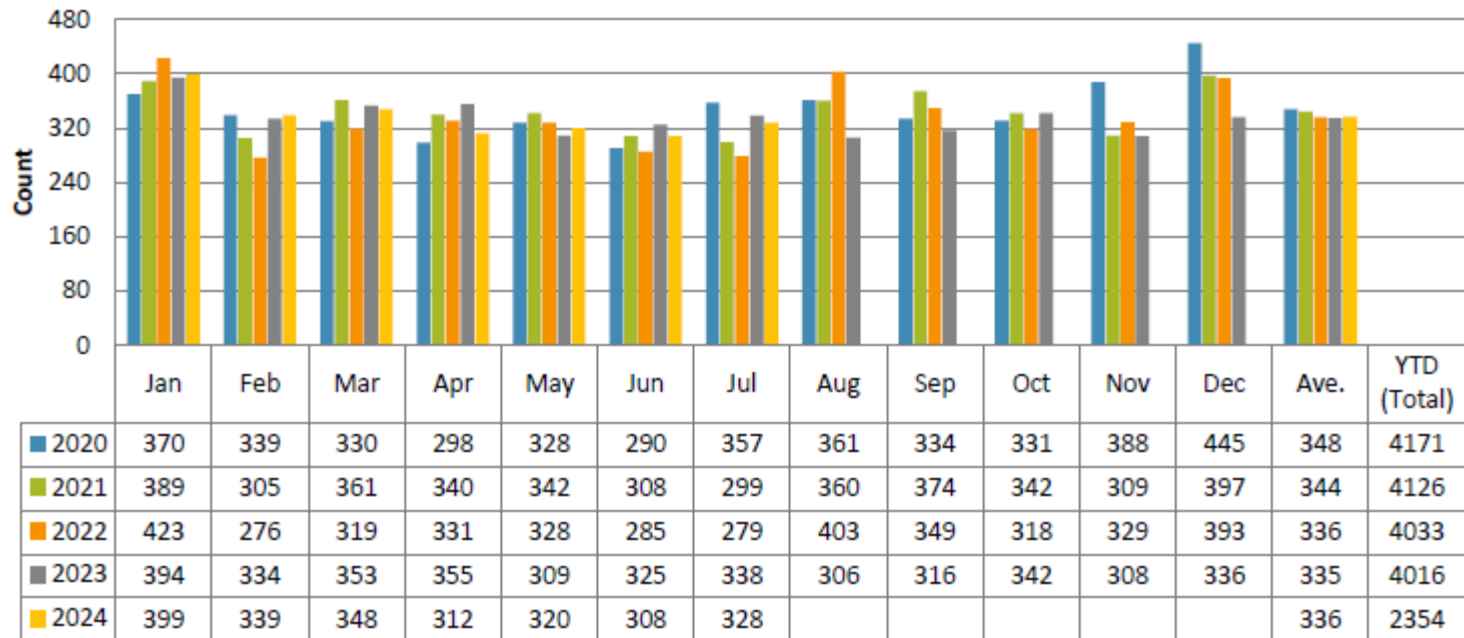


SEDGWICK COUNTY REGIONAL FORENSIC SCIENCE CENTER
Wichita, Kansas

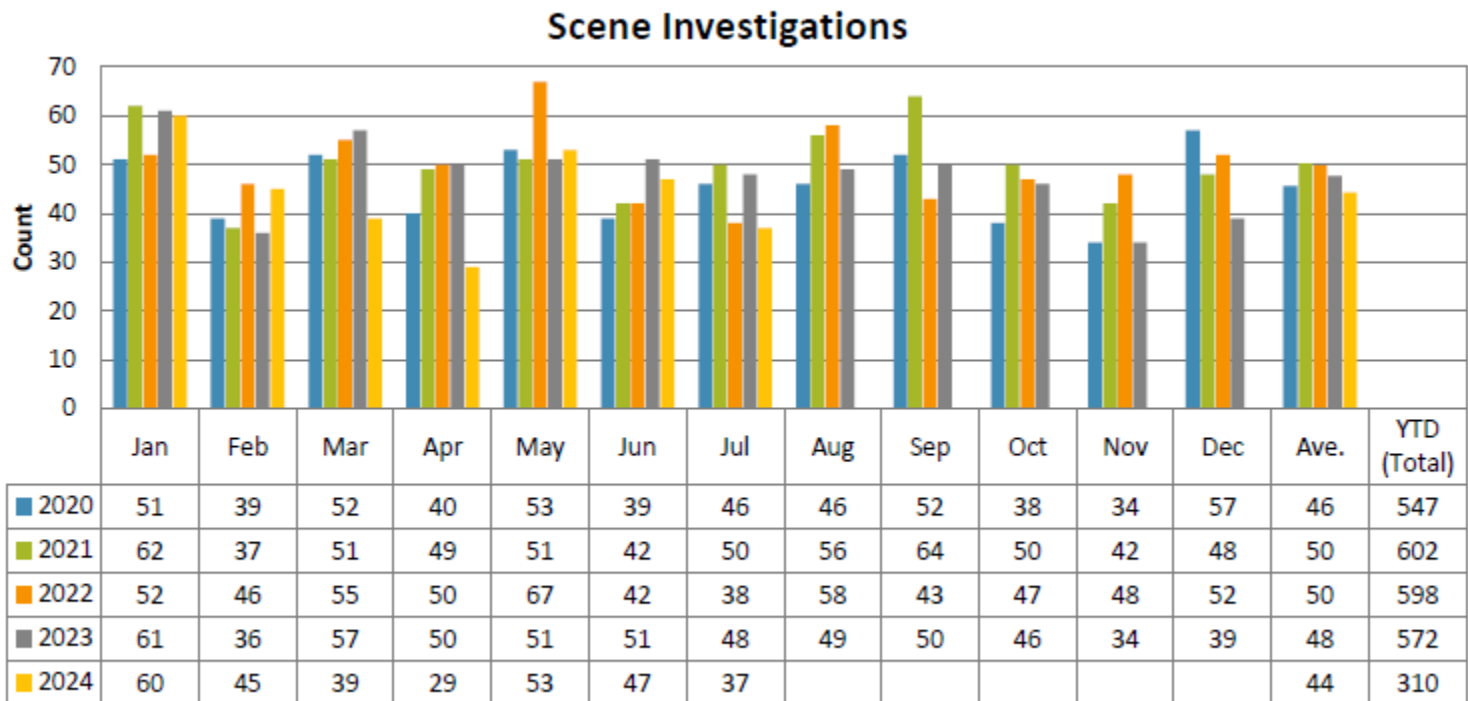
**ADVISORY BOARD QUARTERLY
REPORT
August 15, 2024**

