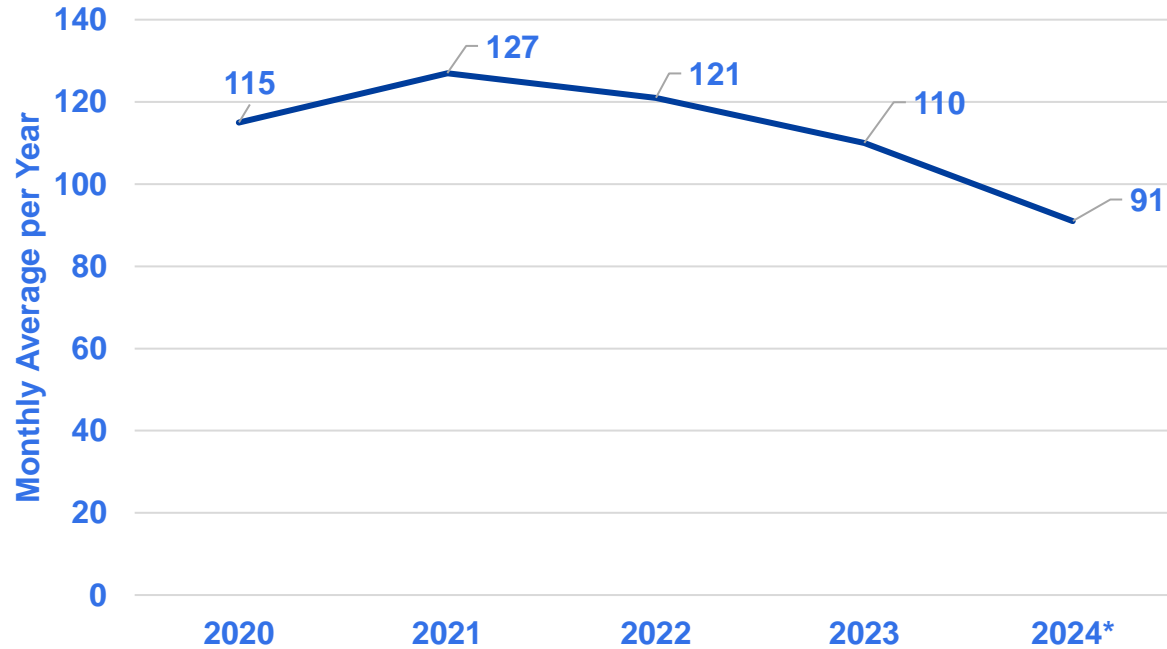


\*Data subject to change

Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)



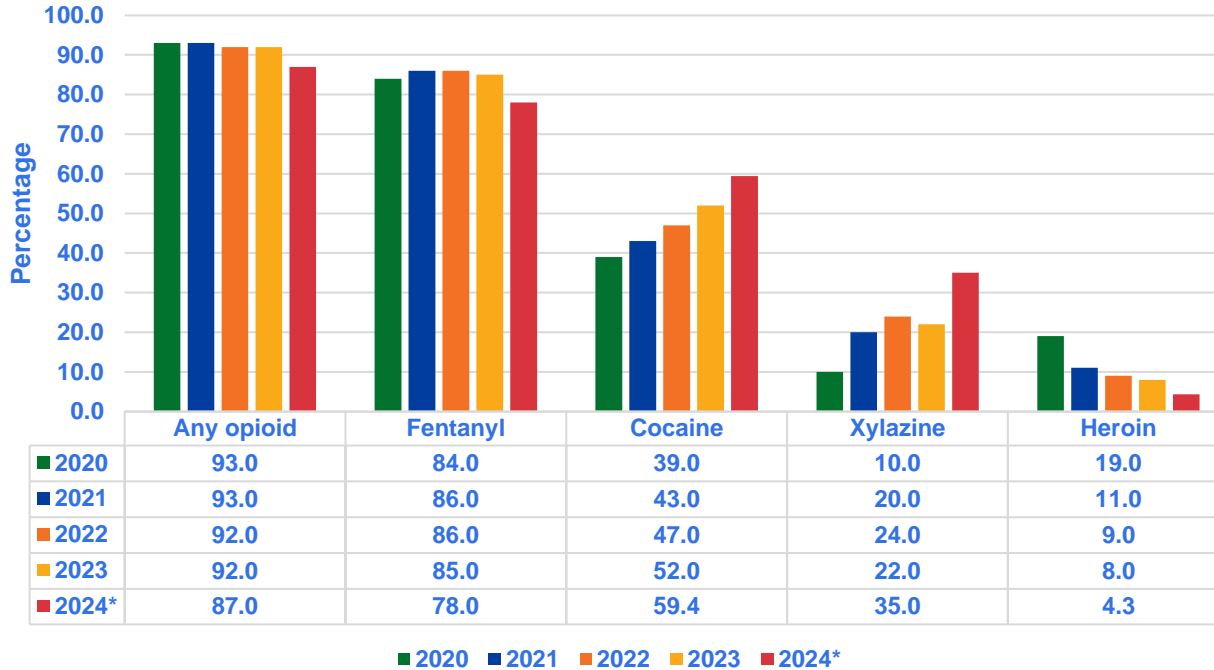
## Monthly Average of Unintentional Drug Overdose Deaths, Connecticut, 2020- June 2024\*



\* Data are subject to change

Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

## Percentages of Primary Substances Involved in Unintentional Drug Overdose Deaths, Connecticut, 2020-2024\*



\* Data are subject to change

**Data sources:** Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

[Complete toxicology tables link:](https://portal.ct.gov/-/media/dph/injury-and-violence-prevention/opioid-overdose-data/toxicology-tables/unintentional-drug-overdose-deaths-involving-different-drugs-connecticut-2012-2023.pdf)

<https://portal.ct.gov/-/media/dph/injury-and-violence-prevention/opioid-overdose-data/toxicology-tables/unintentional-drug-overdose-deaths-involving-different-drugs-connecticut-2012-2023.pdf>

# Emerging substances

## Other Emerging Substances in Fatal Drug Overdoses, Connecticut, 2019- 2024\*

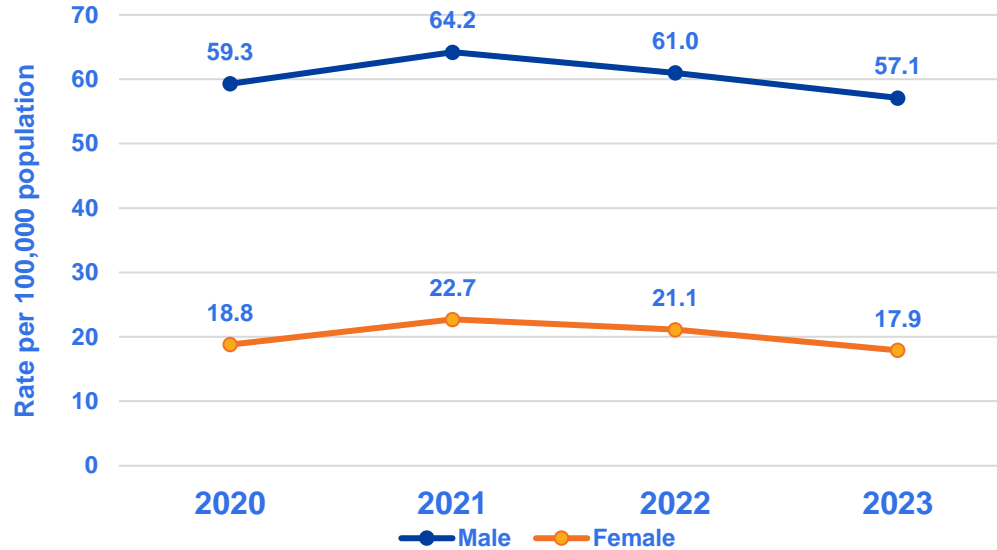
Substance	2019	2020	2021	2022	2023	2024*
Carfentanil	0	2	1	0	7	2
Designer benzodiazepines**	0	3	5	5	31	18
Nitazenes	0	0	2	1	10	5

