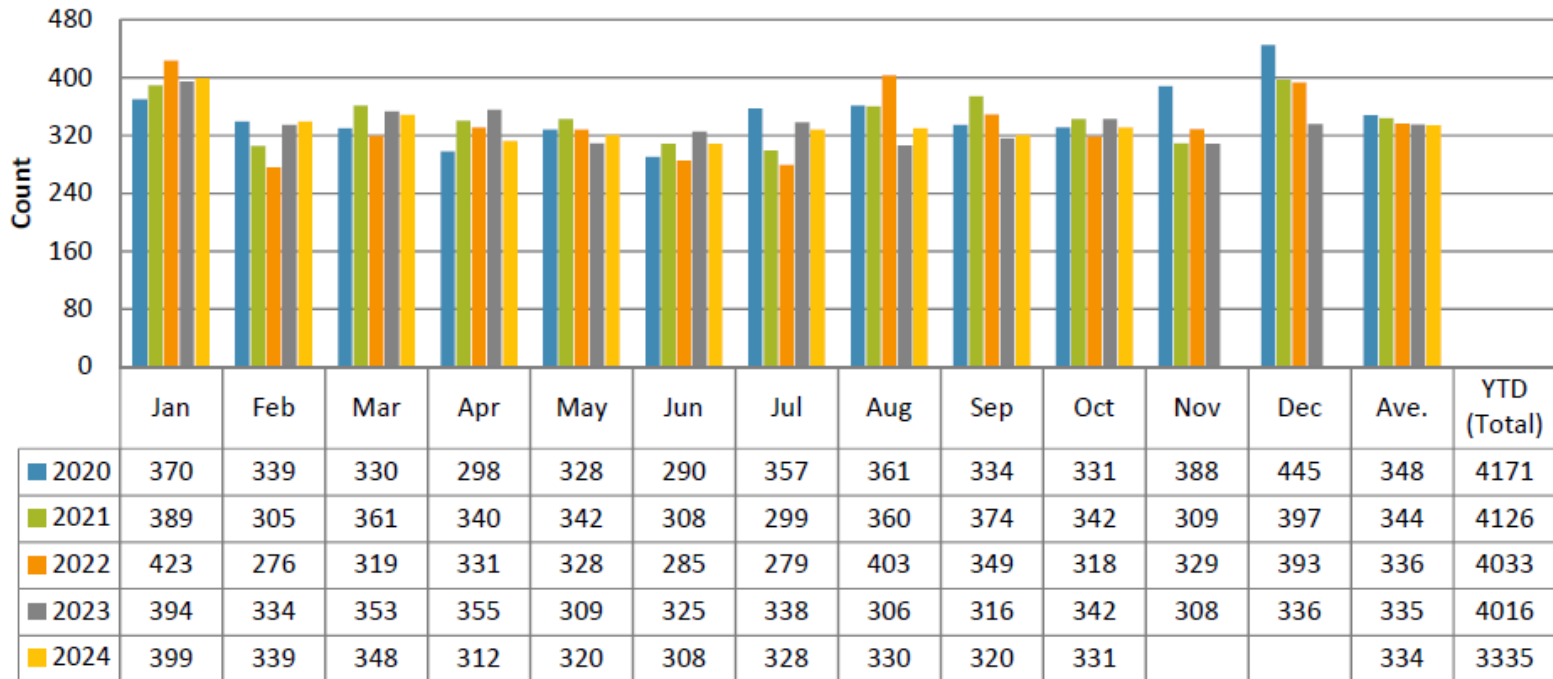


SEDGWICK COUNTY REGIONAL FORENSIC SCIENCE CENTER
Wichita, Kansas

**ADVISORY BOARD QUARTERLY
REPORT
