



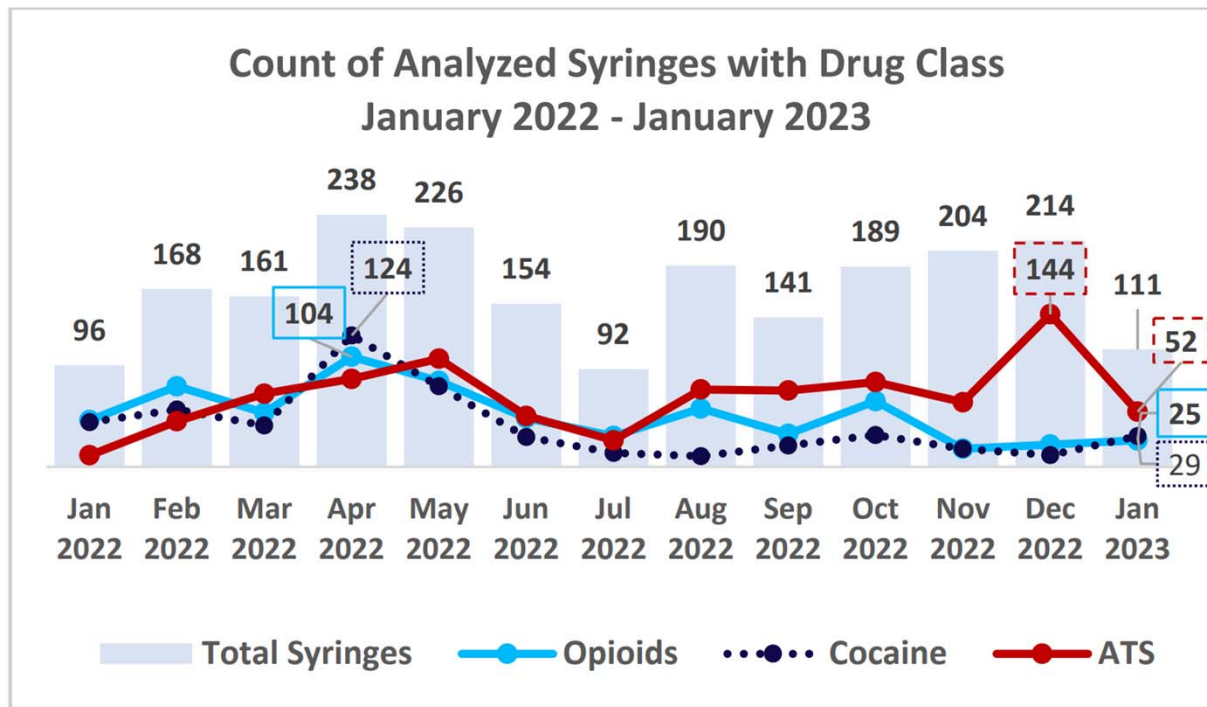
DISTRICT OF COLUMBIA
DFS
DEPARTMENT OF
FORENSIC SCIENCES

Forensic Science Laboratory | Public Health Laboratory | Crime Scene Sciences

DFS FCU Annual Summary

January 2023

Count of Analyzed Syringes (Jan 2022 – Jan 2023)

