



DISTRICT OF COLUMBIA
DFS
DEPARTMENT OF
FORENSIC SCIENCES

Forensic Science Laboratory | Public Health Laboratory | Crime Scene Sciences

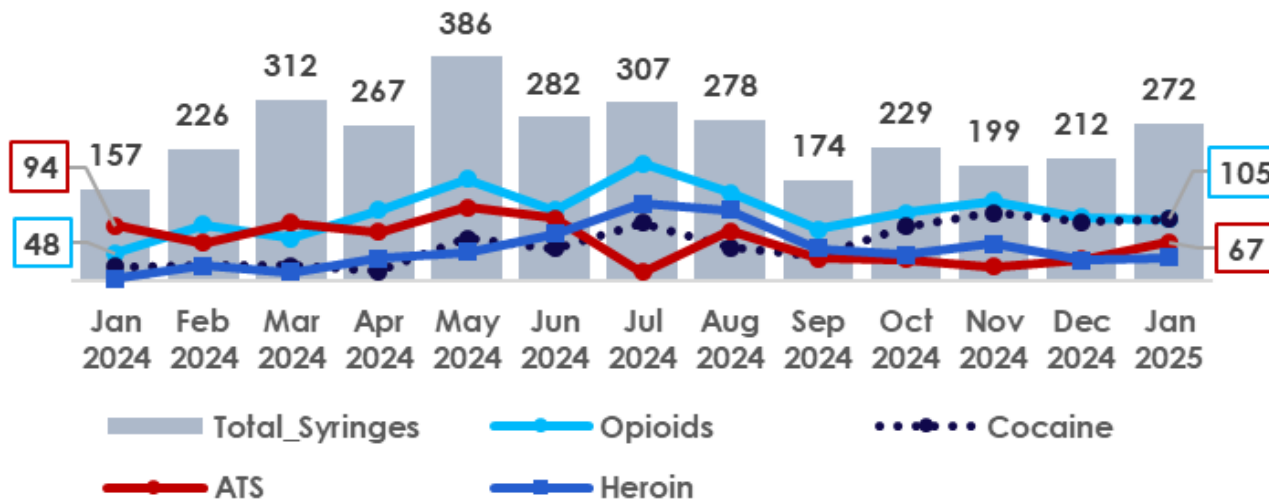
DFS Public Health Laboratory (PHL)

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

January 2025

Count of Analyzed Syringes (Jan 2024 – Jan 2025)