November 21, 2024**

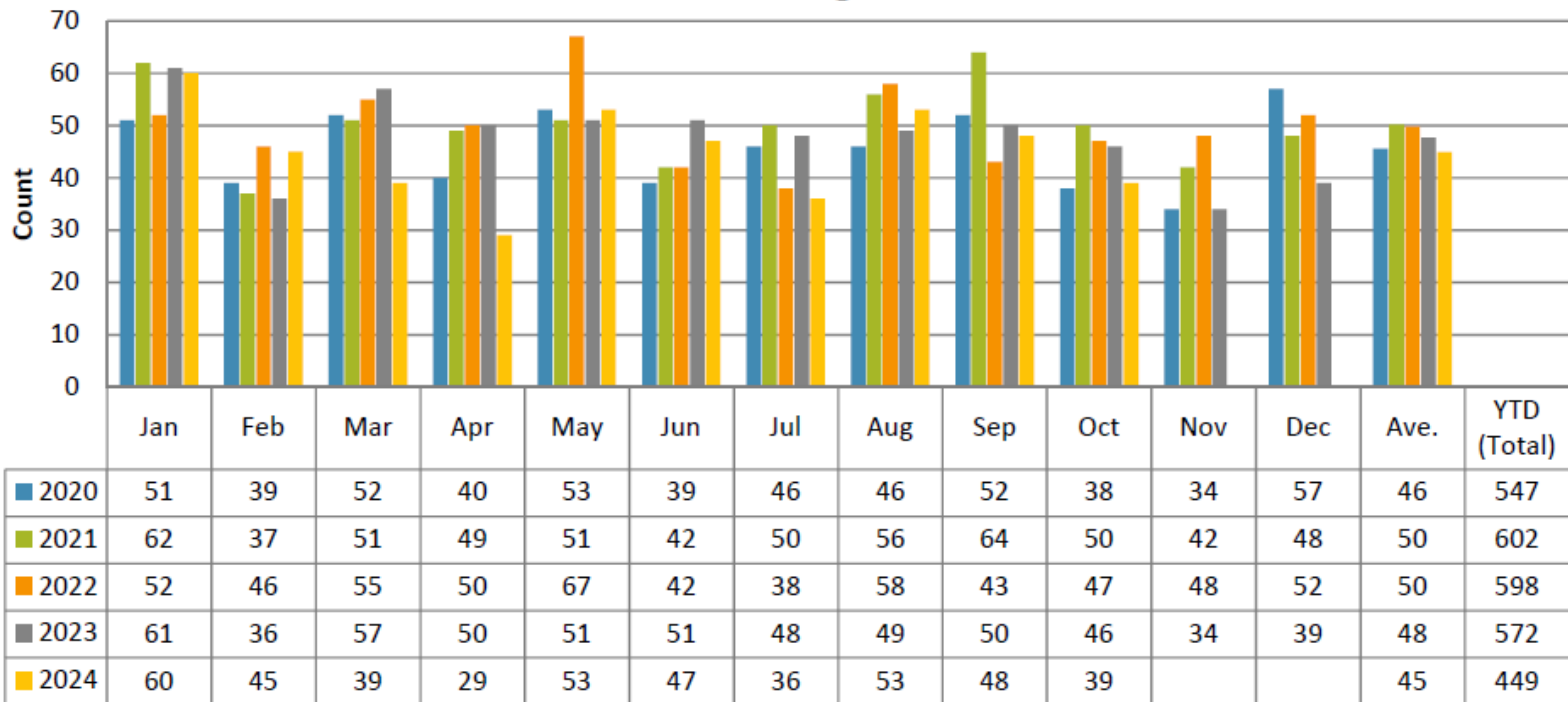
Medical Investigations

Reported Deaths



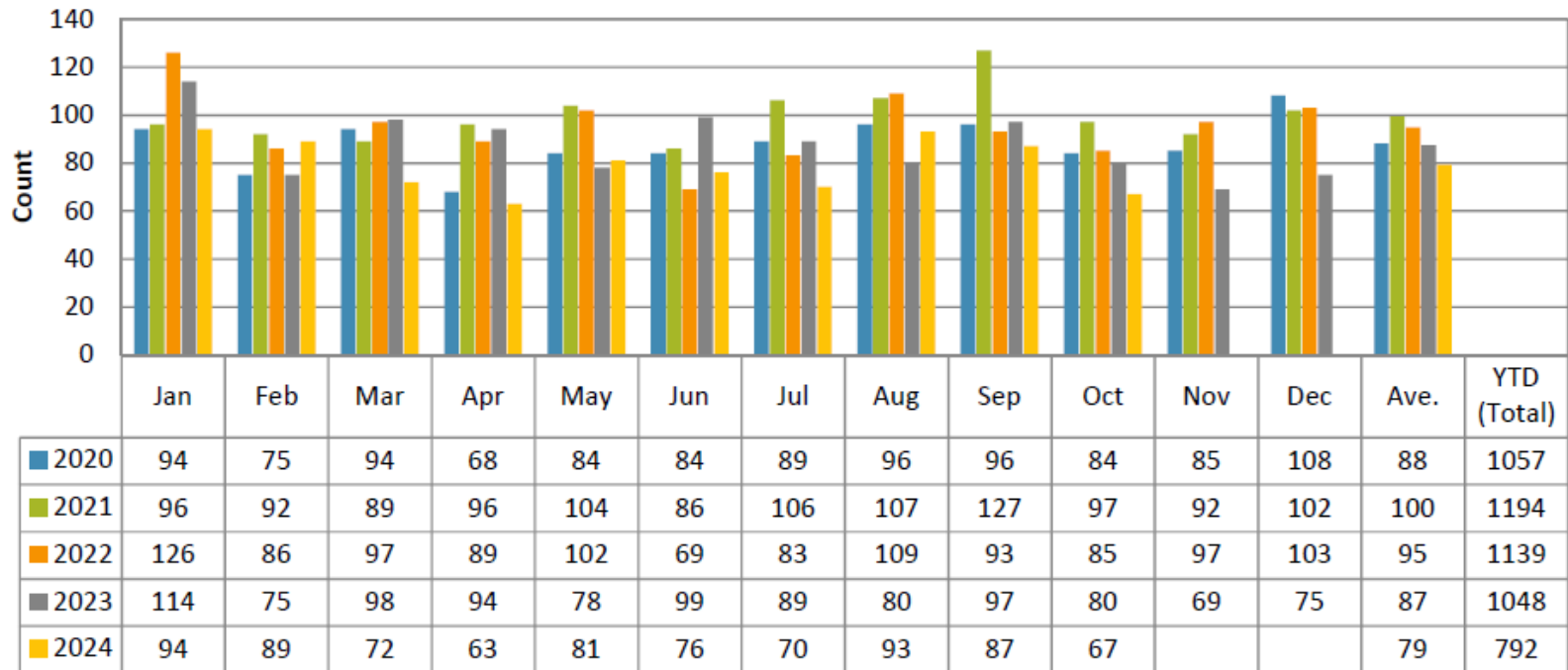
