



DISTRICT OF COLUMBIA
DFS
DEPARTMENT OF
FORENSIC SCIENCES

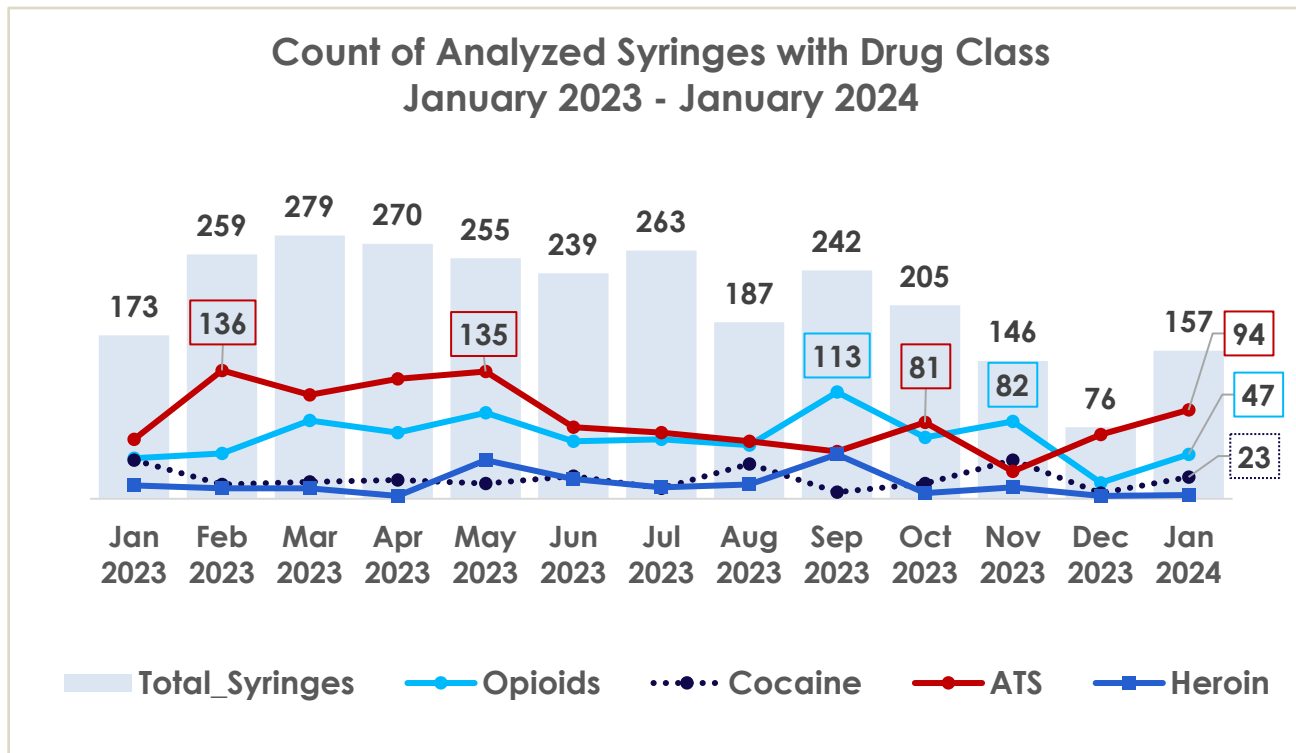
Forensic Science Laboratory | Public Health Laboratory | Crime Scene Sciences

DFS Public Health Laboratory (PHL)

***Needle Exchange Intelligence Services (NEXIS)
Annual Summary Report***

January 2024

Count of Analyzed Syringes (Jan 2023 – Jan 2024)