Count of Analyzed Syringes by Drug Class
January 2024 - January 2025

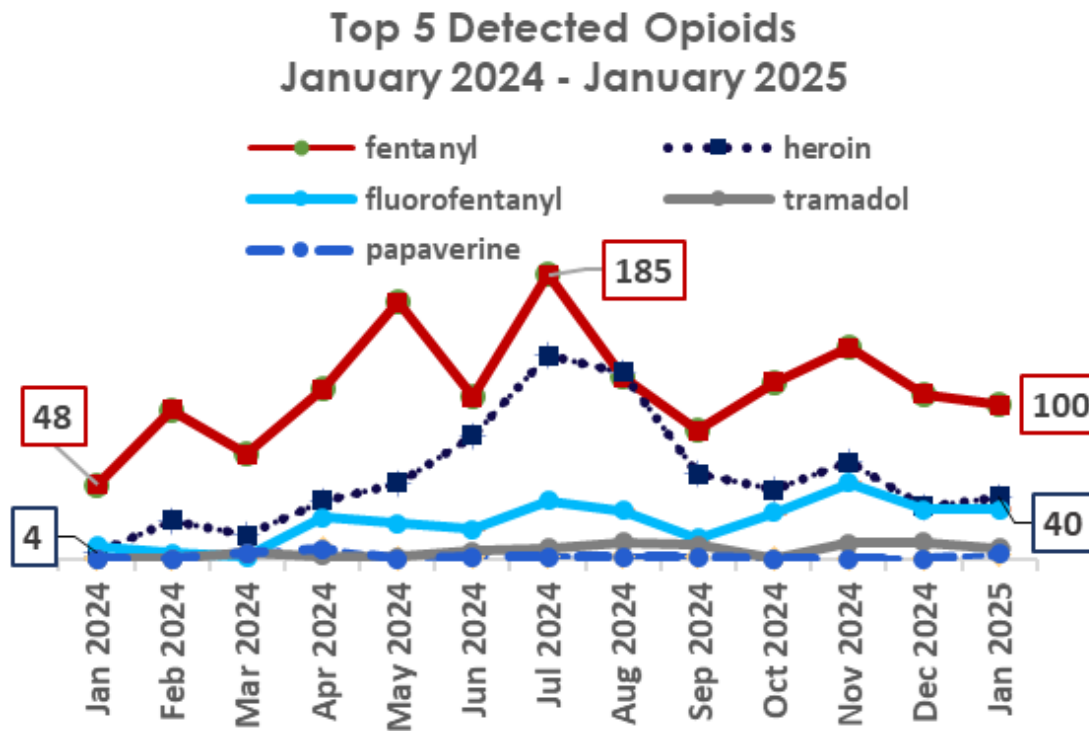


Summary

- 3,301 syringes were analyzed between January 2024 to January 2025.
- The top five CDS detected over the 13-month period were:
 - fentanyl (44%)
 - cocaine (25%)
 - heroin (21%)
 - methamphetamine (19%)
 - fluorofentanyl (9%)

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

Top 5 Detected Opioids (Jan 2024 – Jan 2025)



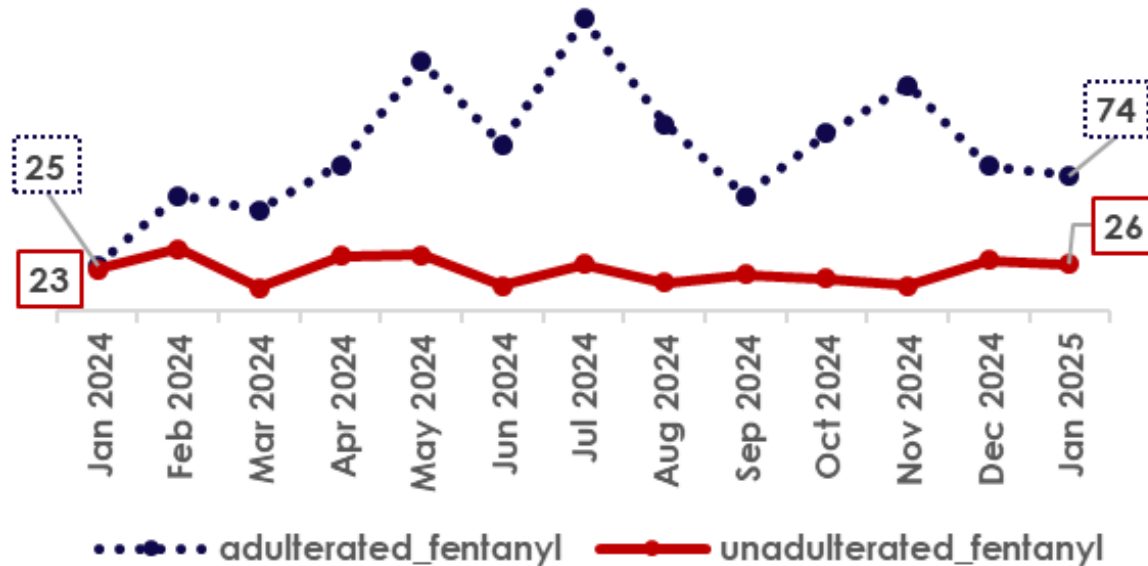
Summary

- The most common synthetic opioids were:
 - fentanyl (1,440 syringes)
 - heroin (701 syringes)
 - fluorofentanyl (307 syringes)
- Papaverine (17 syringes) was the most common non-synthetic opioid.