Medical Investigations

Scene Investigations



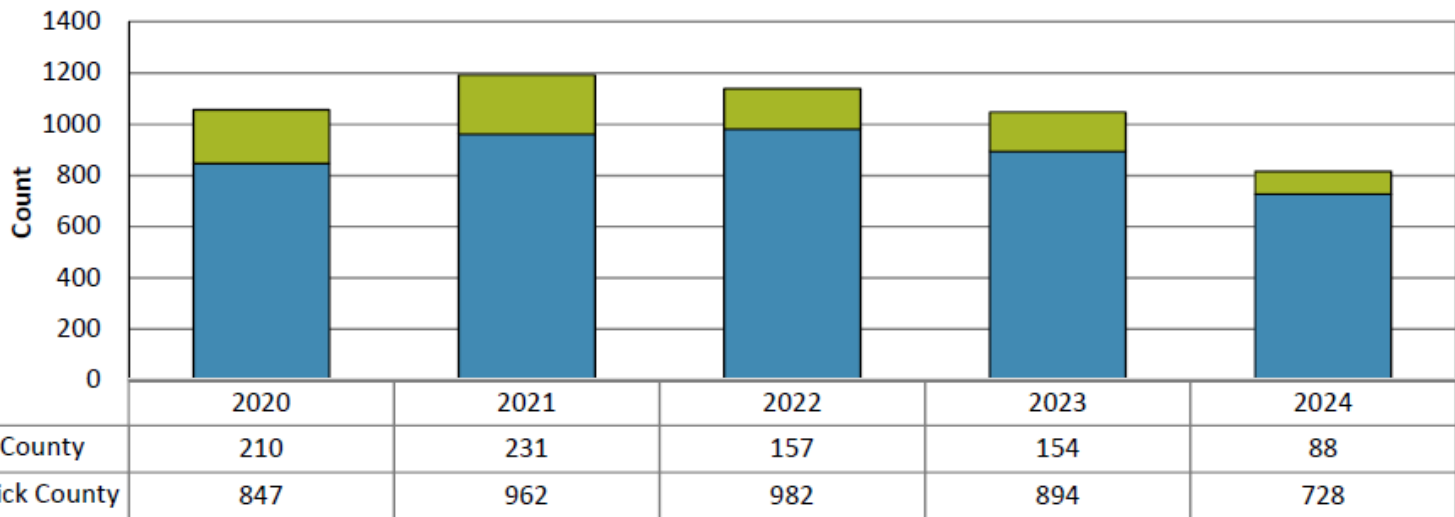
Pathology