\*Data are as of the 2<sup>nd</sup> week of July 2024 and are subject to change

\*\*Designer benzodiazepines include bromazolam and flubromazolam

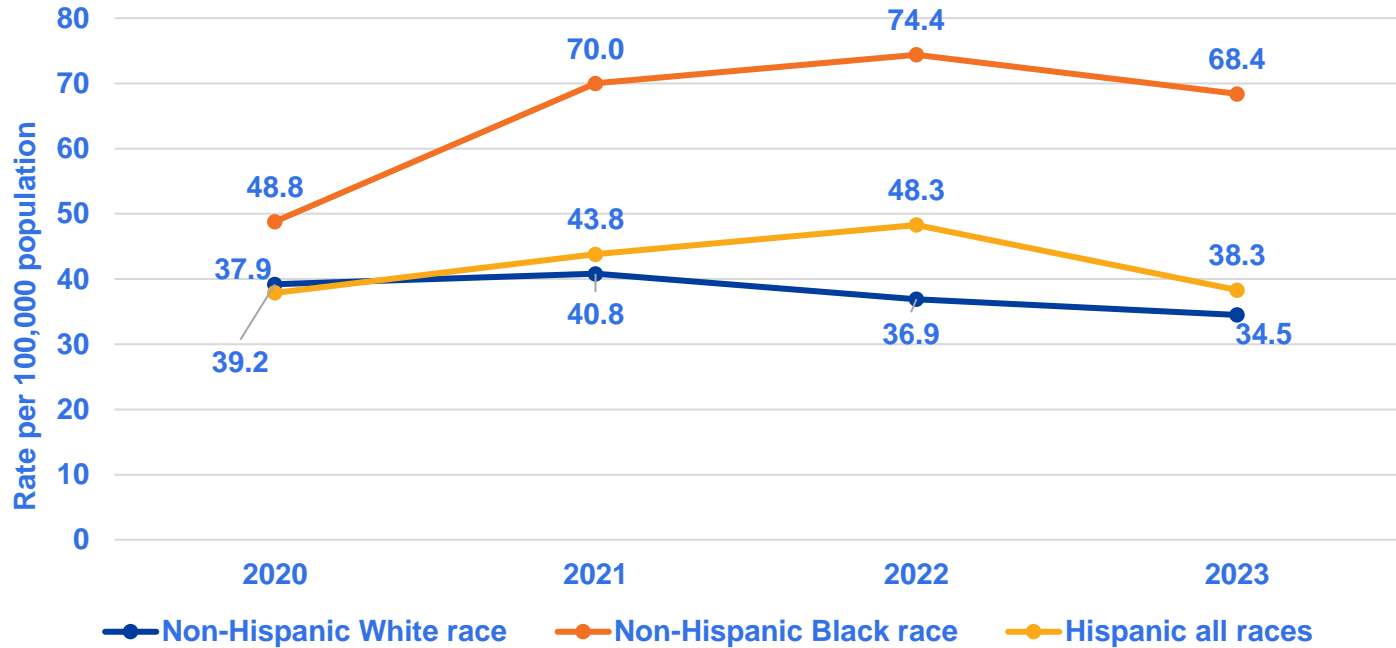
Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

## Rate of Unintentional Drug Overdose Deaths per 100,000 Population, by Sex, Connecticut, 2020-2023



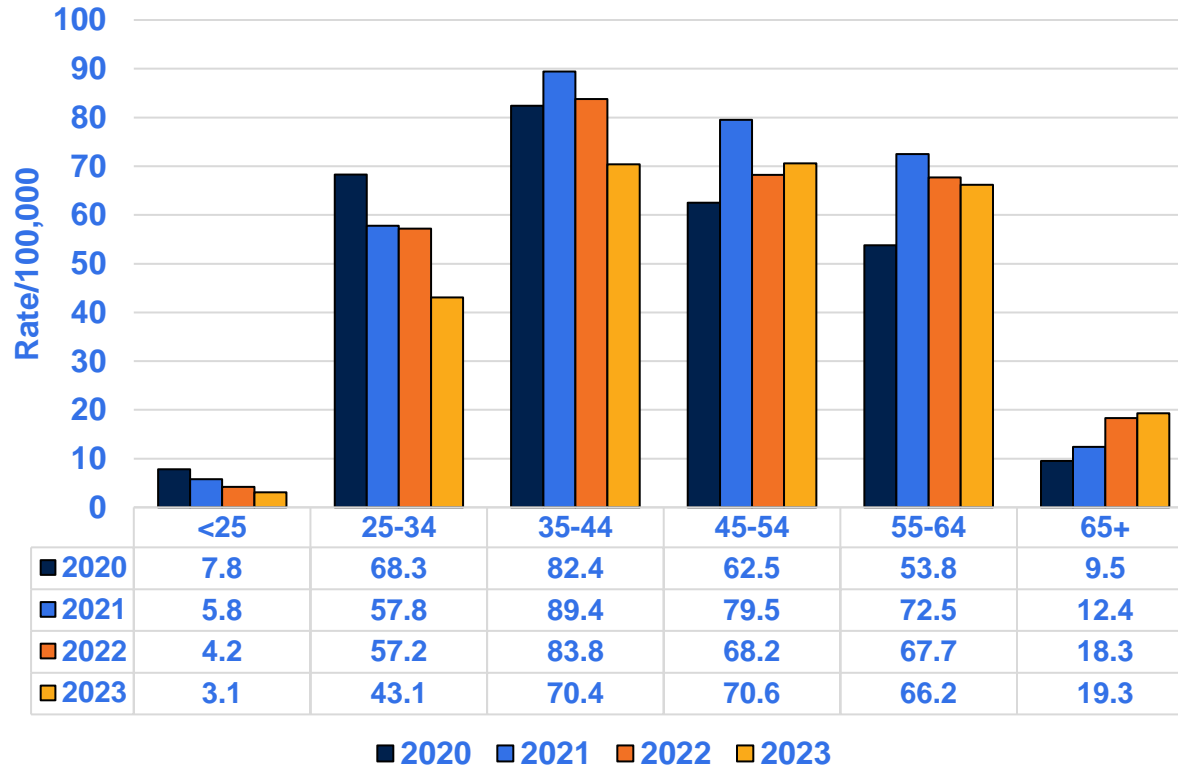
Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