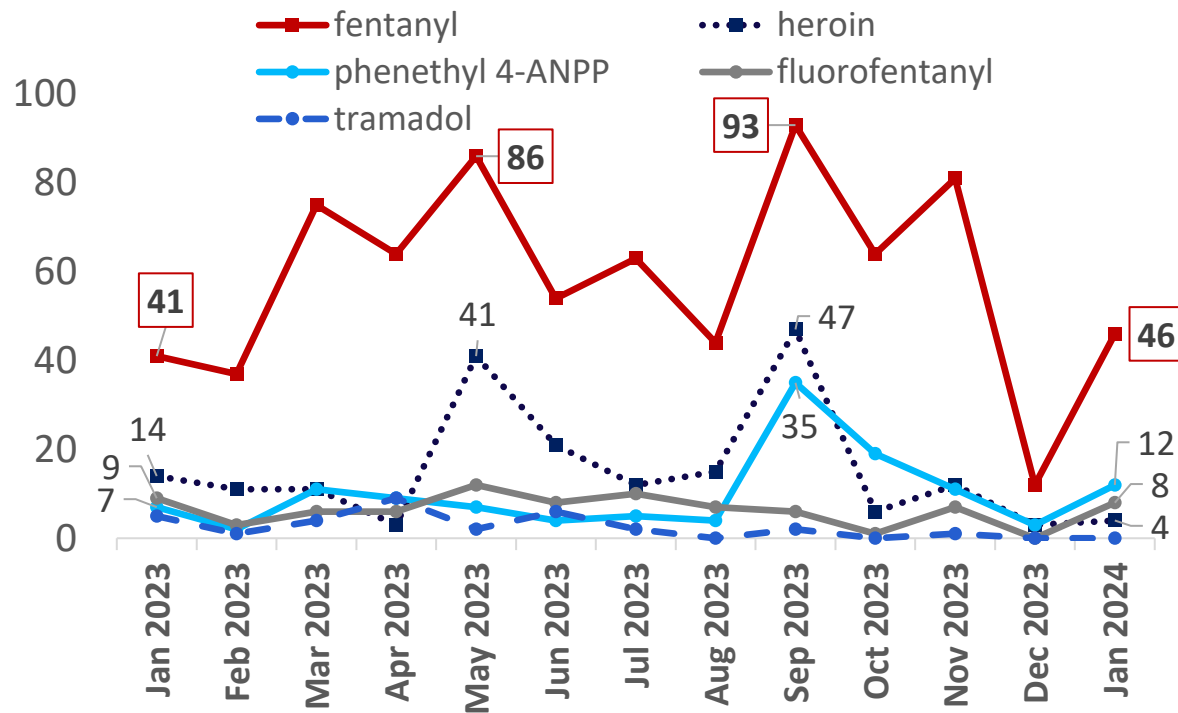
Summary

- 2,751 syringes were analyzed between January 2023 to January 2024.
- The top five CDS detected over the past 13-month period were:
 - methamphetamine (28%)
 - fentanyl (28%)
 - cocaine (10%)
 - heroin (7%)
 - phenethyl 4-ANPP (5%)

Line Graph of Drug Class Trends. Lines represent the number of syringes that contain a given substance or combination of given substances over the past 13-month period. Bars represent the total number of syringes analyzed by month.

Top 5 Detected Opioids (Jan 2023 – Jan 2024)