Autopsy Cases Received by Death Reported Year



Pathology

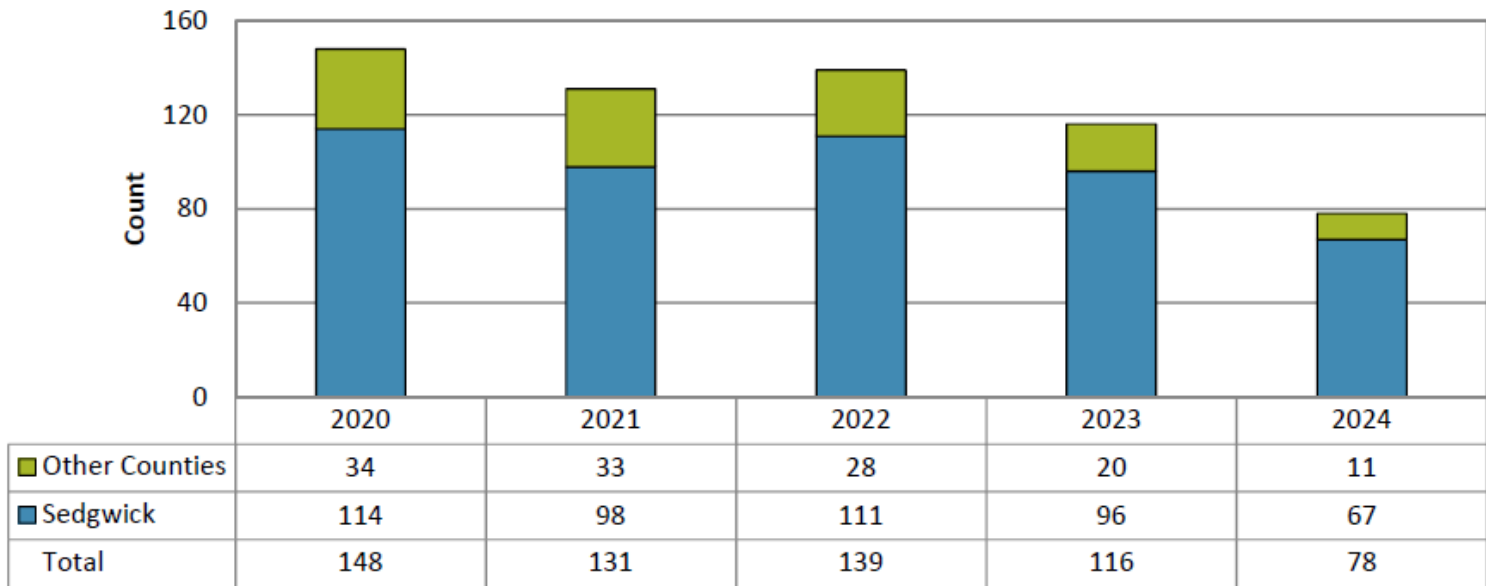
Autopsy Cases Sedgwick County vs. Out of County