## Rate of Unintentional and Undetermined Drug Overdose Deaths per 100,000 Population, by Race/Ethnicity, Connecticut, 2020–2023



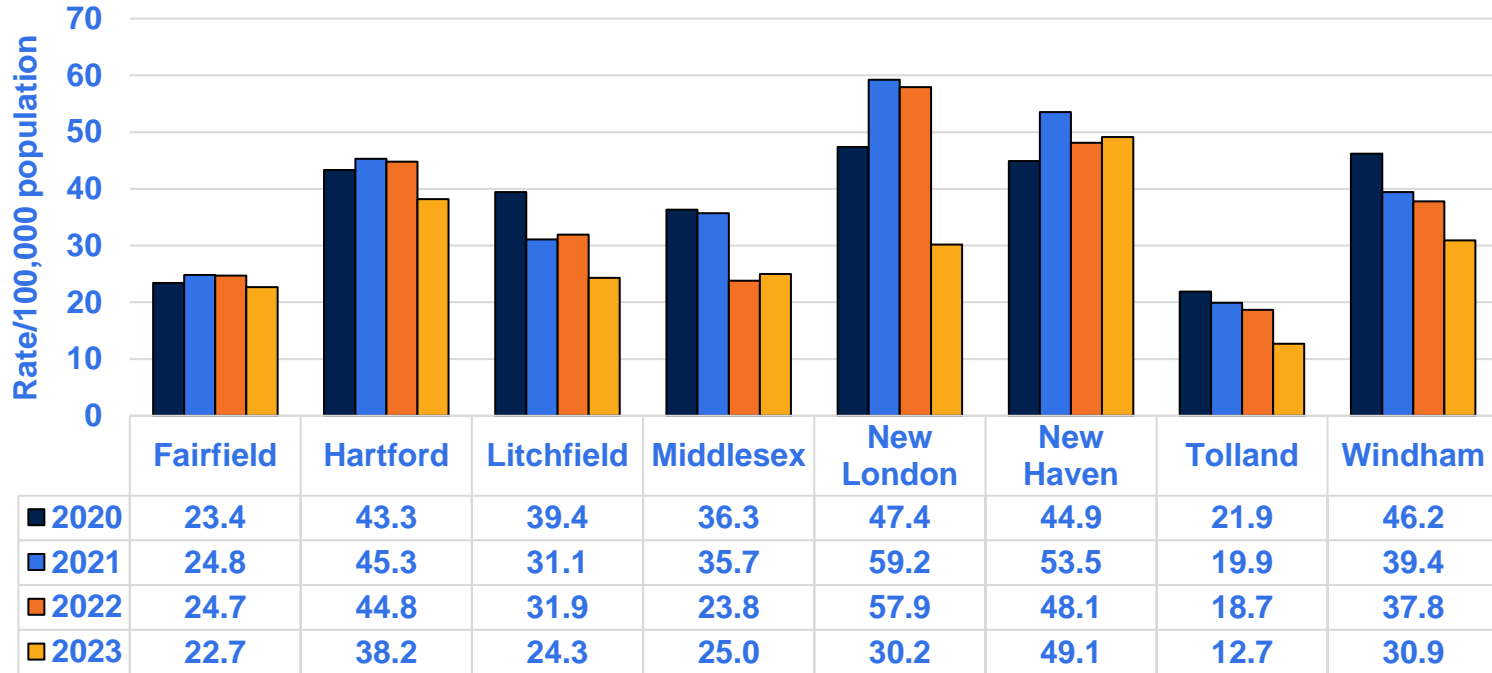
Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

## Rate of Unintentional Drug Overdose Deaths per 100,000 Population, by Age Group, Connecticut, 2020-2023



Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

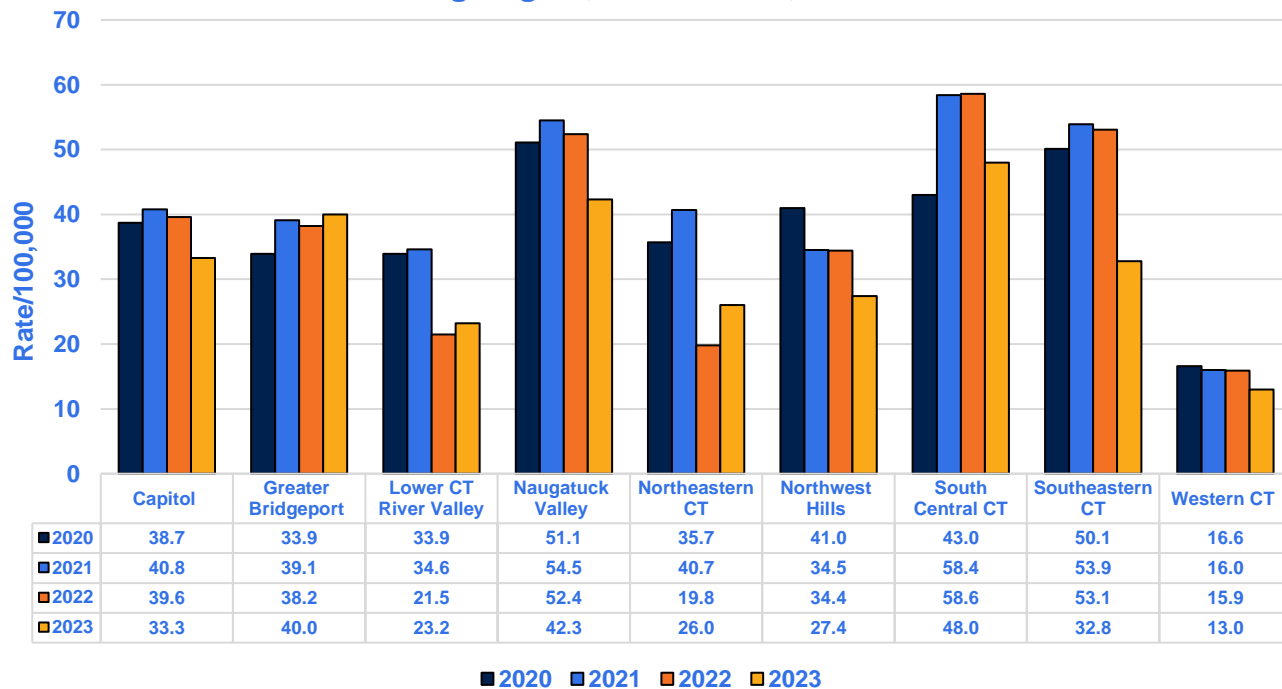
## Rate of Unintentional Drug Overdose Deaths per 100,000 Population, by Injury County, Connecticut, 2020-2023



■ 2020  
 ■ 2021  
 ■ 2022  
 ■ 2023

**Data sources:** Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
 State Unintentional Drug Overdose Reporting System (SUDORS)

## Rate of Unintentional and Undetermined Intent Drug Overdose Deaths per 100,000 Population, by Injury County Equivalent Planning Region, Connecticut, 2020-2023