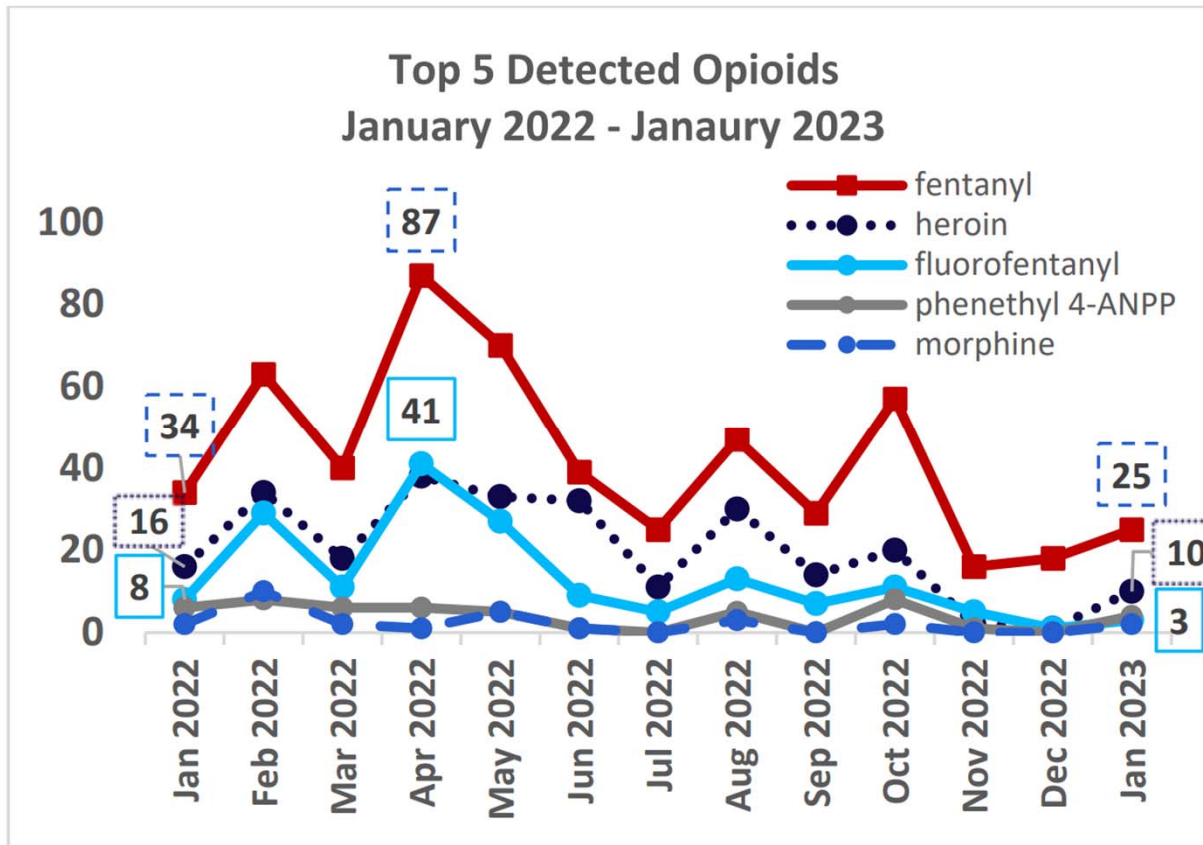


Line Graph of Drug Class Trends. Lines represent the number of syringes that contain a given substance or combination of given substances over the past 13-month period. Bars represent the total number of syringes analyzed by month.

Summary

- 2,184 syringes were analyzed between January 2022 to January 2023.
- The top five CDS detected over the past 13-month period were:
 - methamphetamine (32%)
 - fentanyl (25%)
 - cocaine (23%)
 - heroin (12%)
 - fluorofentanyl (8%)

Top 5 Detected Opioids (Jan 2022 – Jan 2023)