Top 5 Detected Opioids
February 2023 - February 2024



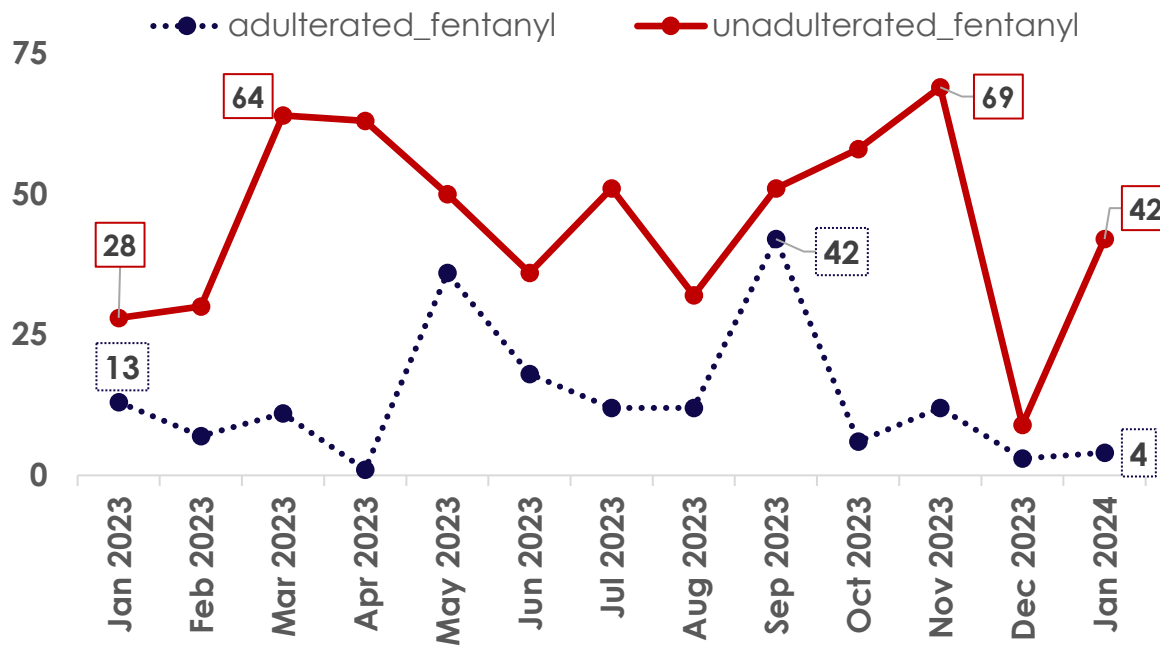
Summary

- The most common synthetic opioids were:
 - fentanyl (760 syringes)
 - heroin (200 syringes)
 - phenethyl 4-ANPP (129 syringes)
- Papaverine (30 syringes) was the most common non-synthetic opioid, followed by morphine (19 syringes) and codeine (4 syringes)

Scatter Plot of Top Opioids. Each line represents the number of syringes analyzed in each of the top 5 detected opioids over the past 13-month period.

Composition of Fentanyl Syringes (Jan 2023 – Jan 2024)

Adulterated vs Unadulterated Fentanyl Syringes
February 2023 - February 2024

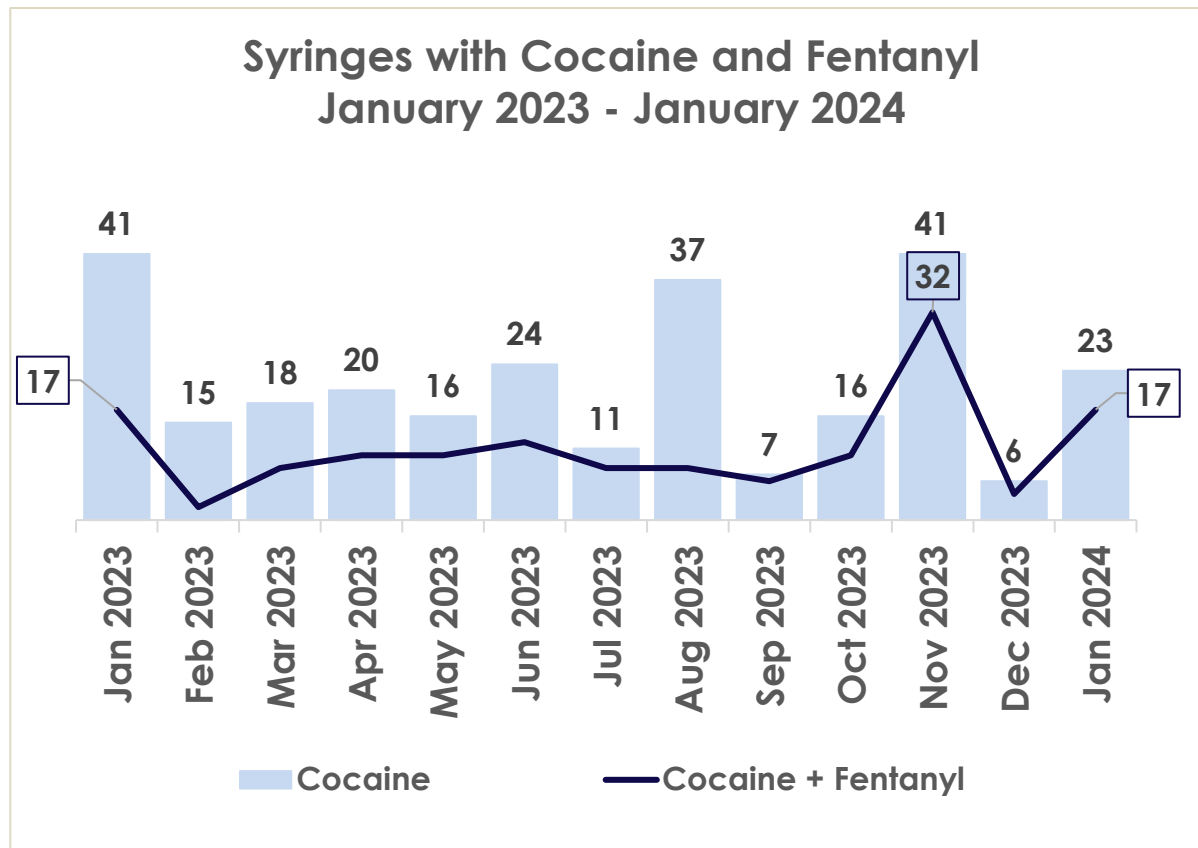


Scatter Plot of Adulterated vs. Unadulterated Fentanyl. Lines represent the number of syringes with adulterated (blue) vs unadulterated (red) fentanyl over the past 13-month period.