**Major towns/cities in**

**South Central:**  
 New Haven  
 West haven  
 Meriden

**Naugatuck:**  
 Waterbury  
 Bristol

**Western Connecticut:**  
 Danbury  
 Norwalk  
 Stamford

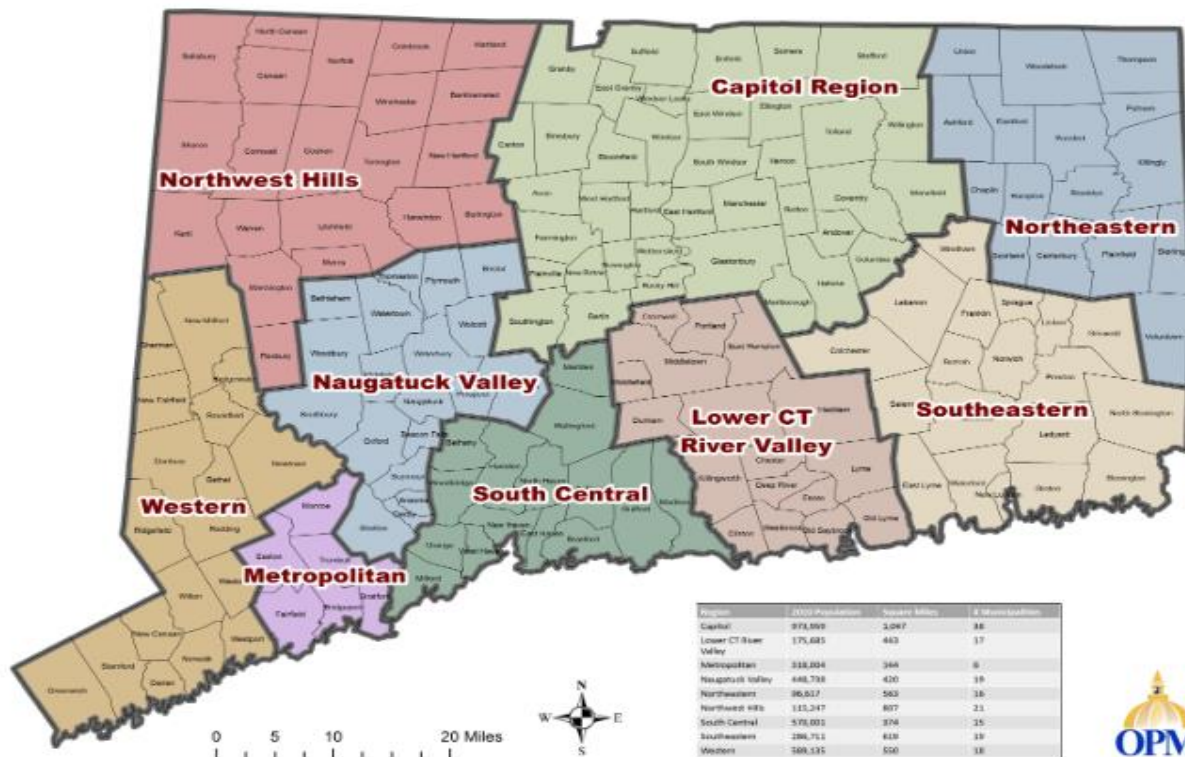
**Lower CT River Valley:**  
 Middletown

CEPR: <https://www.federalregister.gov/documents/2022/06/06/2022-12063/change-to-county-equivalents-in-the-state-of-connecticut>

Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
 State Unintentional Drug Overdose Reporting System (SUDORS)



## Regional Councils of Governments in Connecticut



Regional Councils of Governments in Connecticut: <https://libguides.ctstatelibrary.org/regionalplanning/maps>

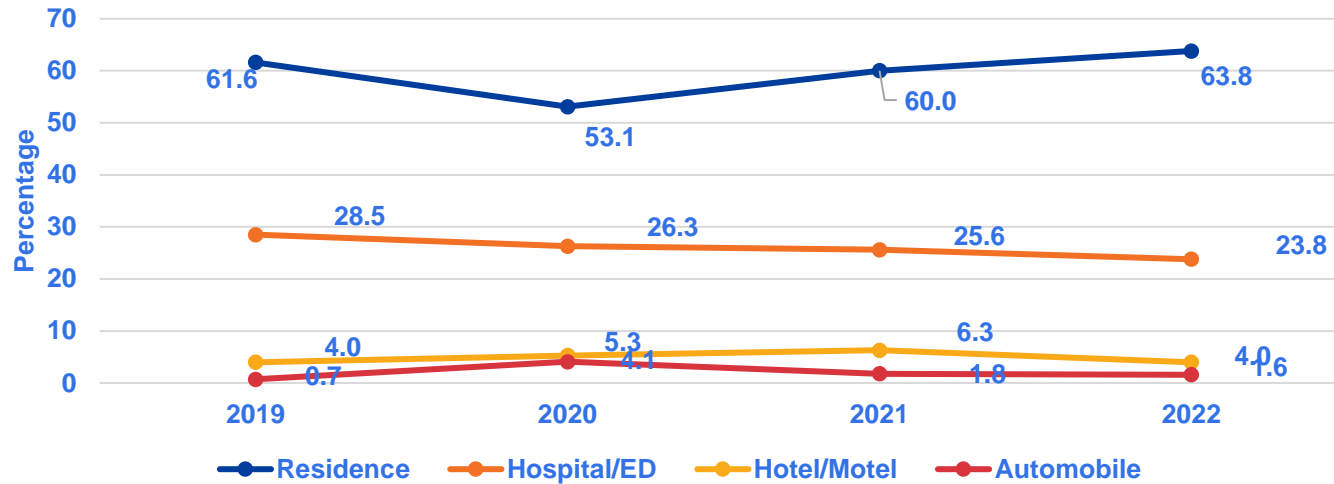
**What are the circumstances surrounding overdose deaths and potential opportunities for intervention to prevent drug overdose deaths?**

# What is SUDORS?

(State Unintentional Drug Overdose Reporting System)

- \* SUDORS collects data on unintentional and undetermined intent drug overdose deaths from death certificates, medical examiner or coroner reports, and postmortem toxicology results.
- \* States and local jurisdictions are better informed by systems like SUDORS, which presents comprehensive information on the characteristics and circumstances surrounding drug overdose deaths to inform prevention and response efforts.