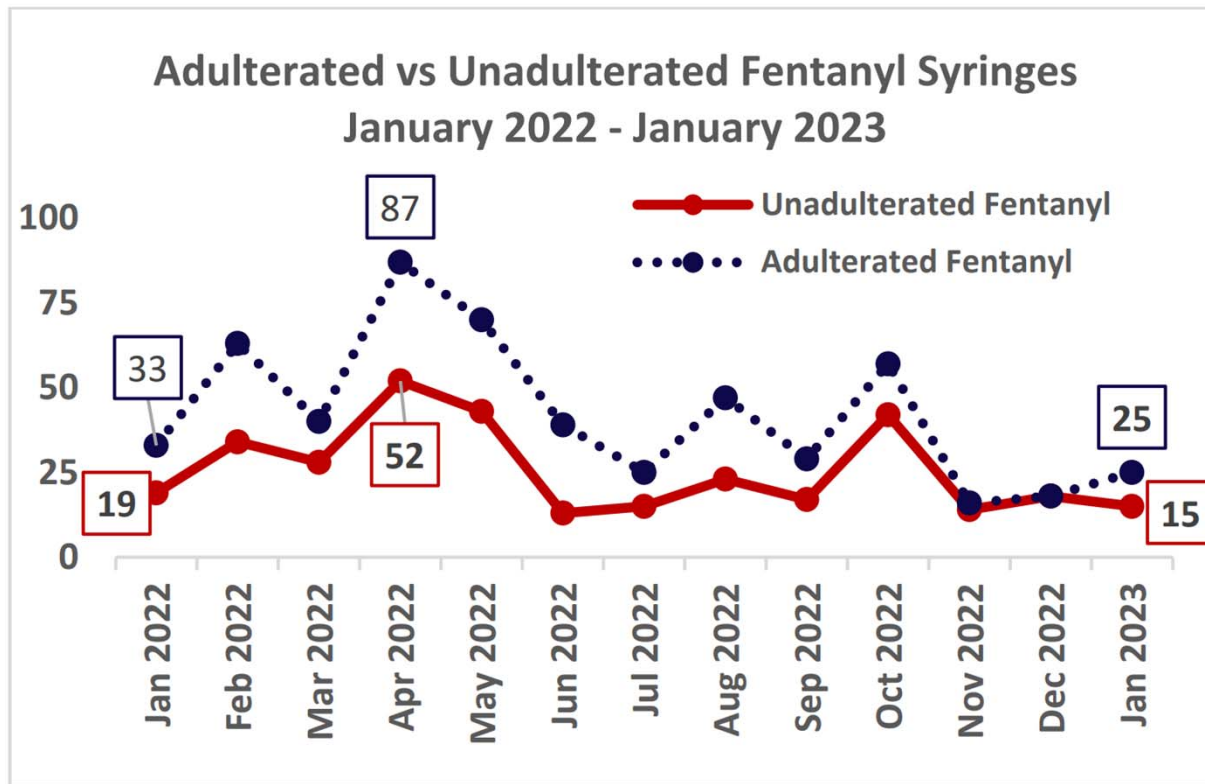


Scatter Plot of Top Opioids. Each line represents the number of syringes analyzed in each of the top 5 detected opioids over the past 13-month period.

Summary

- The most common synthetic opioids were:
 - fentanyl (550 syringes)
 - heroin (259 syringes)
 - fluorofentanyl (170 syringes)
- Morphine (28 syringes) was the most common non-synthetic opioid, followed by codeine (22 syringes) and noscapine (12 syringes)

Composition of Fentanyl Syringes (Jan 2022 – Jan 2023)