Medical Investigations

Reported Deaths

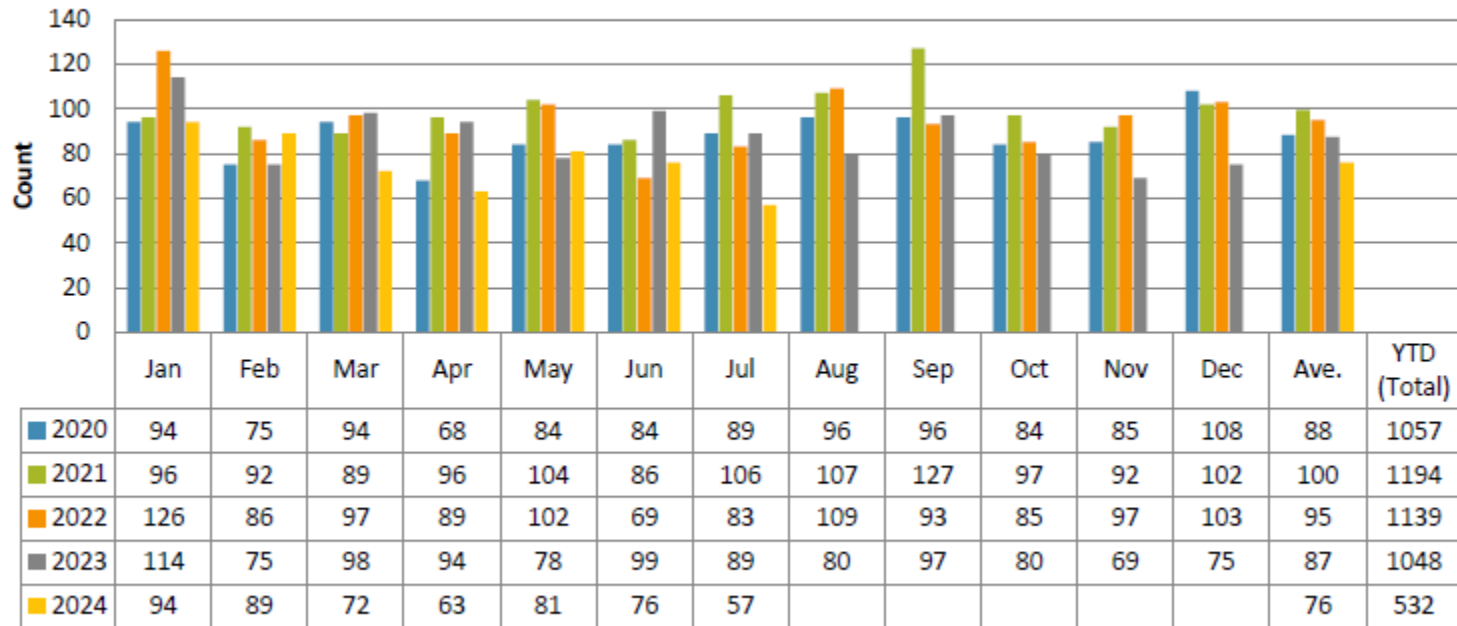


Medical Investigations



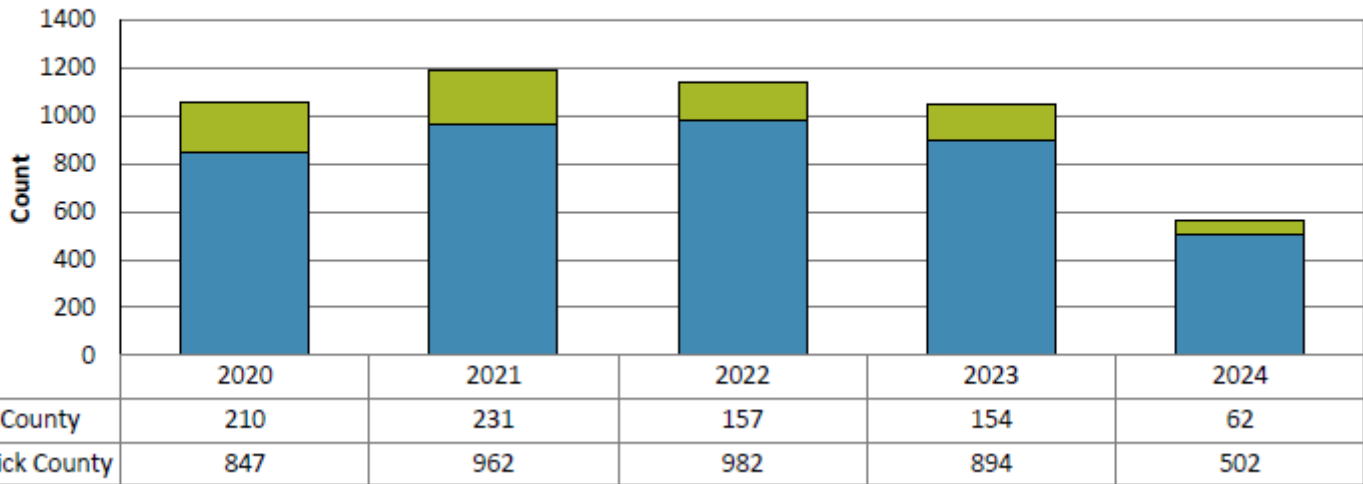
Pathology

Autopsy Cases Received by Death Reported Year



Pathology

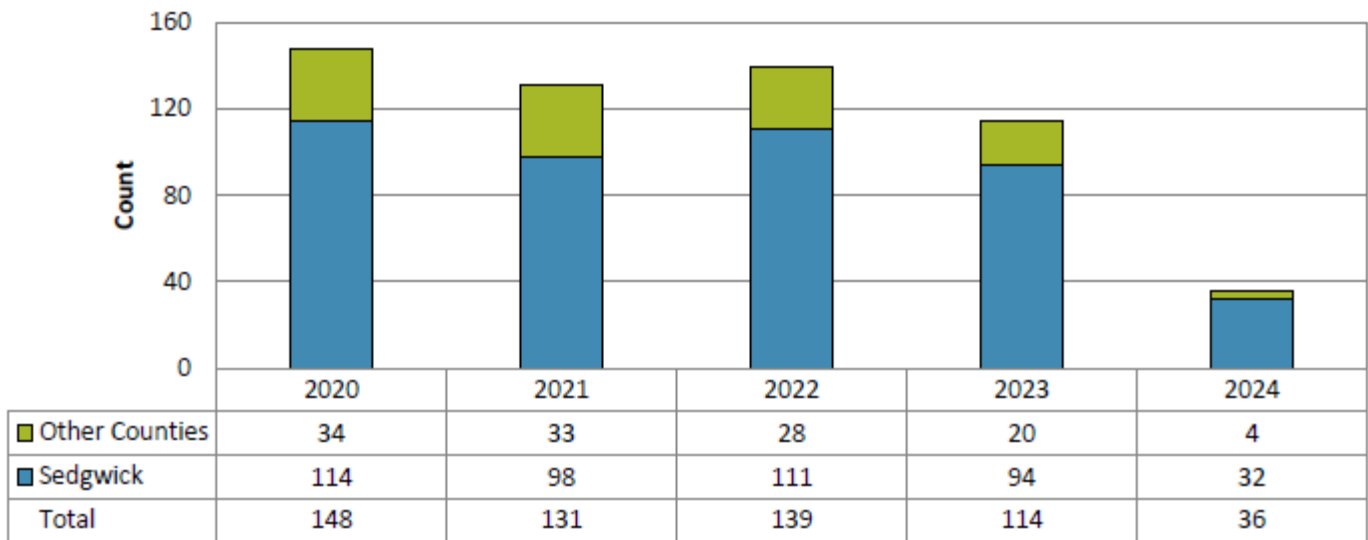
Autopsy Cases Sedgwick County vs. Out of County