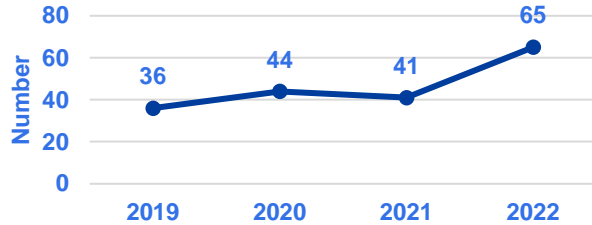
# Percentage of Death Location for Drug Overdose Deaths, Connecticut, 2019-2022



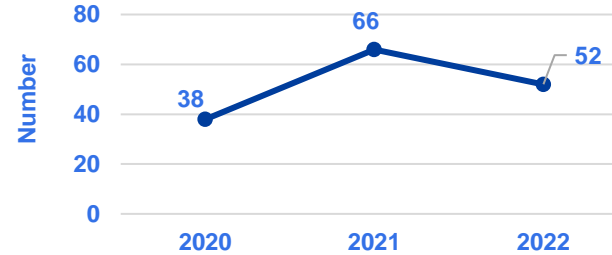
Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

# Homelessness and Housing Instability Among Drug Overdose Decedents.

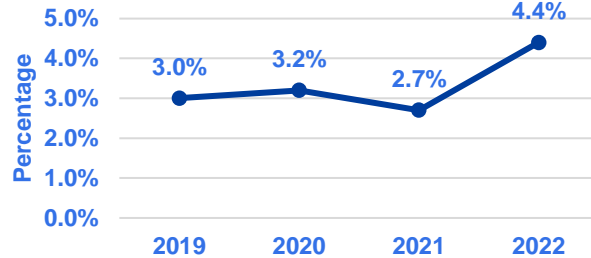
### Number of homeless people who had drug overdose death, Connecticut, 2019-2022



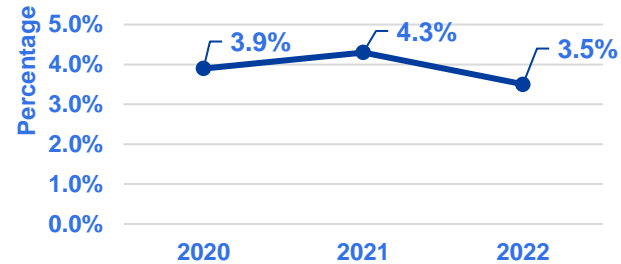
### Number of people with housing instability who had drug overdose death, Connecticut, 2019-2022



### Percentage of drug overdose decedents who were homeless, Connecticut, 2019-2022



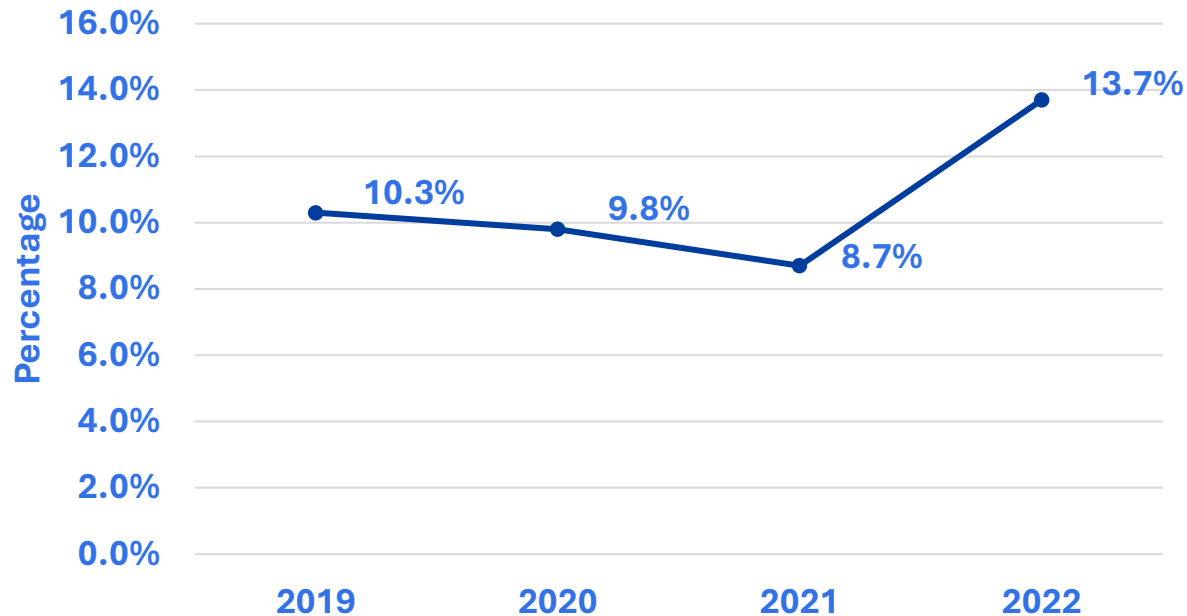
### Number of people with housing instability who had drug overdose death, Connecticut, 2019-2022



Data sources: Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

\*Housing instability data are available from July-December 2020

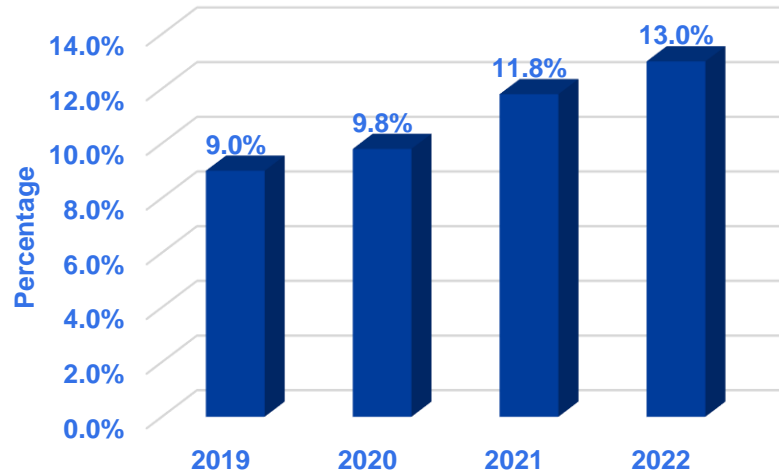
## Percentage of Decedents Recently Released From an Institution\*, Connecticut, 2019-2022



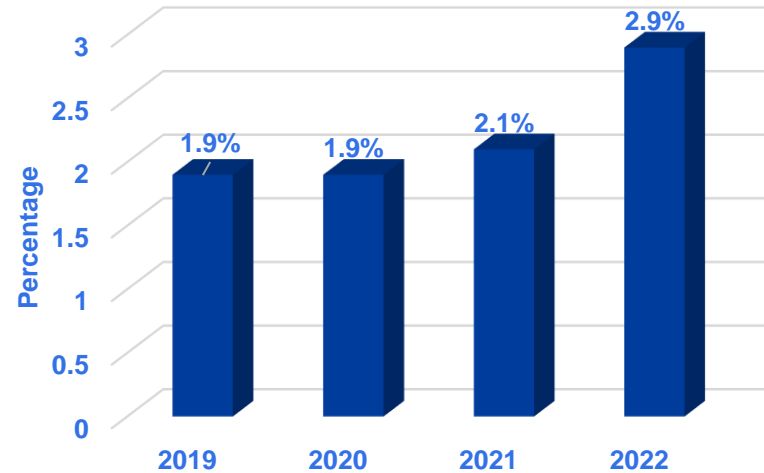
\*Decedents died of an overdose within 30 days after being released from an institution which includes : prison/jail, hospital, psychiatric institute, nursing home, residential treatment facility, halfway/sober/work release homes, supervised facility, other types of psychiatric facilities etc.