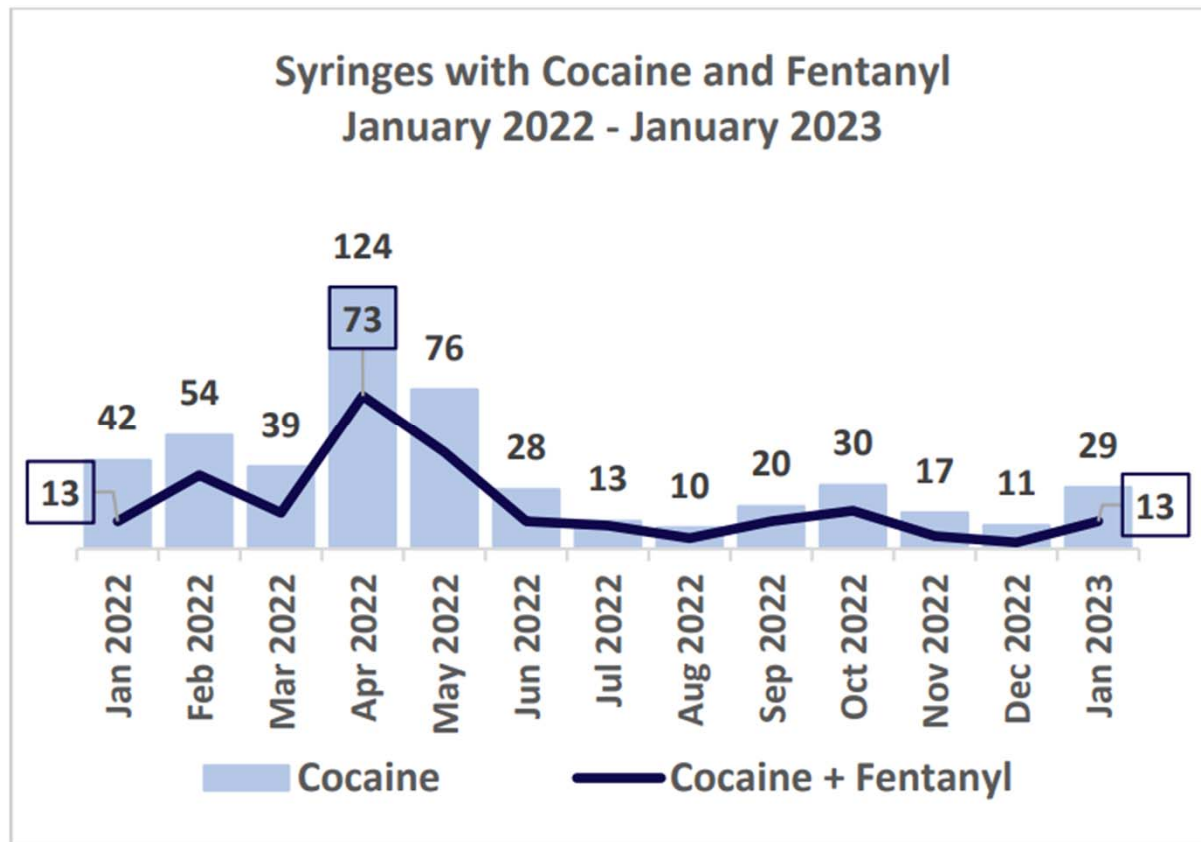


Scatter Plot of Adulterated vs. Unadulterated Fentanyl. Lines represent the number of syringes with adulterated (blue) vs unadulterated (red) fentanyl over the past 13-month period.

Summary

- From January 2022 to 2023, there were twice as many syringes with fentanyl than heroin, the second most common opioid.
- Fentanyl is frequently found in syringes containing:
 - cocaine (54% of cocaine syringes)
 - heroin (84% of heroin syringes)
 - xylazine (60% of xylazine syringes)

Composition of Cocaine Syringes (Jan 2022 – Jan 2023)

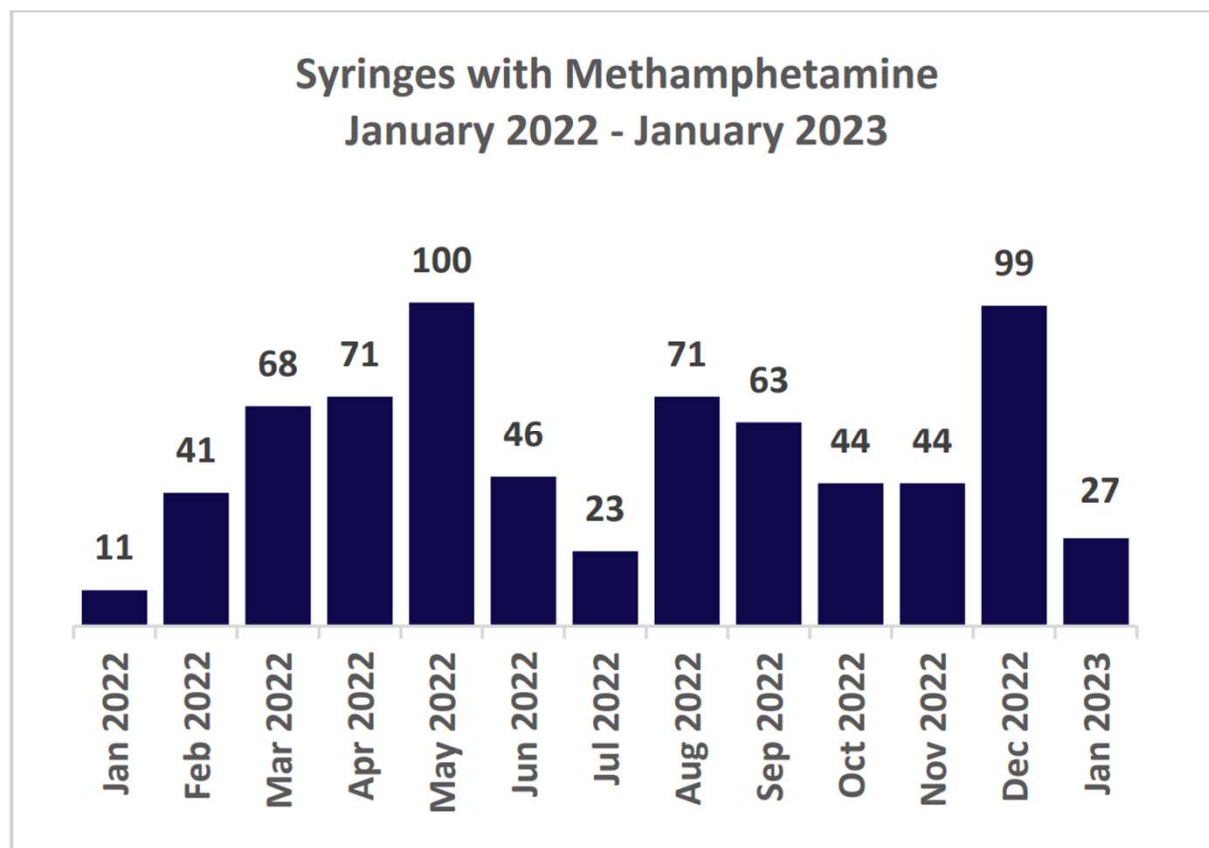


Summary

- From January 2022 to 2023, 22% syringes analyzed by FSL had cocaine.
- Methamphetamine was the most common controlled stimulant detected with cocaine (17% 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 past 13-month period.