2021 = 19% 2022 = 14% 2023 = 15% 2024 = 11%

Pathology

Count of Suicides by Examination Year



14%

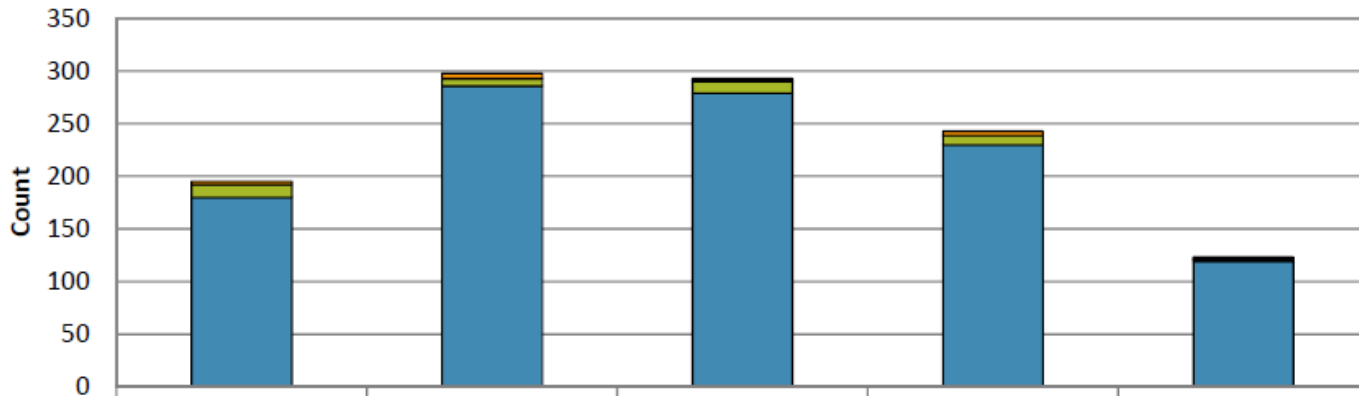
11%

12%

11%

Pathology

Overdose Count by Manner of Death by Death Year



	2020	2021	2022	2023	2024
Other	0	0	2	0	1
Undertermined	3	5	1	4	1
Suicide	12	7	11	9	2
Accidental	180	286	279	230	119
Total	195	298	293	243	123

18%

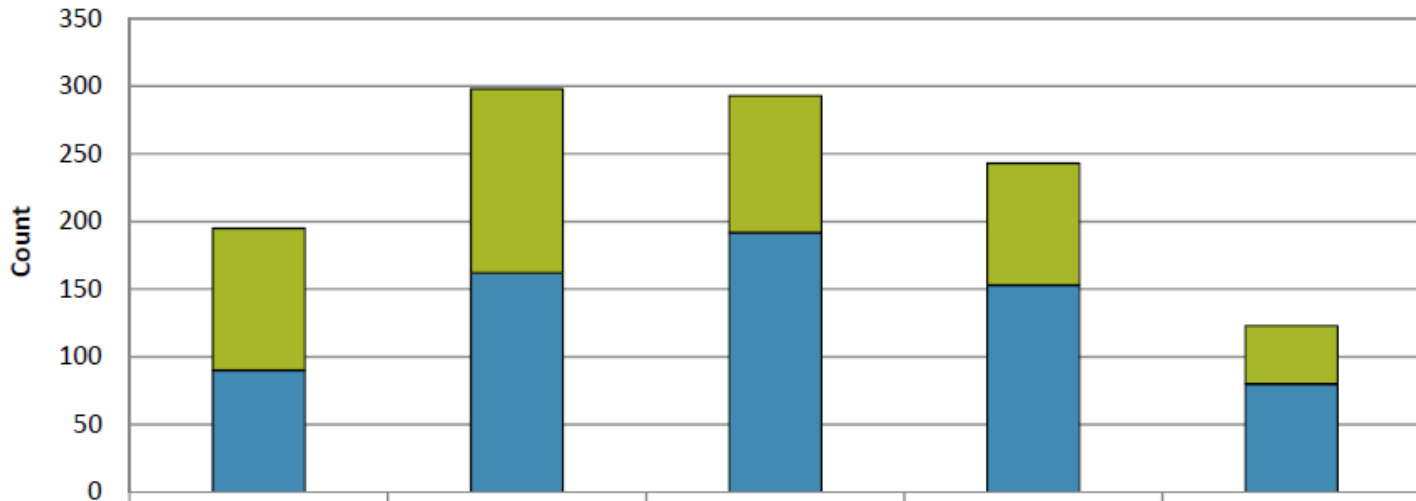
25%

27%

23%

Pathology

Overdose Count: Fentanyl Related vs. Other Drugs



	2020	2021	2022	2023	2024
Other Drugs	105	136	101	90	43
Fentanyl Related	90	162	192	153	80
Total	195	298	293	243	123