2021 = 19% 2022 = 14% 2023 = 17% 2024 = 12%

Pathology

Count of Suicides by Examination Year



14%

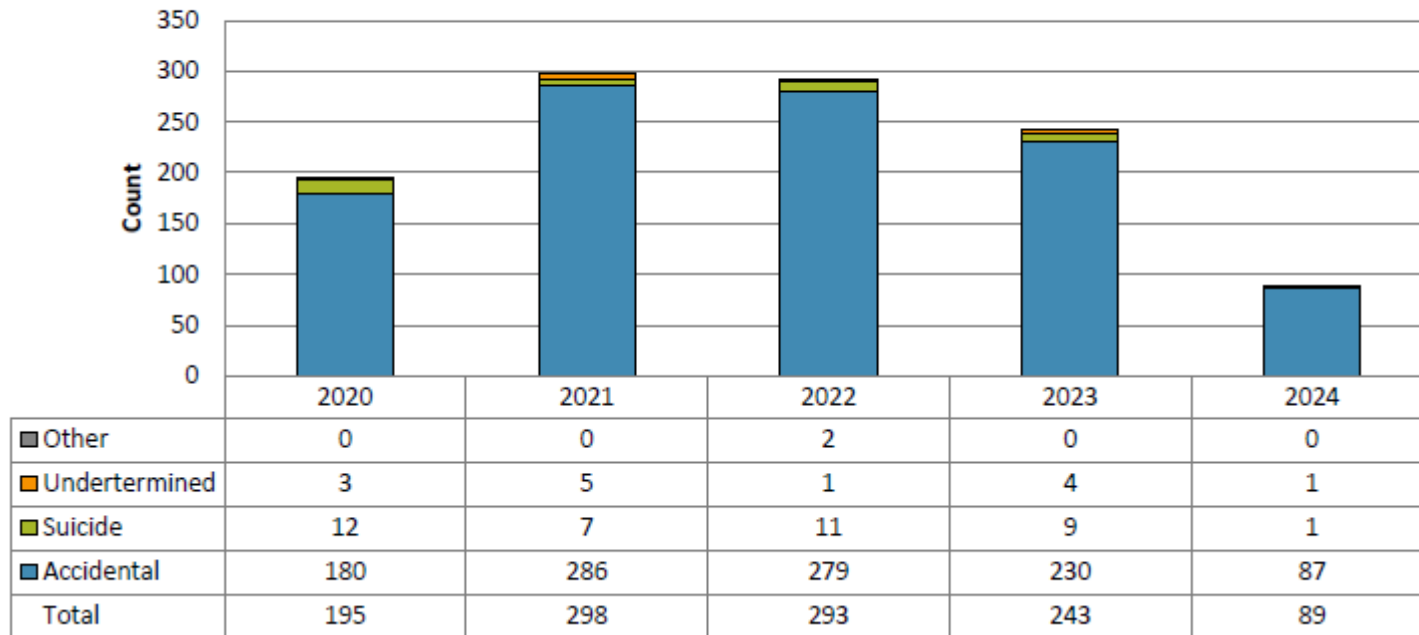
11%

12%

11%

Pathology

Overdose Count by Manner of Death by Death Year



18%

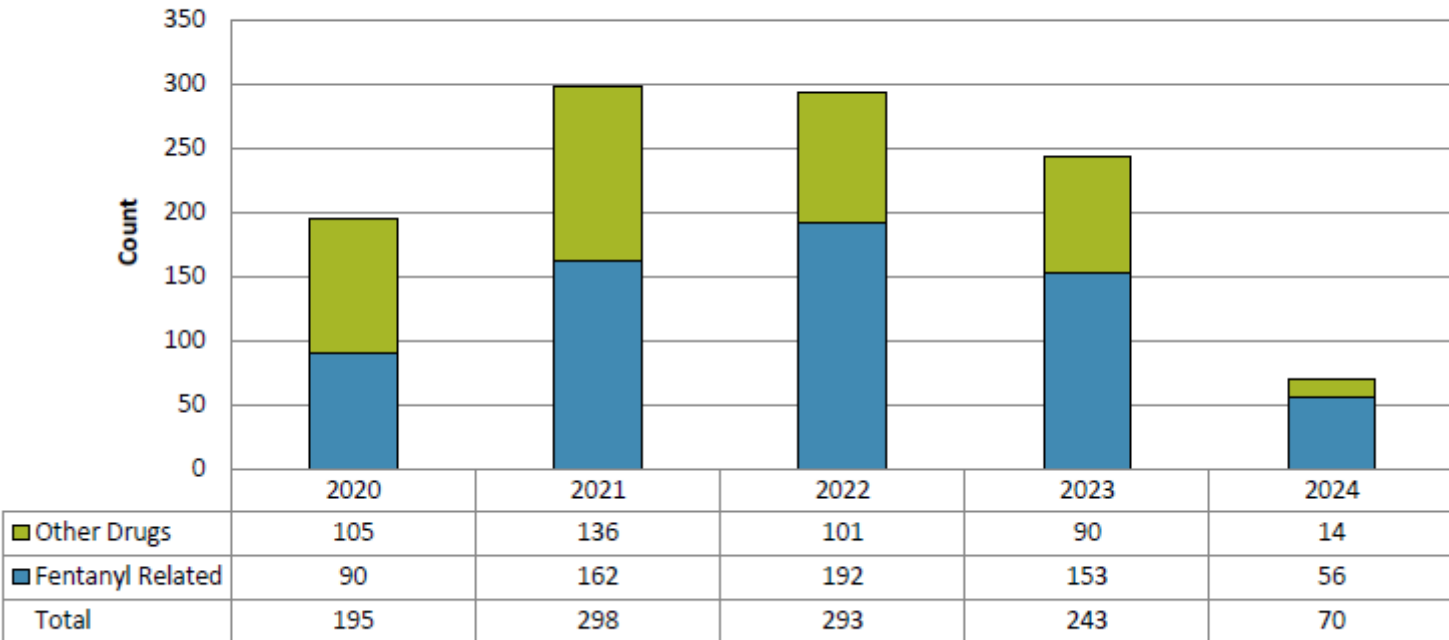
25%

27%

23%

Pathology

Overdose Count: Fentanyl Related vs. Other Drugs