Composition of ATS Syringes (Jan 2022 – Jan 2023)

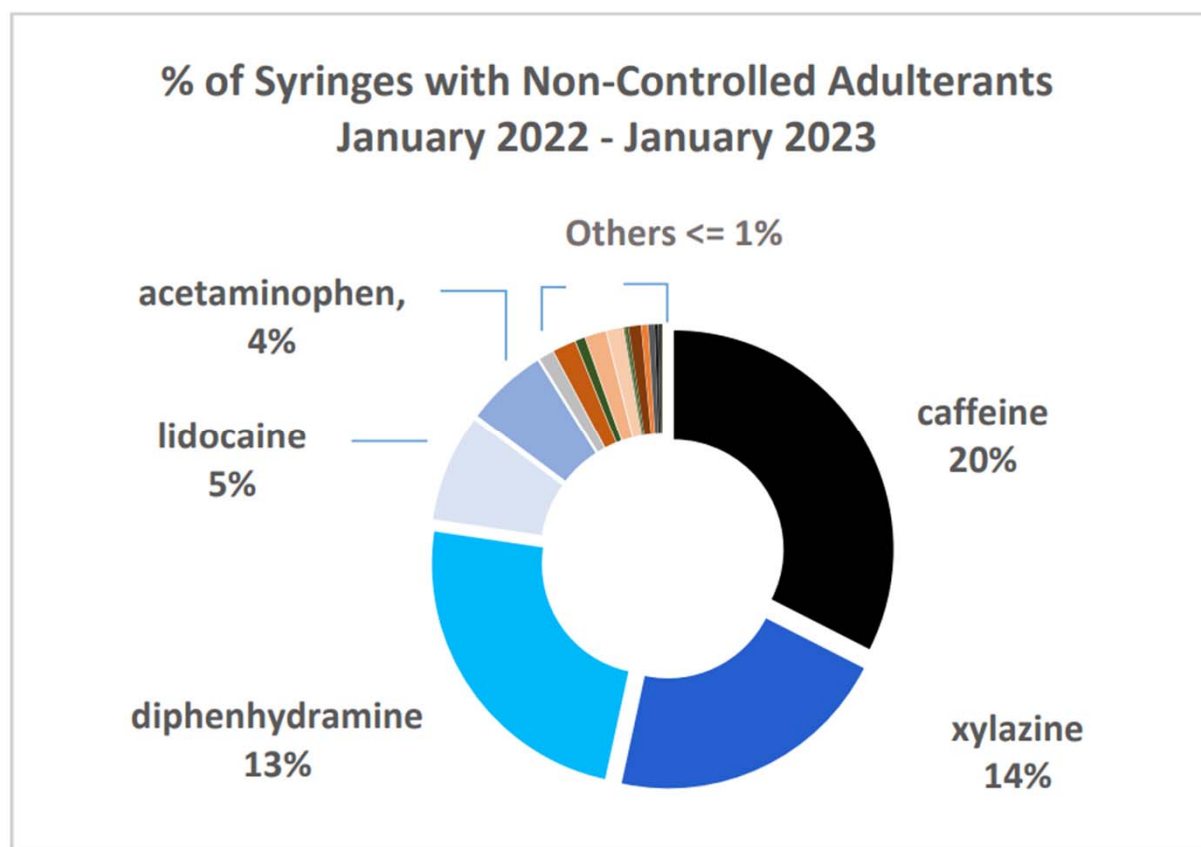


Bar Chart of Syringes with Methamphetamine. Bars represent the total number of syringes analyzed with methamphetamine over the past 13-month period.

Summary

- From January 2022 to 2023, 61% of CDS syringes analyzed by FSL had an amphetamine-type stimulant (ATS).
- The most common ATS detected were:
 - Methamphetamine (708 syringes)
 - dipentylone (172 syringes)
 - n-formylmethamphetamine (59 syringes)

Composition of Adulterants in Syringes (Jan 2022 – Jan 2023)



Summary

- Among the major drug classes, substances detected with the highest rate of adulterants were:
 - n-acetylmethamphetamine within ATS (18% of syringes),
 - codeine within opioids (96% of syringes)
 - cocaine (67% of syringes).
- Fentanyl was the most prevalent opioid found with xylazine (189 syringes) over the past 13-month period.

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.