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

Composition of Fentanyl Syringes (Jan 2024 – Jan 2025)

Adulteration in Fentanyl Syringes
January 2024 - January 2025

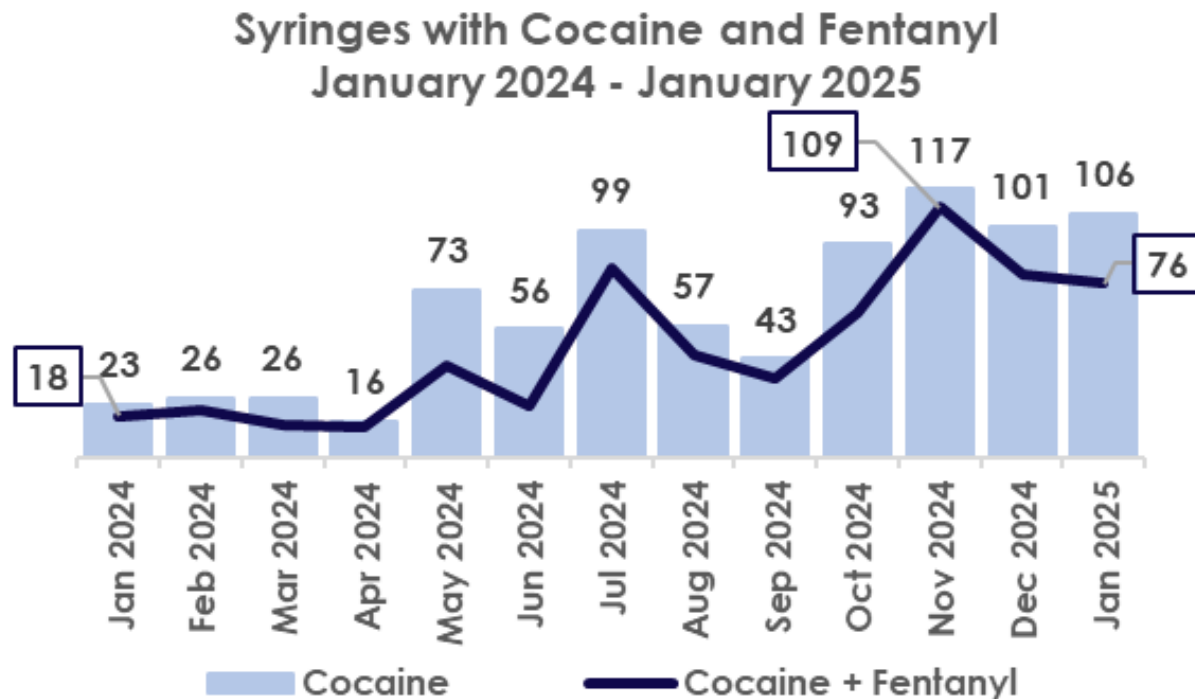


Scatter Plot of Adulterated vs. Unadulterated Fentanyl. Lines represent the number of syringes with adulterated (blue) vs unadulterated (red) fentanyl over the 13-month period.

Summary

- From January 2024 to 2025, there were 2.05 as many syringes with fentanyl than heroin, the second most common opioid.
- Fentanyl is frequently found in syringes containing:
 - cocaine (74% of cocaine syringes)
 - heroin (87% of heroin syringes)
 - xylazine (88% of xylazine syringes)

Composition of Cocaine Syringes (Jan 2024 – Jan 2025)