46%

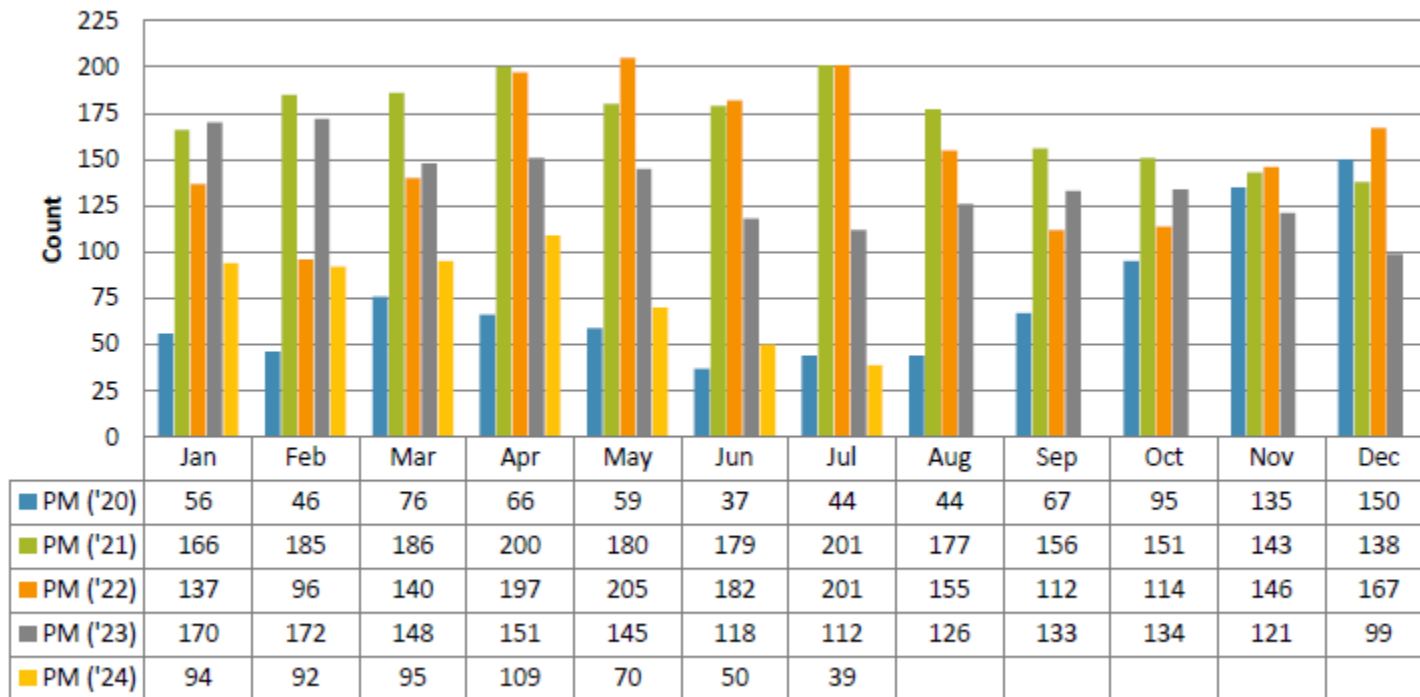
54%

66%

63%

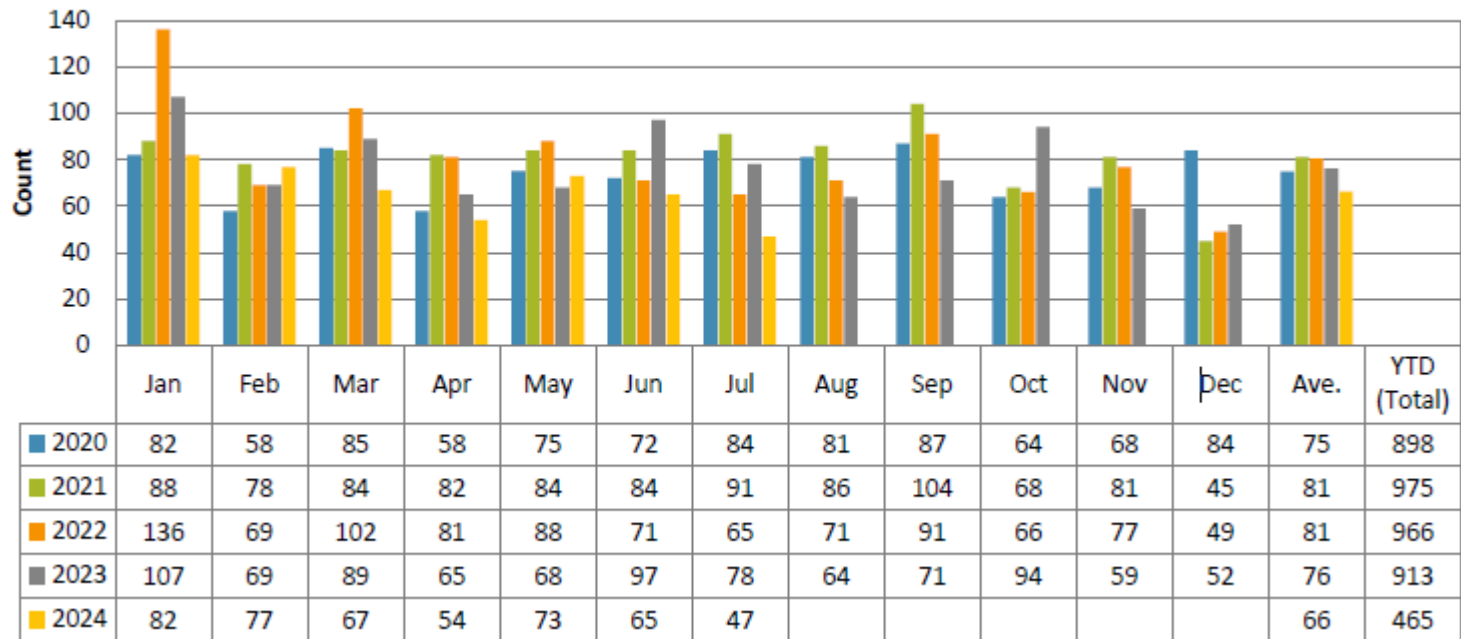
Toxicology

PM - Toxicology Backlog (> 60 Days)



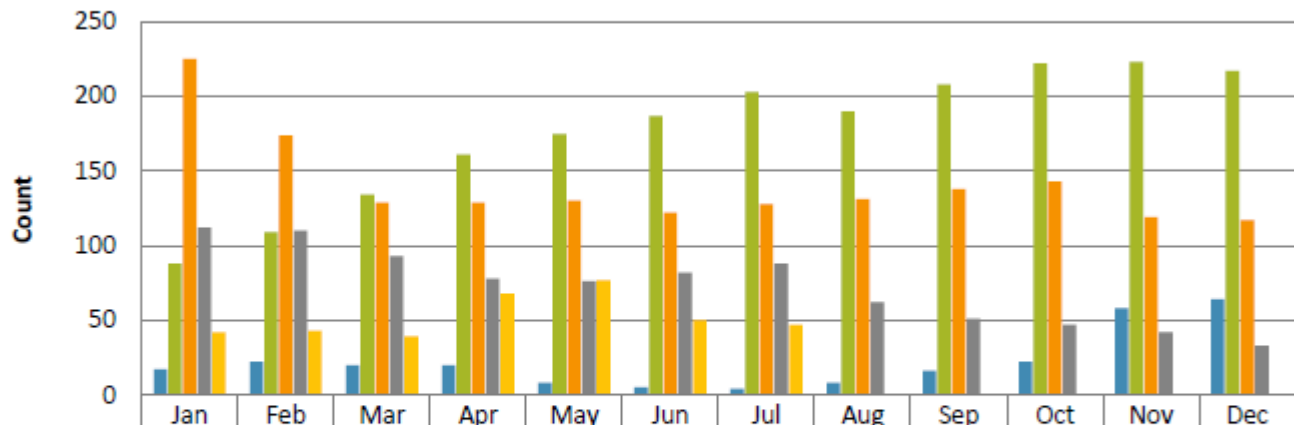
Toxicology

Newly Submitted PM Toxicology Cases



Toxicology

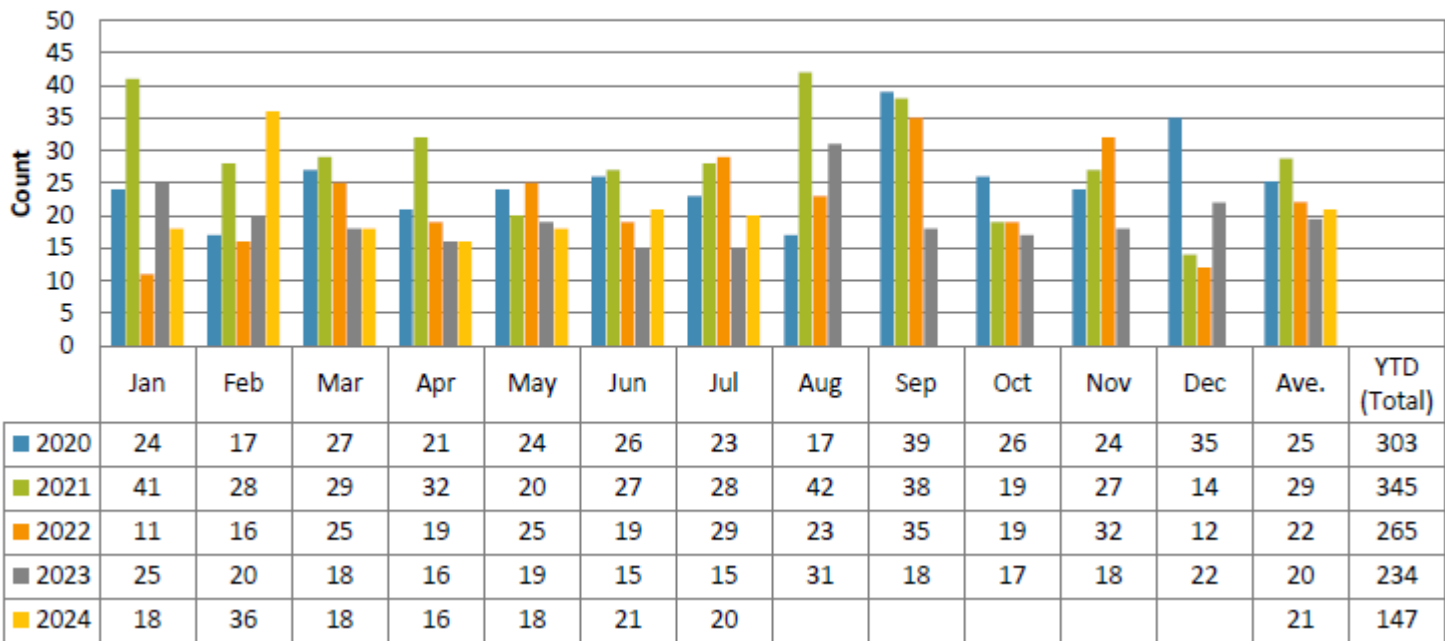
HPT Toxicology Backlog (> 60 Days)