46%

54%

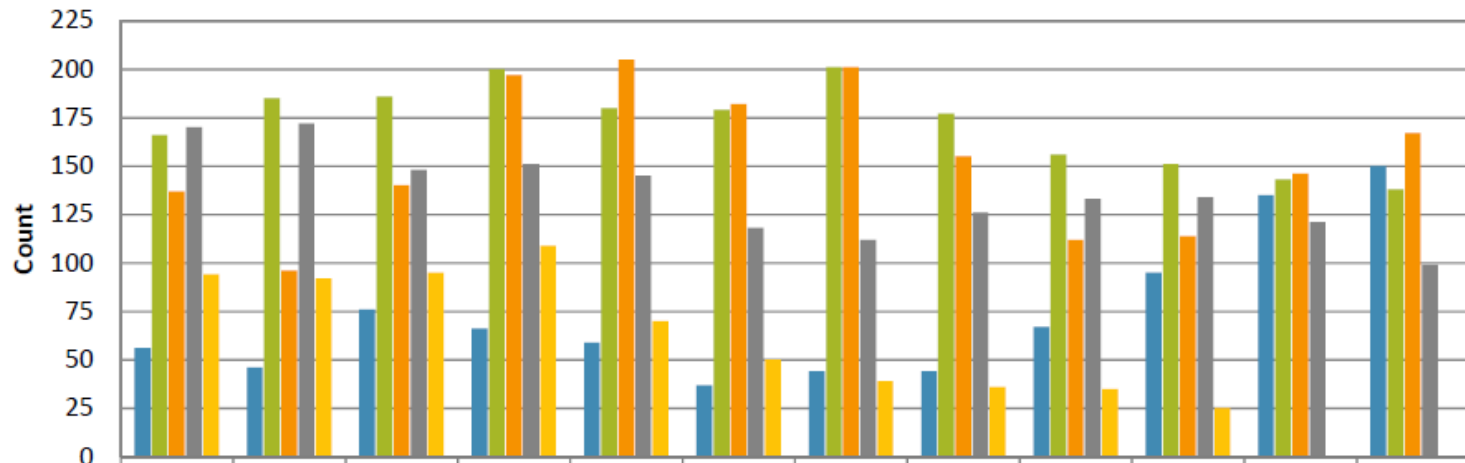
66%

63%

80%

Toxicology

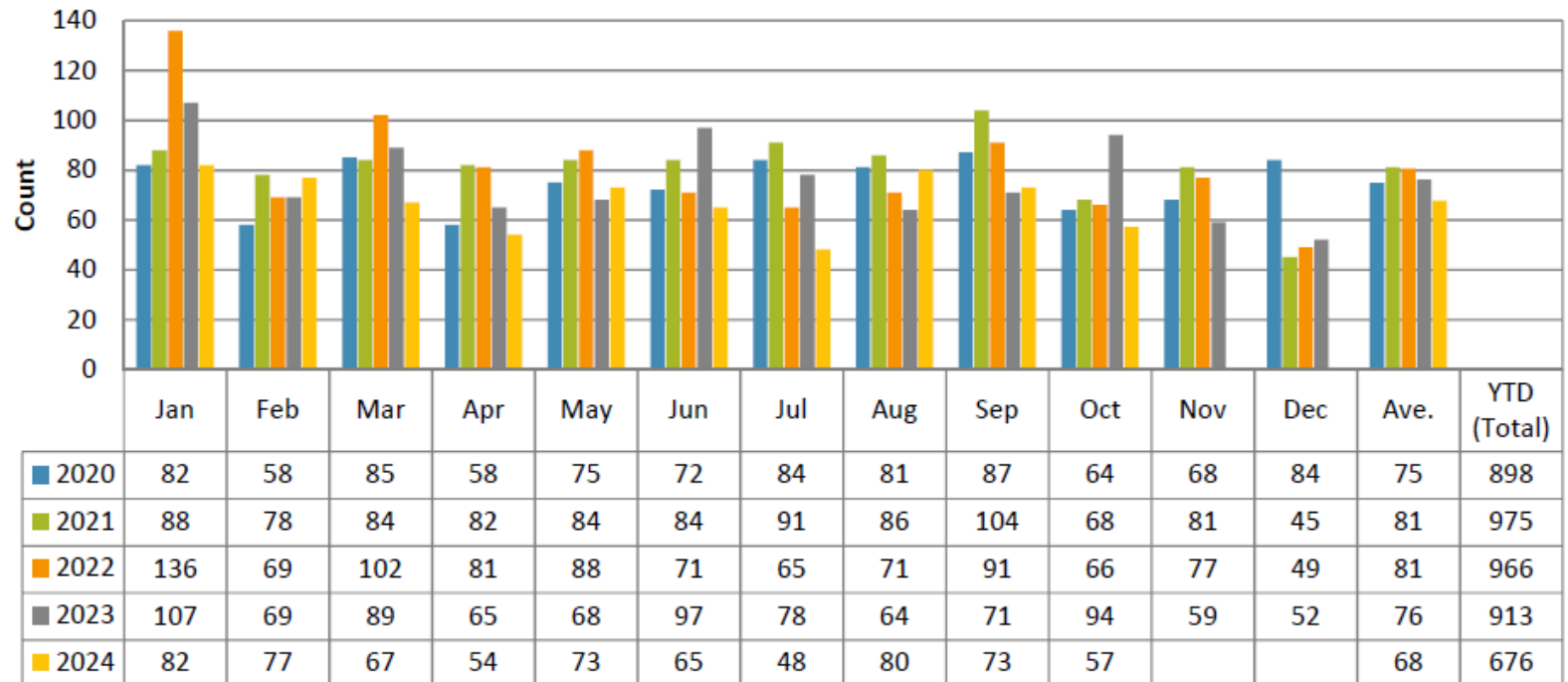
PM - Toxicology Backlog (> 60 Days)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PM ('20)	56	46	76	66	59	37	44	44	67	95	135	150
PM ('21)	166	185	186	200	180	179	201	177	156	151	143	138
PM ('22)	137	96	140	197	205	182	201	155	112	114	146	167
PM ('23)	170	172	148	151	145	118	112	126	133	134	121	99
PM ('24)	94	92	95	109	70	50	39	36	35	25		