**Data sources:** Office of Chief Medical Examiner (OCME)  
<https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

**History of Prior Overdose Among Decedents who had Fatal Overdose, Connecticut, 2019-2022**



**History of Suicide Attempts/ Ideation Among Decedents who had Fatal Overdose, Connecticut, 2019-2022**



**Data sources:** Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)

# Usual Occupation of Drug Overdose Decedents as Reported on Death Certificate, Connecticut, 2019-2022

Year	Total # of Decedents	Percent Disabled	Percent Unknown/NA	Percent Unemployed	Percent Not seeking paid work	Percent Self-employed	Percent Professionals: Business, Management, Science, Arts	Percent Service	Percent Natural Resources, Construction, Maintenance	Percent Sales and Office	Percent Transport, Production, Moving	Percent Armed Forces
2019	1,206	3.6%	14.4%	2.8%	4.9%	4.2%	13.0%	12.3%	28.9%	6.6%	9.0%	ND
2020	1,375	2.5%	12.4%	3.9%	3.9%	4.9%	13.5%	12.7%	27.9%	8.1%	9.5%	ND
2021	1,527	3.8%	11.1%	4.7%	3.3%	5.1%	13.4%	12.4%	29.1%	8.2%	8.4%	ND
2022	1,464	6.4%	7.0%	6.3%	4.3%	2.7%	13.5%	13.9%	28.0%	8.7%	9.2%	ND

**Brief Description:** The current version of International Classification of Occupations (ISCO) known as ISCO-08 was published in 2008. Using the guidelines, different occupations are categorized into 11 industries. The key explains which occupations could fit in which industry. There were several different occupations that were not able to fit into occupational groups that were categorized based on skill specialization and analyst judgment call.

**Data sources:** Office of Chief Medical Examiner (OCME) <https://portal.ct.gov/OCME/Statistics>  
State Unintentional Drug Overdose Reporting System (SUDORS)



## Key to Categorize Occupations: Percent - 4 Year Average 2019-2022 (N=5,572)

Industry		Occupations
Service	<b>(12.8%)</b>	Cook, Bartender, Barber, Certified Nurse Assistance, Security Guard, Maintenance Worker, Housekeeper, Custodian, Cleaning, Bakery, Restaurant, Fast-Food, Hotel, US Postal Service, Casino, Taxi/Uber, Hospitality, Delivery (cab), Beauty/Cosmetology, Home Health Aid
Natural Resources, Construction, Maintenance	<b>(28.5%)</b>	Fishermen, Agriculture, Mechanic, Carpenter, Construction, Demolition, Electrician, Laborer, Plumber, Painting, Tree Services, Landscaping, Tradesman, Fuel, Building, Waste Management, Odd Jobs/Various, Home Improvement, Masonry, Automotive, Heating/Cooling, Water, HVAC, Flooring, Pest Control
Transport, Production, Moving	<b>(9.0%)</b>	Assembler, Model Maker, Trucking, Factory Worker, Driver, Shipping, Packer, Logistics, Manufacturing, Machinery, Warehouse, Industrial, Railroad Service, Airport/Aircraft Corporation
Professionals: Business, Management, Science, Arts	<b>(13.4%)</b>	District Manager, CEO, Owner, Engineer, Artist, Investment Banker, Computer Analyst, Counselor, Teacher, Legal, Doctor, Sportsman, Insurance, Music, Healthcare, Hospital, Rehab Center, Supervisor, Nurse, Environmental, State/Town, Police, Fire Dept, Social Services, Pastor, Insurance, Community Outreach,
Sales and Office	<b>(8.0%)</b>	Administrative Assistant, Cashier, Customer Service, Sales, Retail, Grocery, Bank, Real-Estate, Florist, Property Manager, Commercial, Temp Agency, Communication, Human Resources
Not Seeking Paid Work	<b>(4.1%)</b>	Caretaker, Homemaker, Housewife, Student, Retired, Education, University, College, Nursing Home, Elderly, Daycare, Homeless Shelter, At Home
Unspecified/Unknown/NA	<b>(11.0%)</b>	Unknown, Not Applicable, None, Unobtainable, Unavailable
Unemployed	<b>(4.5%)</b>	Never Worked, Unemployed, Not Working Now, Severance
Disabled	<b>(4.1%)</b>	Disability, Disabled, Special Needs
Self Employed	<b>(4.2%)</b>	Entrepreneurship, Self Employed, Owner, Own Home
Armed Forces	<b>N/A</b>	Army, Navy, Veteran Services, Marine, Airforce , Infantry

# Percentage of drug overdose deaths that had at least one potential opportunity for intervention

2021



75.7%

of drug overdose deaths had at least one potential opportunity for intervention

10.1%  
Current treatment for substance use disorder(s)<sup>19</sup>

10.8%  
Fatal drug use witnessed

34.2%  
Mental health diagnosis

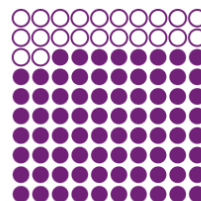
54.6%  
Potential bystander present<sup>20</sup>

11.8%  
Prior overdose

8.7%  
Decedent was recently released from institutional setting<sup>21</sup>

<sup>18</sup>Circumstance percentages are only among decedents with an available medical examiner or coroner report

2022



78.1%

of drug overdose deaths had at least one potential opportunity for intervention

9.8%  
Current treatment for substance use disorder(s)<sup>19</sup>

8.7%  
Fatal drug use witnessed

36.3%  
Mental health diagnosis

53.1%  
Potential bystander present<sup>20</sup>

12.9%  
Prior overdose

13.7%  
Decedent was recently released from institutional setting<sup>21</sup>

<sup>18</sup>Circumstance percentages are only among decedents with an available medical examiner or coroner report

# Biosurveillance

(2019 to Current)

# Toxicology testing in biological specimens (urine) From nonfatal drug overdose patients

Hospital-specimens from  
overdose patients



State Public Health  
Lab for testing



Testing using Mass  
Spectrometer



Toxicology Results



DPH



Hospital

Toxicology results are linked to Hospital records

# Importance of Biosurveillance Project

- The results will be used for surveillance purpose only.
- Drugs that are causing the overdoses can inform communities.
- Quick turnaround of toxicology results so that the health care staff can correlate the clinical symptoms to drugs identified.
- To assess the geographic distribution of different categories of illicit drugs within the state.

## Public Health Act No. 24-120

- From January 1, 2025 until August 31, 2028, any licensed hospital that treats a patient for a nonfatal drug overdose of an opioid drug shall administer, with the patient's consent, a toxicology screening of the patient, if medically appropriate.
- Such screening shall include, but need not be limited to, screening for opiates, opioids, benzodiazepines, cannabinoids, methadone, cocaine, gabapentin, xylazine and any other substances.
- Any hospital that administers a toxicology screening shall report the screening results to the Department of Public Health.