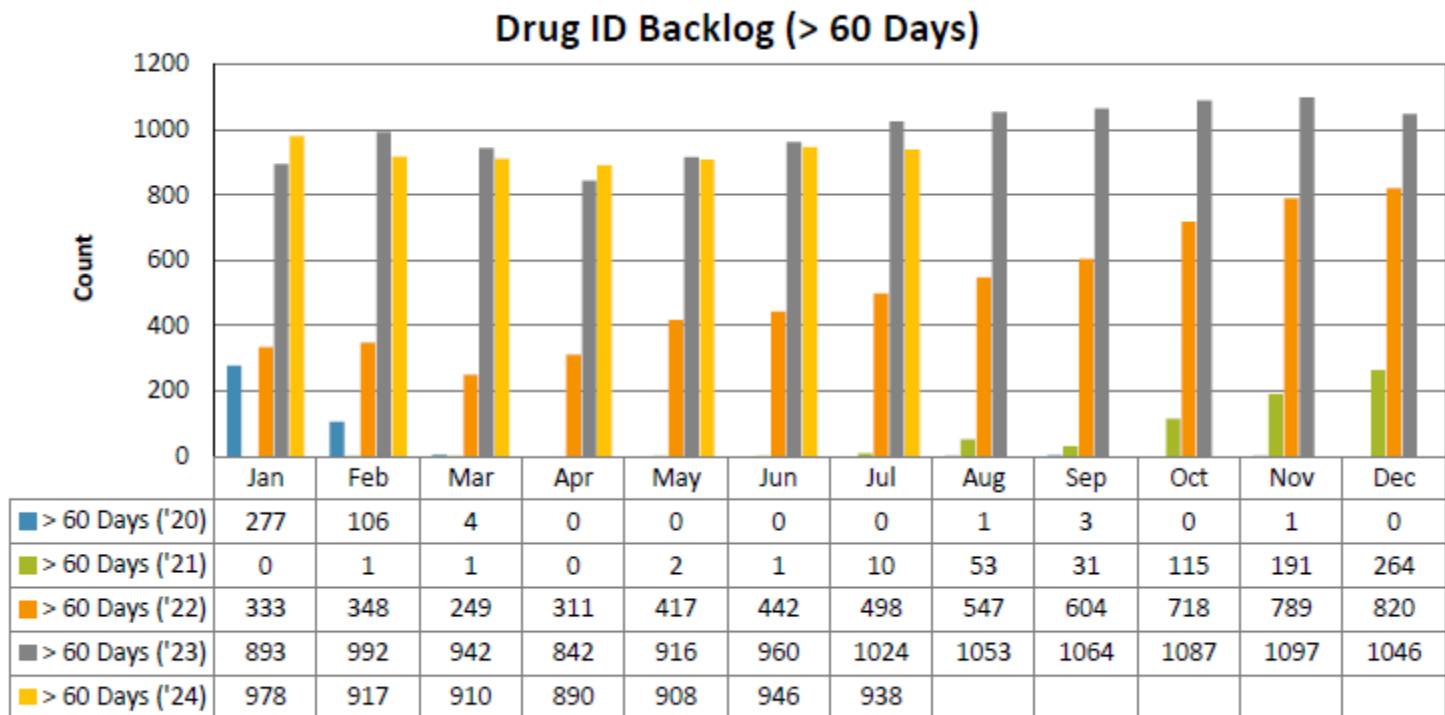
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
DUI/DUID/Misc ('20)	17	22	20	20	8	5	4	8	16	22	58	64
DUI/DUID/Misc ('21)	88	109	134	161	175	187	203	190	208	222	223	217
DUI/DUID/Misc ('22)	225	174	129	129	130	122	128	131	138	143	119	117
DUI/DUID/Misc ('23)	112	110	93	78	76	82	88	62	51	47	42	33
DUI/DUID/Misc ('24)	42	43	39	68	77	50	47					