Summary

- From January 2023 to 2024, there were 3.8 as many syringes with fentanyl than heroin, the second most common opioid.
- Fentanyl is frequently found in syringes containing:
 - cocaine (52% of cocaine syringes)
 - heroin (88% of heroin syringes)
 - xylazine (72% of xylazine syringes)

Composition of Cocaine Syringes (Jan 2023 – Jan 2024)

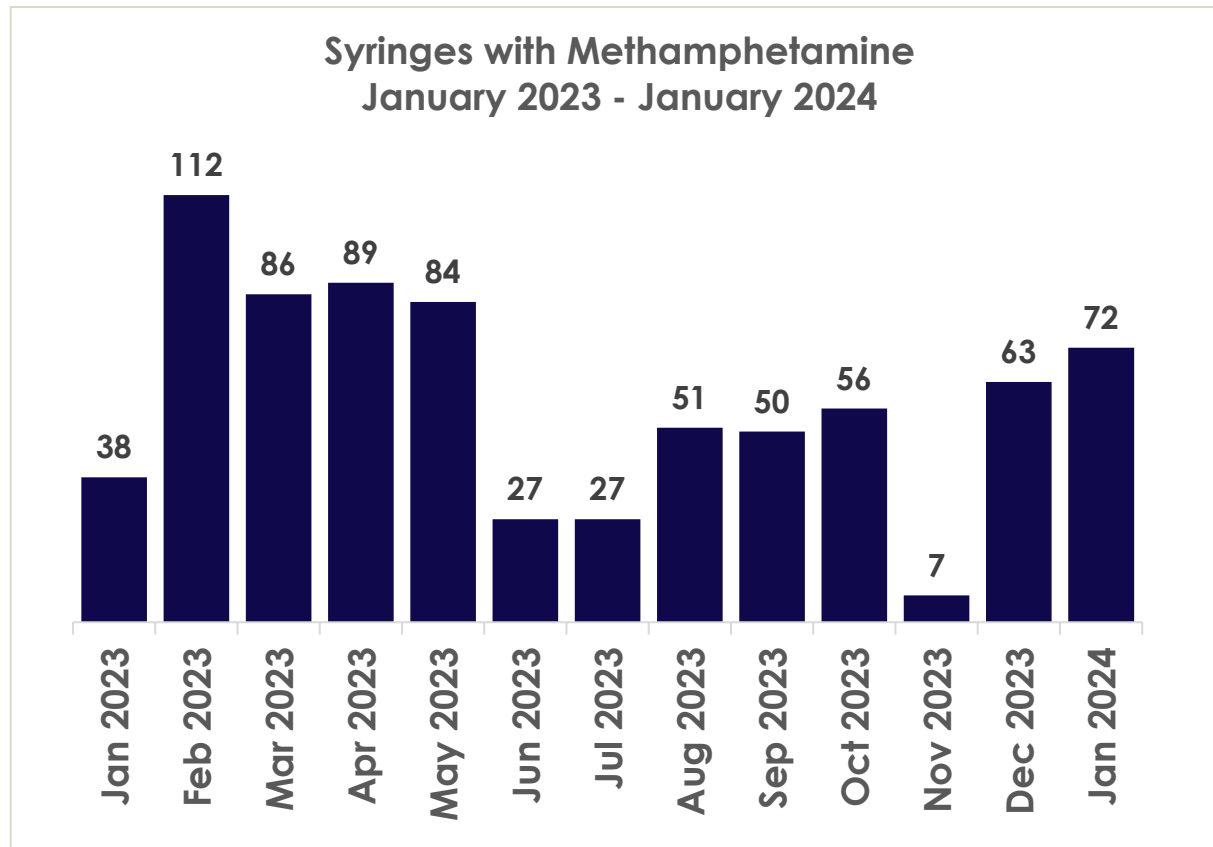


Combination Line and Bar Chart of Syringes with Cocaine and Fentanyl. Bars represent the total number of syringes analyzed with cocaine. The line represent the number of syringes with cocaine and fentanyl analyzed over the past 13-month period.

Summary

- From January 2023 to 2024, 10% syringes analyzed by FSL had cocaine.
- Methamphetamine was the most common controlled stimulant detected with cocaine (8% of cocaine syringes).