**Public Health Act No. 24-120 will increase the number of hospitals submitting samples.**

# Preventing Drug Overdoses

# How To Prevent Drug Overdoses?

- Create awareness in communities by providing education on the dangerous consequences of using illicit opioids and harm reduction choices.
- Learn about naloxone, the lifesaving drug that reverses opioid overdoses. Visit: [www.norasaves.com](http://www.norasaves.com)
- Share options for safe disposal of unused medications and the sites of local drug collection boxes.
- Maximize use of prescription monitoring programs that monitor the prescriptions written for patients and dispensed by the pharmacies.
- Enhance and promote Medication for Opioid Use Disorder (MOUD) programs.
- For further information visit: [www.drugfreect.org](http://www.drugfreect.org) and [www.ct.gov/dph/injuryprevention](http://www.ct.gov/dph/injuryprevention)



**Thank you!**

**[Shobha.thangada@ct.gov](mailto:Shobha.thangada@ct.gov)**

**Part B**  
**MEETING PEOPLE WHERE THEY ARE!**

**Kevin Shuler**  
Connecticut Community for Addiction Recovery (CCAR)

Part C

**COMMUNITY DRUG CHECKING:  
A Harm Reduction Approach to Mitigate Overdose Risk**

**Heather Clinton**  
Epidemiologist 2  
Injury and Violence Surveillance Unit  
Community, Family Health and Prevention Branch  
Connecticut Public Health

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# LEARNING OBJECTIVES

❖ By the end of this session, participants will....

❖ Learn what drug checking programs are, and

❖ Learn how testing street drugs may help reduce the risk of overdose



# BACKGROUND

- ❖ Opioids, especially fentanyl, are a major driver of overdoses in CT
- ❖ Contamination of street drugs with adulterants or stronger-than-expected substances contributes to both fatal and nonfatal overdoses



*Case Study*

**Using Surveillance With Near-Real-Time Alerts During a Cluster of Overdoses From Fentanyl-Contaminated Crack Cocaine, Connecticut, June 2019**



- ❖ Identifying the contents of street drugs can help persons who use drugs mitigate their risk for overdose
- ❖ Established partnerships with two harm reduction organizations to conduct testing on street drugs in the community
  - ❖ Connecticut Harm Reduction Alliance (CTHRA)
  - ❖ Alliance for Living (AFL)



# METHODOLOGY

## INITIAL SETUP AND SUPPORT

- ❖ Provided CDC Overdose Data to Action grant funds to CTHRA and AFL to purchase a portable Bruker spectrometer
  - ❖ Fourier-transform infrared (FT-IR) spectroscopy
- ❖ Provided funds to support a partial FTE to conduct the drug testing and track information
- ❖ Harm reduction staff were trained on the use of the Bruker spectrometer to test drugs samples and interpret results



# DRUG TESTING

- ❖ Clients of the two harm reduction agencies voluntarily submit drug samples for testing
- ❖ Harm reduction staff test the drug samples with the Bruker spectrometer and analyze and record the results
- ❖ Any remaining portions of the drug samples are sent to the State Public Health Lab for confirmatory testing



# DATA COLLECTION

❖ In addition to drug testing results, the following data are collected on each drug sample:

- ❖ Date of drug purchase
- ❖ Location where drugs were purchased
- ❖ Date of drug sample testing
- ❖ Drug sample form (e.g., powder, rock, pill)
- ❖ Drug sample color
- ❖ Bag color
- ❖ Bag stamp
- ❖ Presumed substance at time of purchase
- ❖ Route of administration, if used
- ❖ Adverse effects or experience, if used



## DATA DISSEMINATION

- ❖ Substance results are shared back to clients to advise them of the contents of their drugs
- ❖ Full results and data are shared periodically with DPH for data surveillance and analysis
- ❖ Working to increase data sharing across all drug checking programs in Connecticut
  - ❖ Additional non-DPH funded locations in New Haven, Bridgeport and Litchfield



# DATA RESULTS

# DRUG TESTING RESULTS

- ❖ **Over half** of samples contained **fentanyl/fentanyl analog** and **increased from 52% to 65%** between 2023 and 2024
- ❖ **Xylazine** positivity **increased from 30% to 42%**
- ❖ In 2024, **5 samples** were positive for **designer benzodiazepines** (bromazolam - 4; etizolam - 1) and **2 samples** were positive for **nitazenes** (isotonitazene)

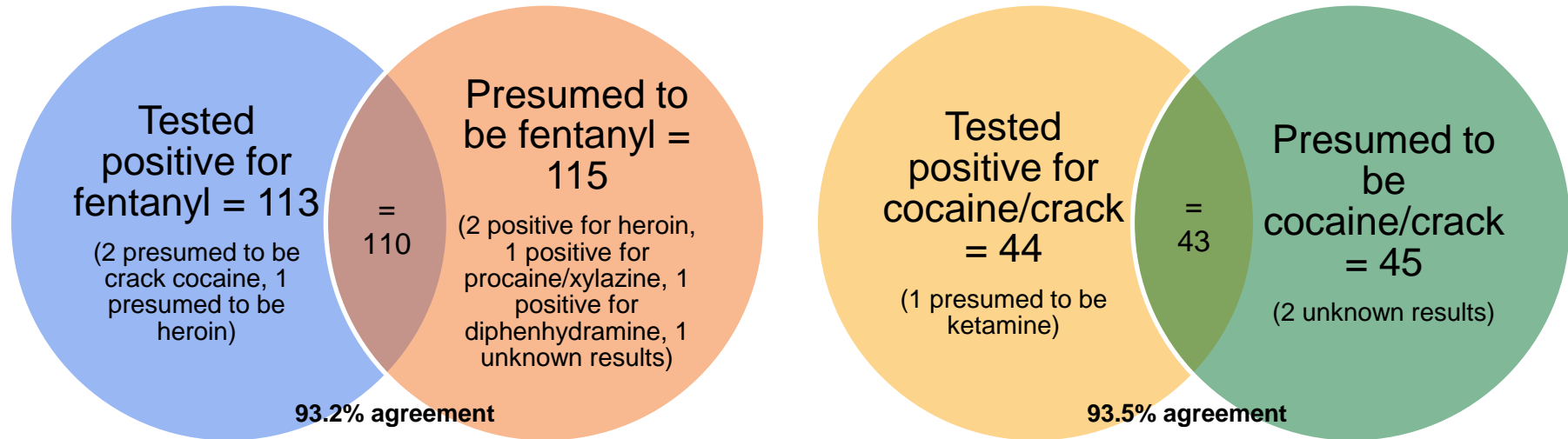
Substance	2023		2024 (as of 8/5/24)	
	Number	%	Number	%
<b>Total</b>	<b>83</b>	<b>100%</b>	<b>107</b>	<b>100%</b>
Fentanyl/fentanyl analog	43	51.8%	70	65.4%
Cocaine/crack	20	24.1%	24	22.4%
Xylazine	25	30.1%	45	42.1%
Benzodiazepines	1*	suppressed	9**	suppressed
Nitazenes	0	suppressed	2***	suppressed
Heroin	2	suppressed	8	suppressed

\*aprazolam; \*\* 4 bromazolam, 1 etizolam, 1 alprazolam, 1 clonazepam, 1 diazepam and 1 lorazepam; \*\*\* isotonitazene