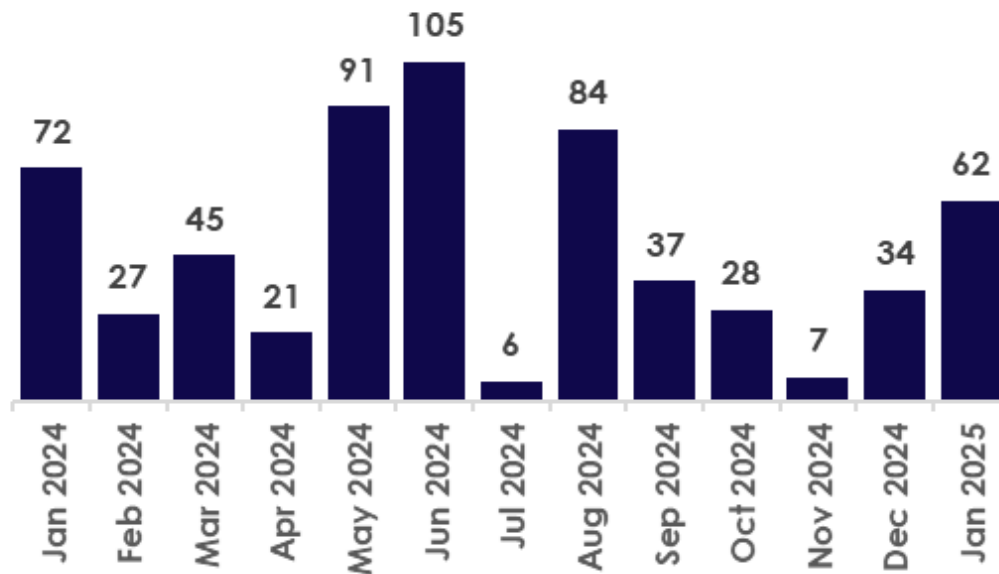
Summary

- From January 2024 to 2025, 25% of syringes analyzed contained detectable amounts of cocaine.
- Methamphetamine was the most common controlled stimulant detected with cocaine (9% of cocaine syringes).

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 13-month period.

Composition of ATS Syringes (Jan 2024 – Jan 2025)

Syringes with Methamphetamine
January 2024 - January 2025



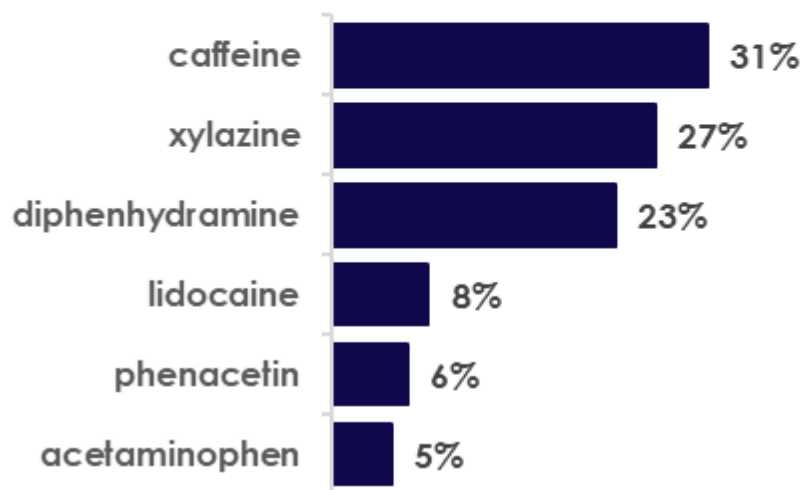
Bar Chart of Syringes with Methamphetamine. Bars represent the total number of syringes analyzed with methamphetamine over the 13-month period.

Summary

- From January 2024 to 2025, 27% of CDS syringes analyzed contained detectable amounts of an amphetamine-type stimulant (ATS).
- The most common ATS detected were:
 - methamphetamine (619 syringes)
 - dipentylone (262 syringes)
 - isopropyl butylone (28 syringes)

Composition of Adulterants in Syringes (Jan 2024 – Jan 2025)

% of Syringes with Non-Controlled Adulterants
January 2024 - January 2025



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 13-month period.

Summary

- Among the major drug classes, substances detected with the highest rate of adulterants were:
 - fluorofentanyl within opioids (97% of syringes)
 - cocaine (67% of syringes)
 - isopropyl butylone within ATS (68% of syringes)
- Fentanyl was the most prevalent opioid found with xylazine (771 syringes) over the 13-month period.