Toxicology

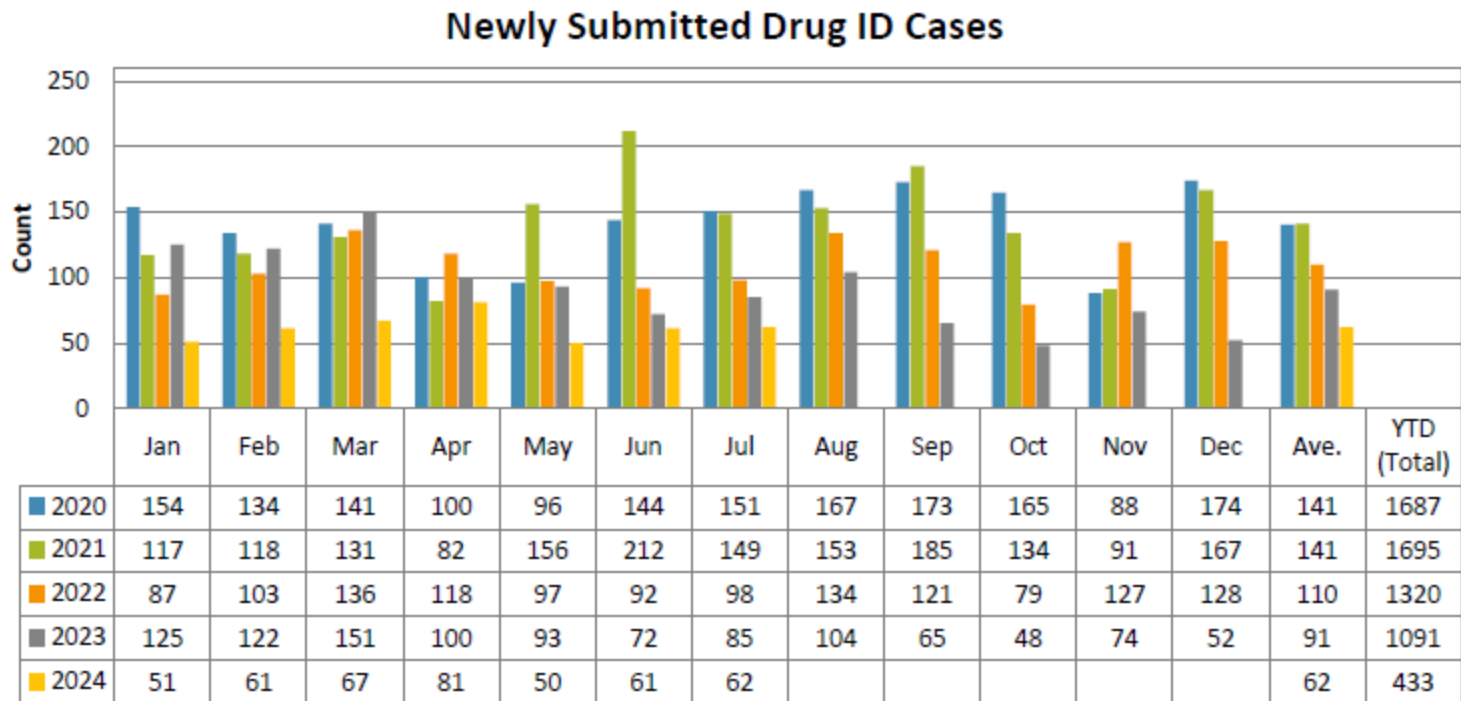
Newly Submitted HPT Toxicology Cases



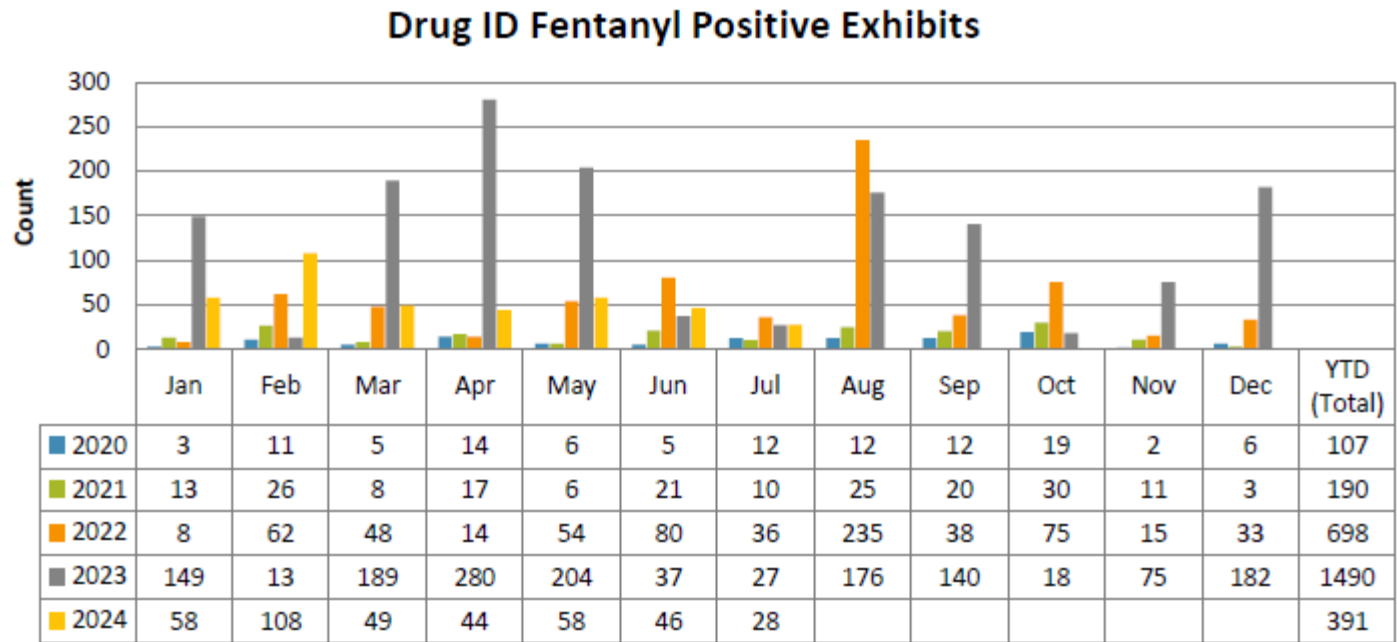
Drug Identification



Drug Identification

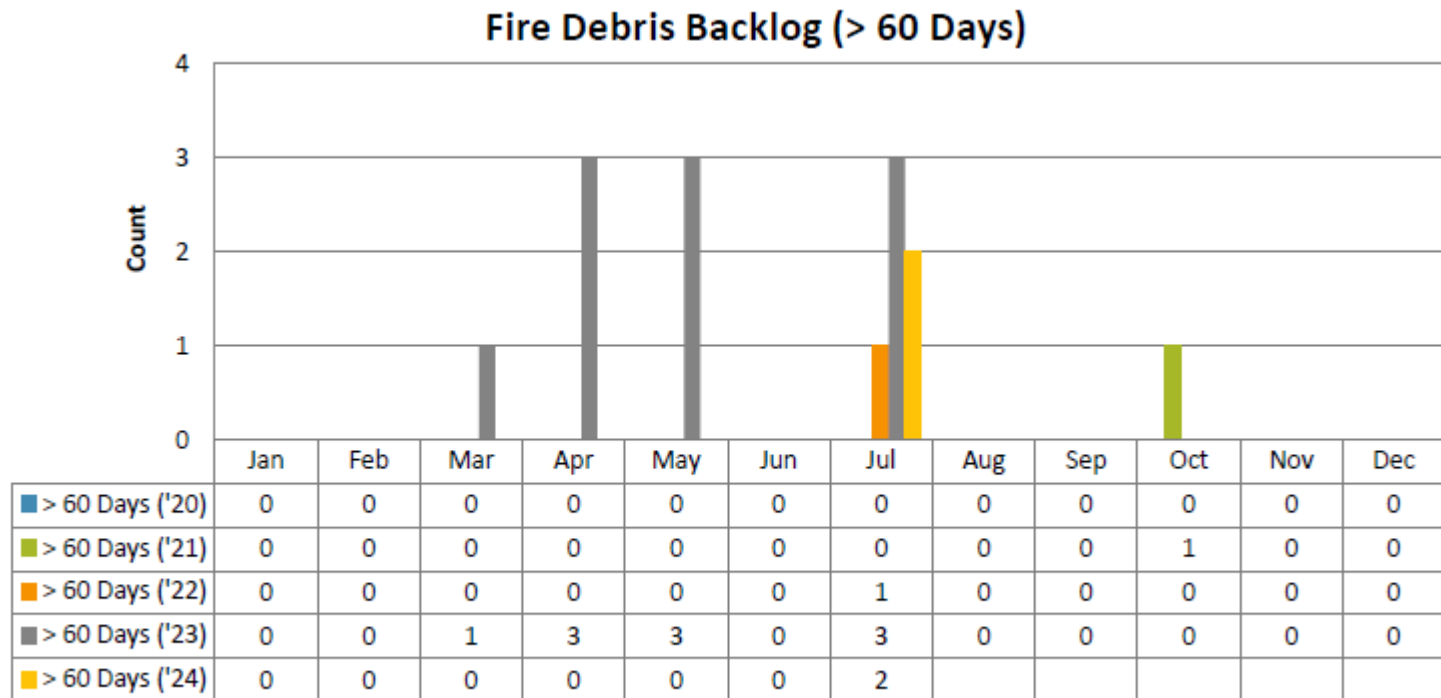


Drug Identification



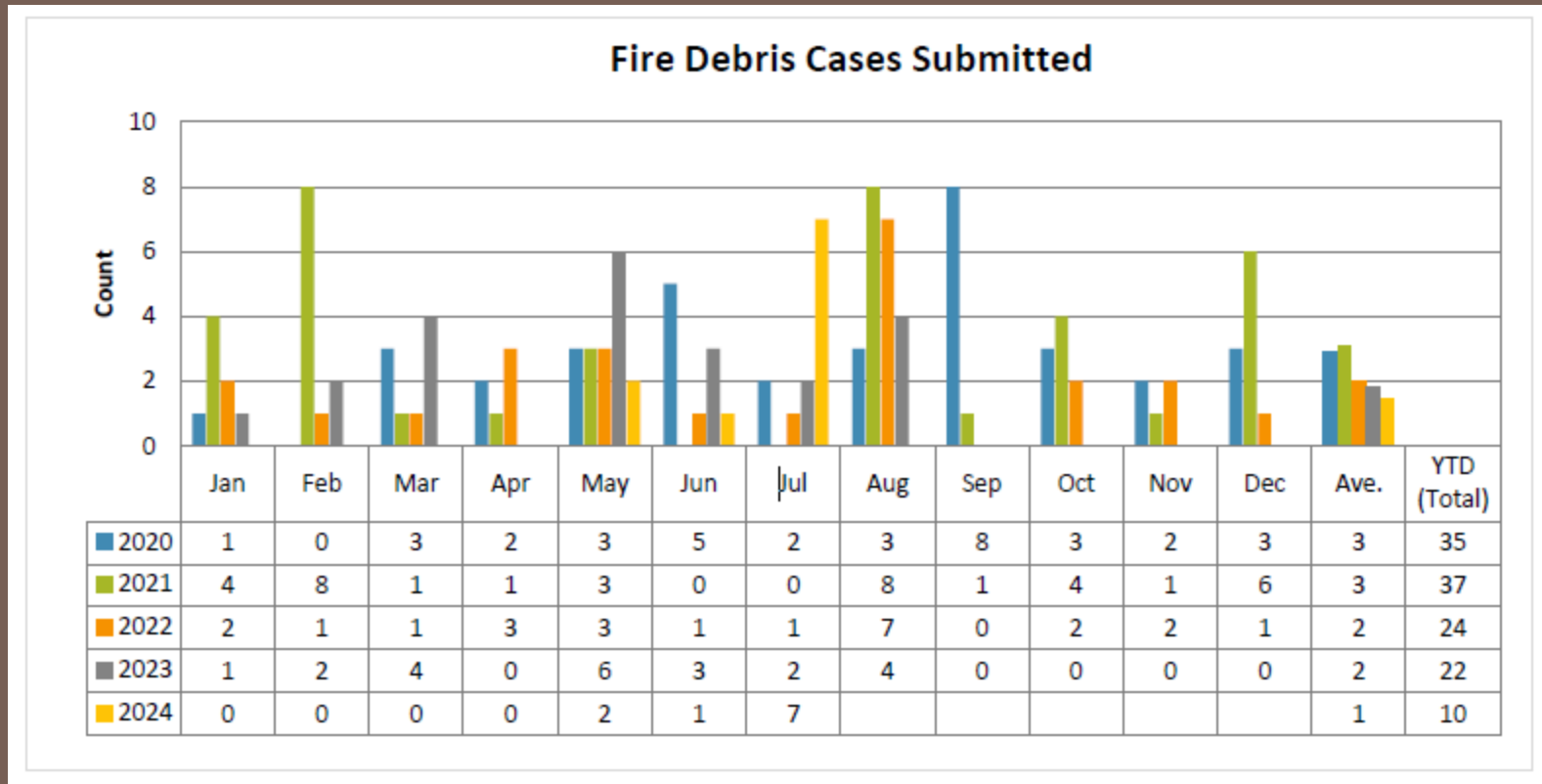
2023 increased 684% from 2021

Fire Debris



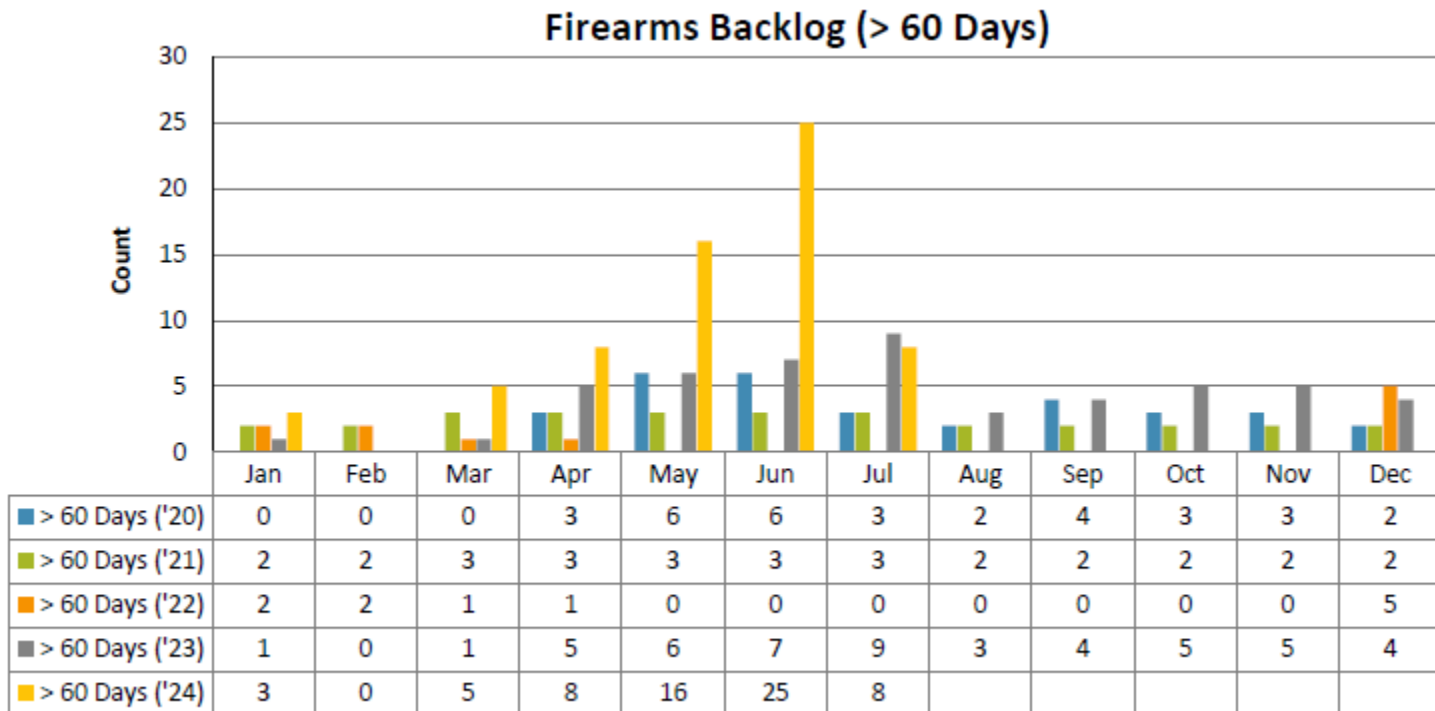