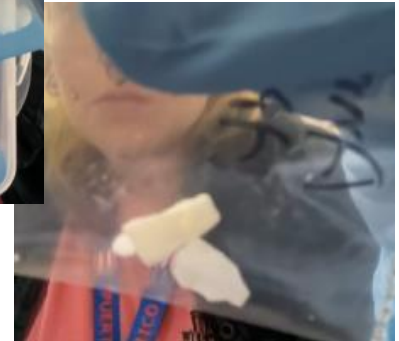
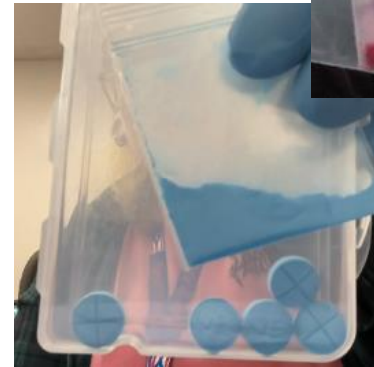
## DRUG SAMPLE RESULTS, 2023-2024

- ❖ 190 total samples analyzed between 2023 and August 8, 2024
- ❖ Of **115** drug samples **presumed to be fentanyl** upon purchase, **110 (95.7%) tested positive for fentanyl/fentanyl analog**
- ❖ Of **45** drug samples **presumed to be cocaine/crack** upon purchase, **43 (95.6%) tested positive for cocaine/crack**, but two of the samples also contained fentanyl



## DRUG SAMPLE RESULTS, 2023-2024 CONT.

- ❖ Of 190 total samples analyzed:
  - ❖ **131 (68.9%)** were in **powder form**
    - ❖ Other forms included rock, crystal and pills
  - ❖ Of the 131 powders, **most (n=85; 64.5%)** were **white or off-white** in color
    - ❖ 30 were purple, 8 were blue, 7 were tan, 1 was yellow
  - ❖ **172 (90.5%)** were contained in **wax or plastic baggies** with various colors and stamps (e.g., “Papa Smurf”, “Sour Diesel”, “Poison”, “Game of Death”)



## DRUG SAMPLE RESULTS, 2023-2024 CONT.

- ❖ Of 190 total samples analyzed, 94 (49.5%) were used prior to testing
  - ❖ **Injected: 60 (63.8%)**
  - ❖ Smoked: 17 (18.1%)
  - ❖ Snorted: 11 (11.7%)
  - ❖ Ingested orally: 5
  - ❖ Unspecified: 1
- ❖ Of 94 drug samples used prior to testing:
  - ❖ At least **31 (33.0%) caused adverse or abnormal reactions** to the user
  - ❖ Reactions included dizziness, weakness, heavy sedation and overdose
  - ❖ One sample caused **an overdose** and an **outreach team responded**
  - ❖ One sample caused **multiple overdoses** with **at least one fatality**
  - ❖ One sample caused **8 total overdoses** with **two fatalities**

# CONFIRMATORY TESTING

# CONFIRMATORY TESTING

- ❖ After drug samples are tested with the Bruker spectrometer, remaining portions are delivered to the State Public Health Lab for confirmatory testing
- ❖ Samples are tested using gas chromatography-mass spectrometry (GC-MS)
- ❖ Validate and verify the results of the Bruker spectrometer



# CONFIRMATORY TESTING RESULTS

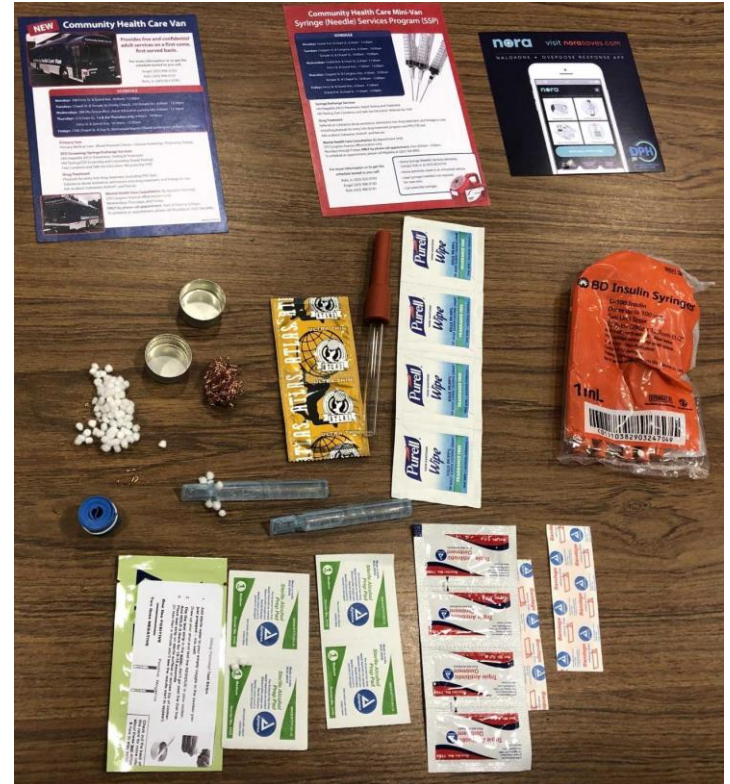
- ❖ **Confirmatory testing** has been conducted on **108 drug samples** from CTHRA
- ❖ **Most (61.1%)** of samples tested positive for **fentanyl**, in line with Bruker results
- ❖ **Over half (53.7%)** of samples tested positive for **cocaine**, 2.2 to 2.4 times the percentage found with the Bruker spectrometer
- ❖ Both **xylazine and heroin** were **detected more frequently by GC-MS** than with the Bruker
- ❖ GC-MS is more sensitive than FT-IR for detecting certain drugs. Both methods have similar sensitivity for fentanyl, but GC-MS is much more sensitive in detecting cocaine

Substance	Number	%
<b>Total</b>	<b>108</b>	<b>100%</b>
Fentanyl/fentanyl analog	66	61.1%
Cocaine	58	53.7%
Xylazine	56	51.9%
Heroin	18	16.7%

# INTENDED OUTCOMES

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- ❖ Provide harm reduction clients with knowledge of the specific substances their drugs contain
- ❖ Allow harm reduction clients the opportunity to make better-informed or safer decisions about their drug use to reduce harms





## INTENDED OUTCOMES – CONT.

- ❖ Allow DPH to track illicit drug trends and respond to emerging dangerous substances in the drug supply in a timelier manner
- ❖ Fill gap between forensic testing of drug seizures, clinical toxicology testing following nonfatal overdoses, and postmortem toxicology testing of fatal overdoses



### XYLAZINE DRUG WARNING

**XYLAZINE** is similar to clonidine, but is not used in humans. It is used commonly in *veterinary medicine* to sedate and provide pain control for animals.

Xylazine has been found mixed into Fentanyl, a powerful opioid commonly found in street drugs.	Between January and Mid-March 2021, there were <i>37 deaths</i> involving a fentanyl+ xylazine combination in CT.
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**The dangerous combination of xylazine in fentanyl continues to increase.**

**EFFECTS:** **The more you use, the stronger the effects will be.**

- Pain Control
- Sleepiness/Sedation
- Low/decreased body temperature
- Low heart rate and low blood pressure
- Decreased breathing

**REMEMBER:** **Xylazine cannot be tested for and appears the same as fentanyl!**

When to suspect Xylazine:

- Drug effects feel longer
- Low heart rate or dizziness
- Not responding to naloxone



# QUESTIONS

**Thank you!**

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