Composition of ATS Syringes (Jan 2023 – Jan 2024)

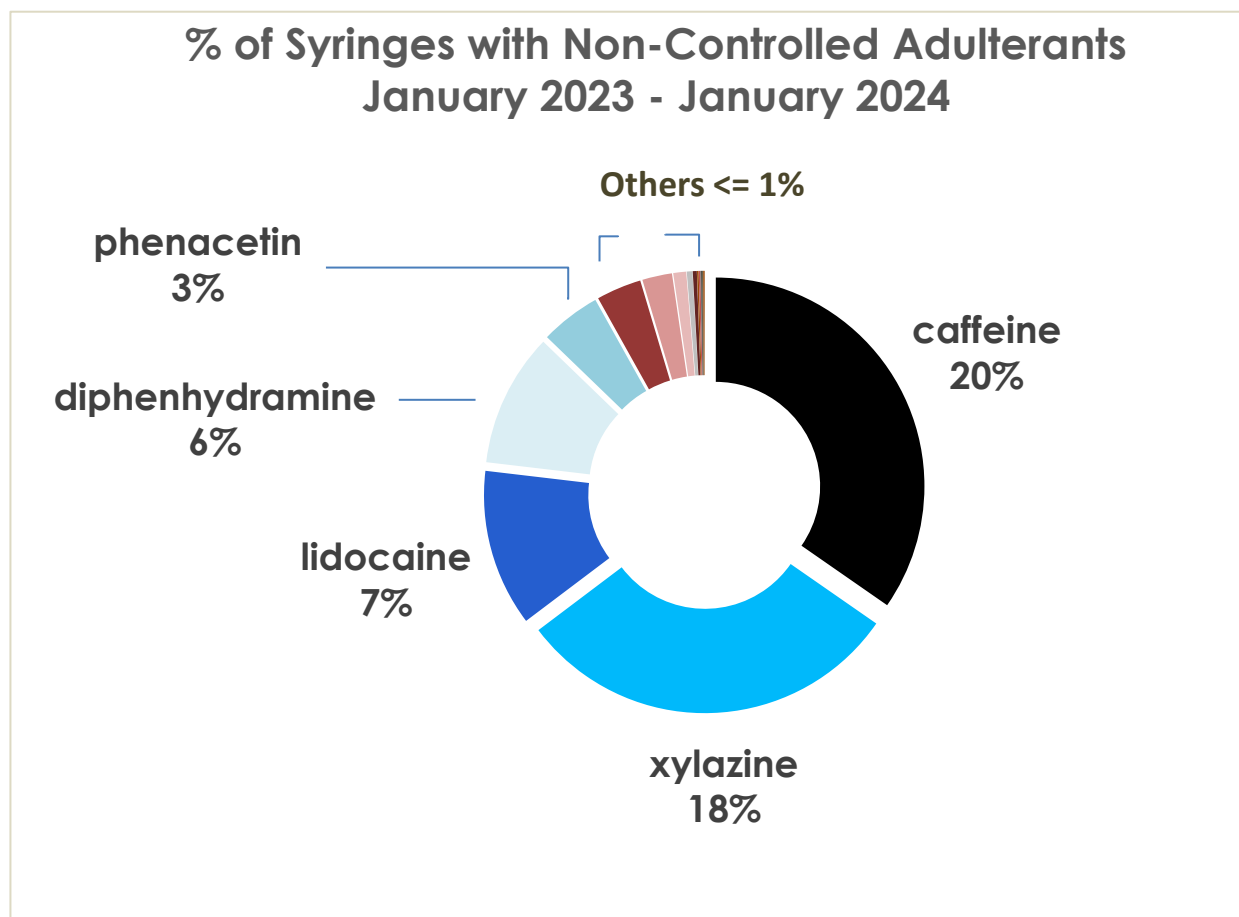


Bar Chart of Syringes with Methamphetamine. Bars represent the total number of syringes analyzed with methamphetamine over the past 13-month period.

Summary

- From January 2023 to 2024, 40% of CDS syringes analyzed by FSL had an amphetamine-type stimulant (ATS).
- The most common ATS detected were:
 - Methamphetamine (762 syringes)
 - dipentylone (352 syringes)
 - n-formylmethamphetamine (170 syringes)

Composition of Adulterants in Syringes (Jan 2023 – Jan 2024)



Pie Chart of Syringes with Non-Controlled Adulterants. The pie chart represents the percentage of the most common adulterants in all syringes analyzed over the past 13-month period.

Summary

- Among the major drug classes, substances detected with the highest rate of adulterants were:
 - dipentylone within ATS (26% of syringes),
 - fluorofentanyl within opioids (82% of syringes)
 - cocaine (44% of syringes).
- Fentanyl was the most prevalent opioid found with xylazine (347 syringes) over the past 13-month period.