Ten (10) cases were received May-July while analysts were in training; training is completed and testing is currently underway.

Fire Debris



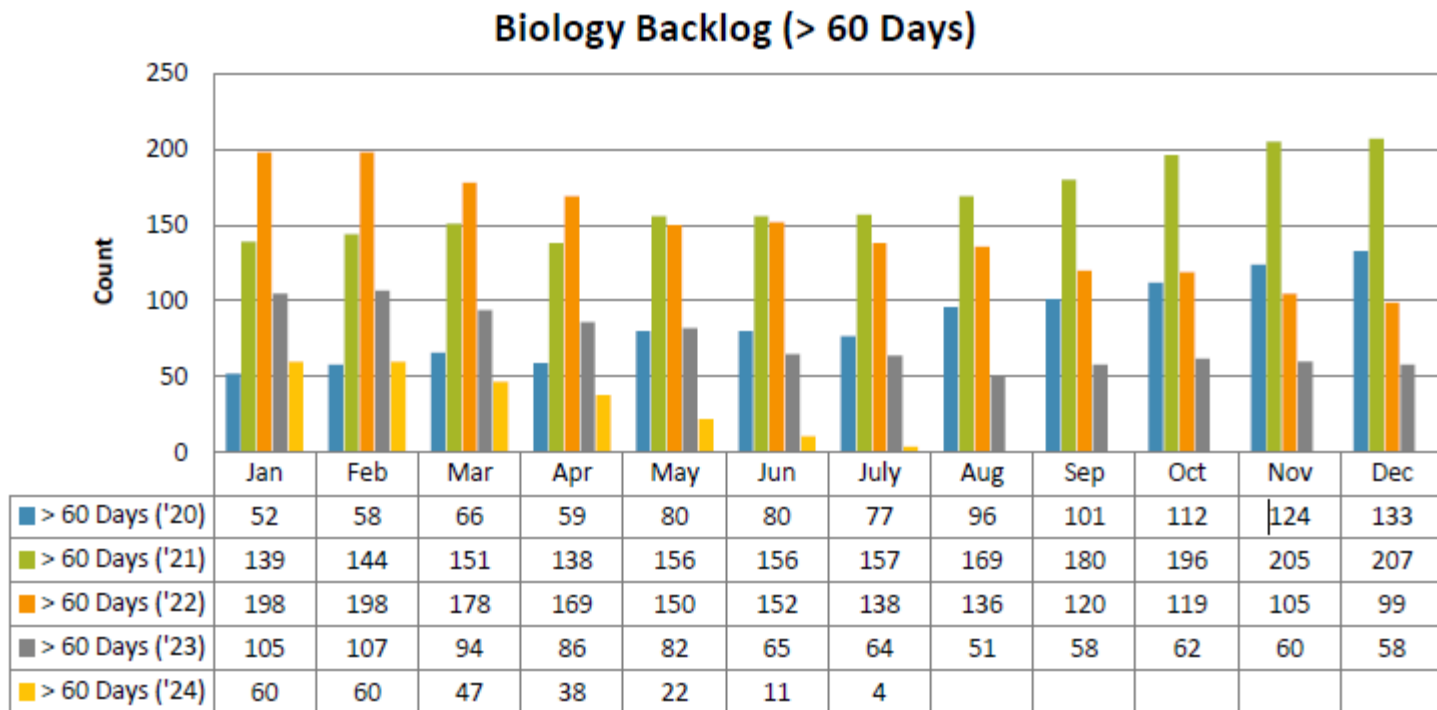
Ten (10) cases were received May-July while analysts were in training; training is completed and testing is currently underway.

Firearms



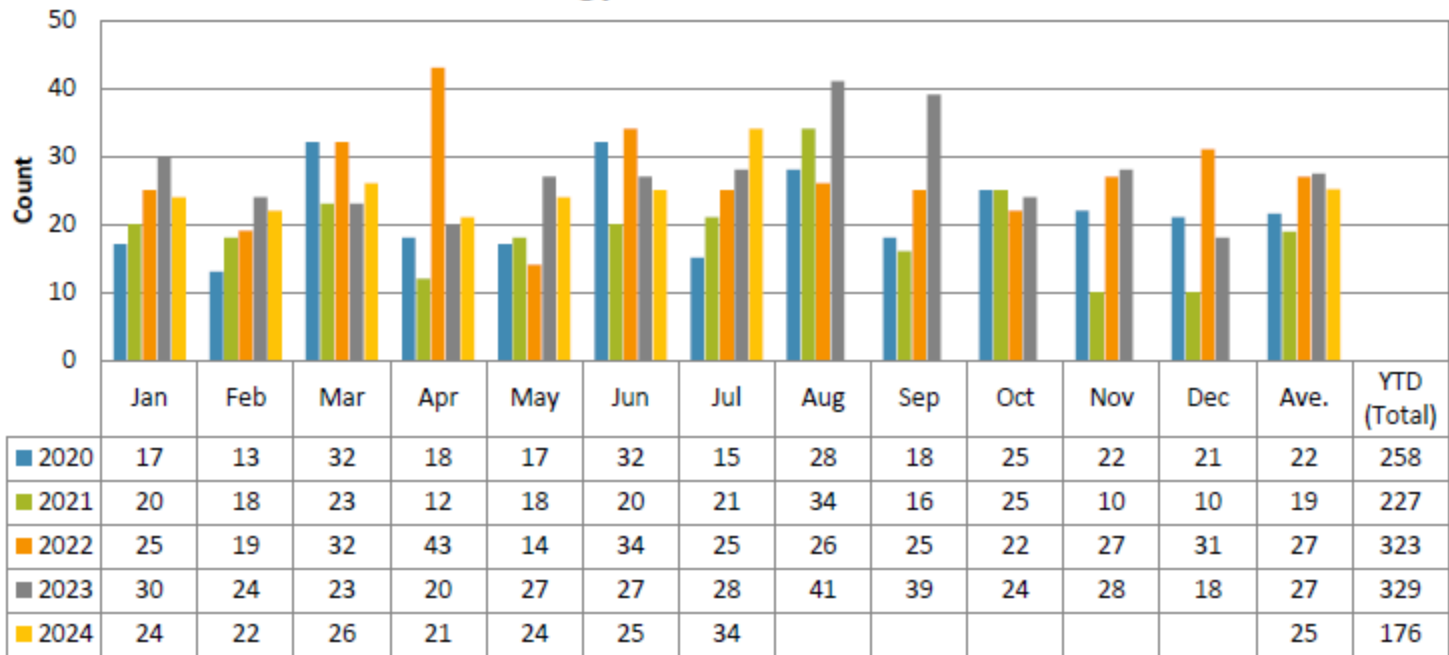
Backlogged cases are awaiting review by a secondary laboratory since RFSC currently only has one fully trained examiner.

Biology / DNA



Biology / DNA

All Biology/DNA Case Submissions



Summary

Quarterly Summary:

- Both LC-MS/MS instrument validations underway and continuing to outsource with various grants in Tox.
- Land acquisition for DNA addition is on hold – space study underway.
- RFSC has one vacancy in Firearms, pathology staffing is stable and case volume has leveled off.
- Dr. Schainost and Terri Gibler elected to the County's Grievance Board.

Summary

Quarterly Summary OD2A:

- OD2A funded position has completed training.
- Medical Investigations have collected drugs and/or paraphernalia at 62 scenes since starting project December 1, 2023.
- Drug paraphernalia testing is caught up, some technical reviews of data ongoing.
- Results are posted on RFSC website.
- Will begin data sharing with CDC toward end of year and will serve as pilot for developing data reporting.

Summary

Substance Identified	Number of Substances
4-ANPP/ANPP	51
ADB-BUTINACA	1
Alprazolam	1
Amphetamine	19
Boldenone	1
Boldenone Undecylenate	1
Bromazolam	2
Buspirone	1
Carfentanil	2
Cocaine	38
Fentanyl	68
Heroin	7
LSD	1
MDMB-en-PINACA	2
Methamphetamine	114
Total	461

Scenes Processed

62

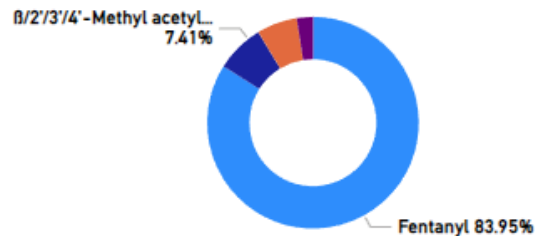
Scenes Analyzed

49

Items Confirmed

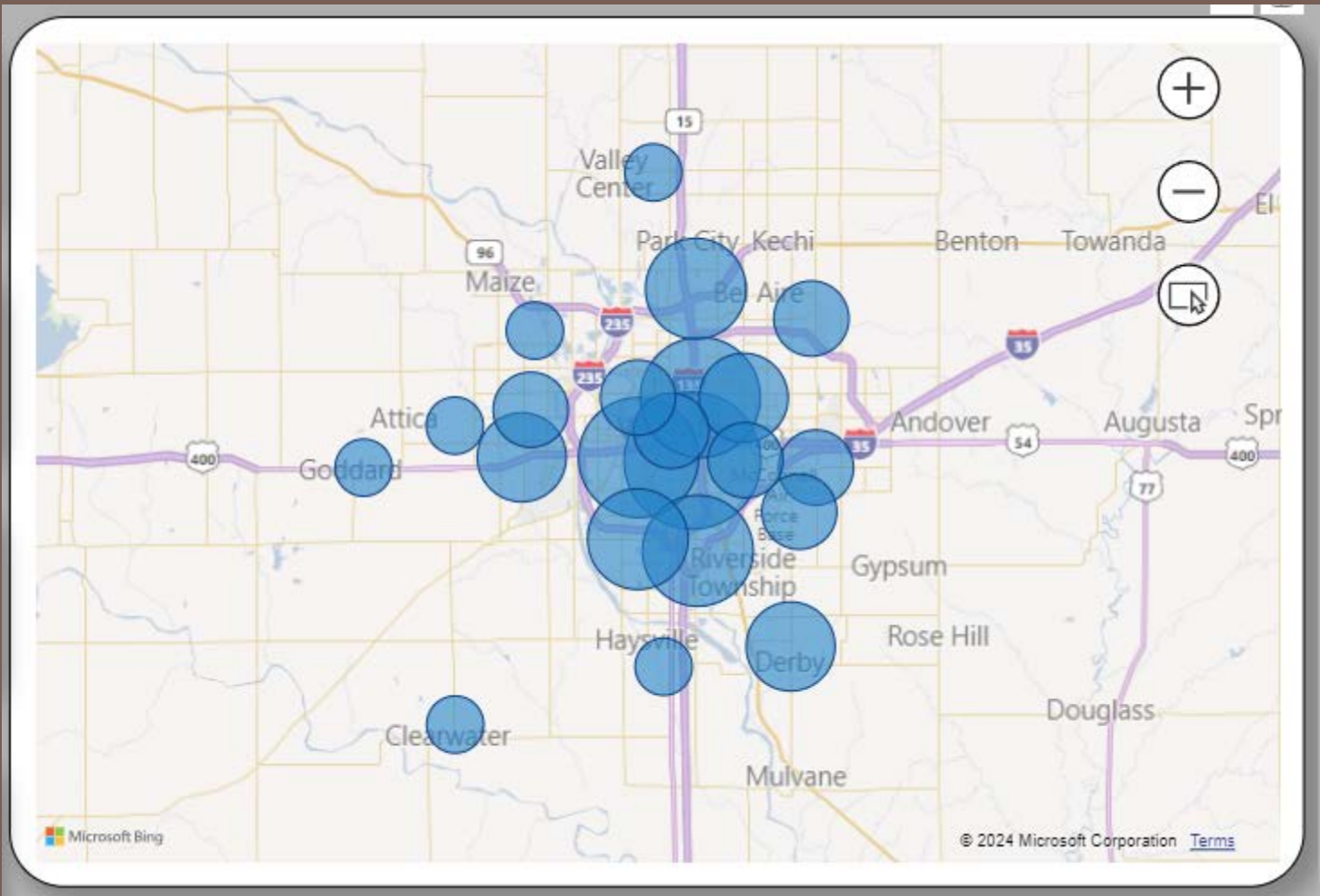
334

Overview of Fentanyl Detected in OD2A Items Tested



Note: The Number of Substances is larger than the Number of Items Confirmed because often times examined items are mixtures with more than one substance detected.

Summary



Summary

2024 Grants Submitted:

- Coverdell Formula (\$99,900) → award received
- Coverdell Formula solicitation → application submitted
- CEBR (\$302,018) → application submitted
- JAG (\$42,824) → program underway
- KDHE OD2A (\$60,000) → program completed
- OD2A Local (\$250,000) → program underway

Anticipated 2024

- OD2A Local (\$250,000) → Year 2 budget approved
- KDHE OD2A (\$60,000) → next agreement underway

Summary

2025 Budget

- No decision package presented this year
- Need to start considering funding for LIMS – will fund with Coverdell one more year

CIP requests

- DNA Addition – considering moving additional disciplines to a second site in close proximity to central building

Discussion

Questions?

Please submit to Shelly.Steadman@sedgwick.gov

Forensic Science Center



Mission: The Forensic Science Center strives to provide the highest quality medicolegal and advanced forensic laboratory services to Sedgwick County. Death Investigation and Forensic Autopsy services are conducted in a compassionate and objective manner to achieve accurate certification of cause and manner of death. The Forensic Laboratory services provide unbiased and accurate analytical testing to support the resolution of criminal cases. As an independent agency operating under the Division of Public Safety, the Forensic Science Center collaborates with public health and criminal justice stakeholders to reduce crime and prevent deaths.