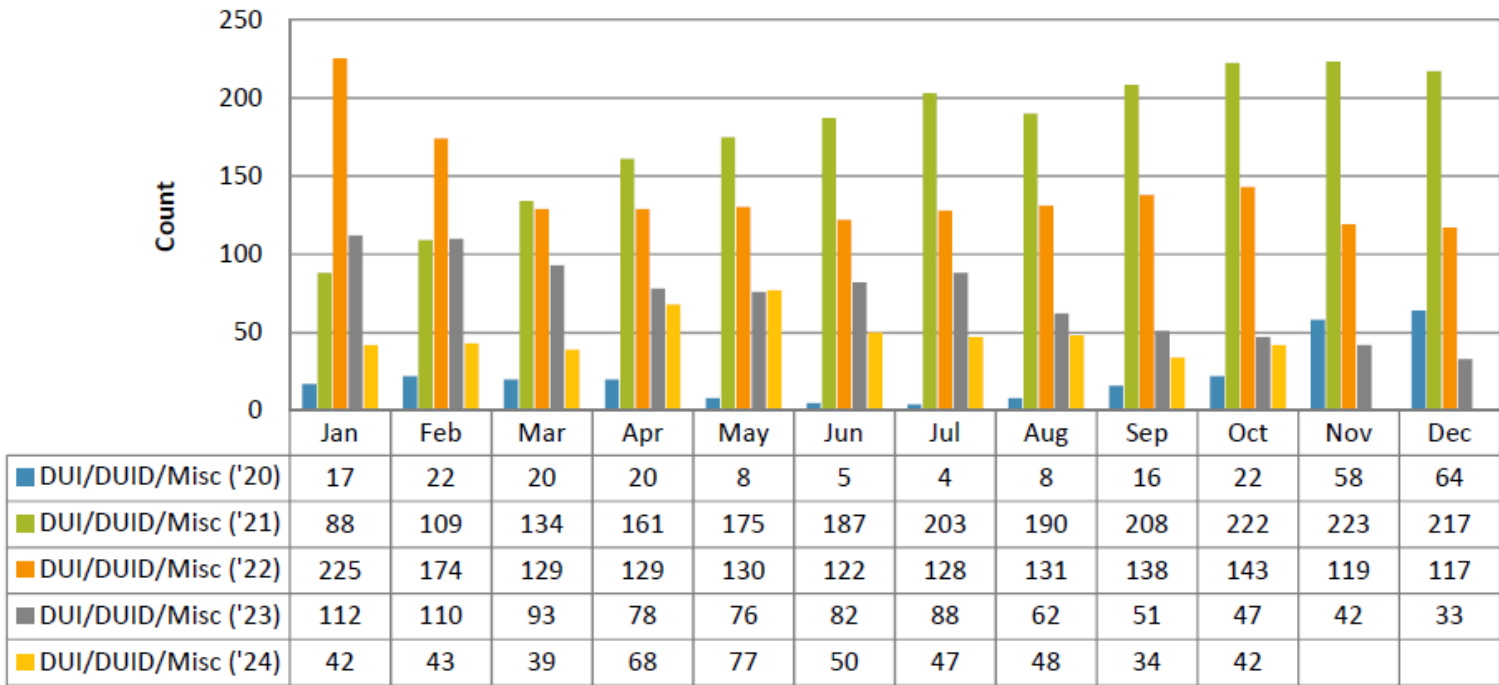
Toxicology

Newly Submitted PM Toxicology Cases



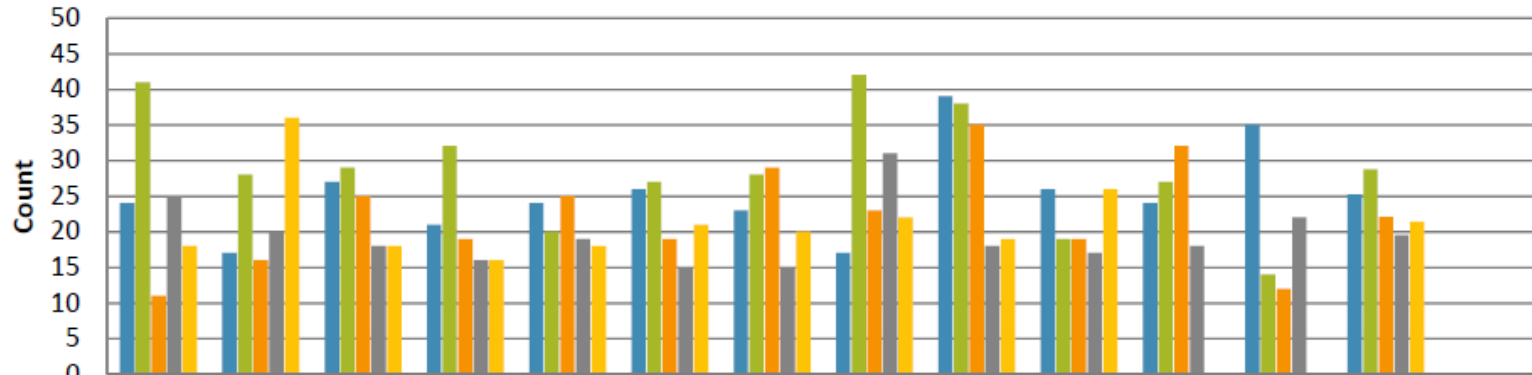
Toxicology

HPT Toxicology Backlog (> 60 Days)



Toxicology

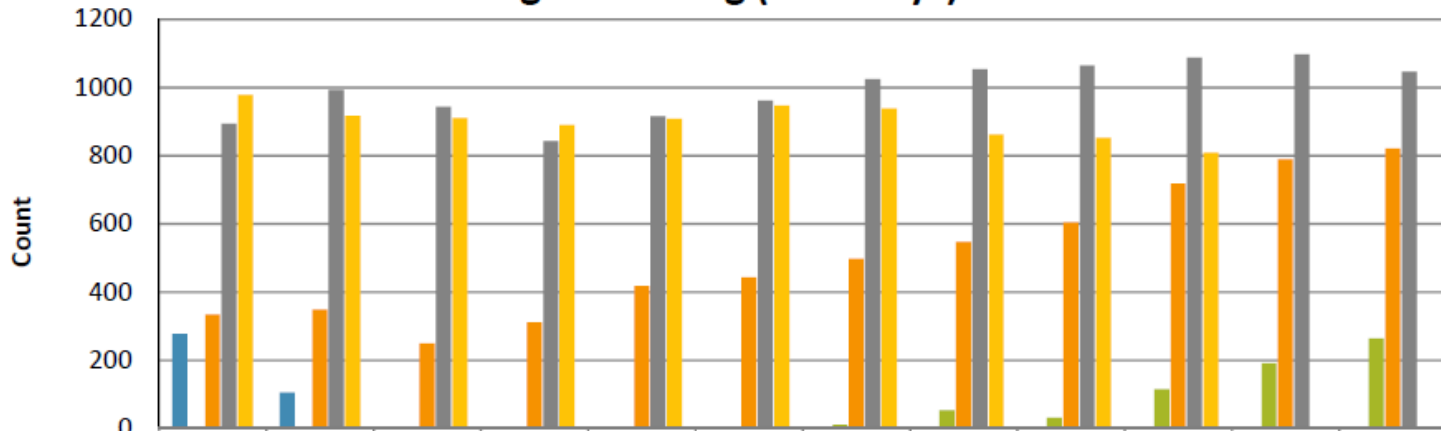
Newly Submitted HPT Toxicology Cases



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ave.	YTD (Total)
2020	24	17	27	21	24	26	23	17	39	26	24	35	25	303
2021	41	28	29	32	20	27	28	42	38	19	27	14	29	345
2022	11	16	25	19	25	19	29	23	35	19	32	12	22	265
2023	25	20	18	16	19	15	15	31	18	17	18	22	20	234
2024	18	36	18	16	18	21	20	22	19	26			21	214

Drug Identification

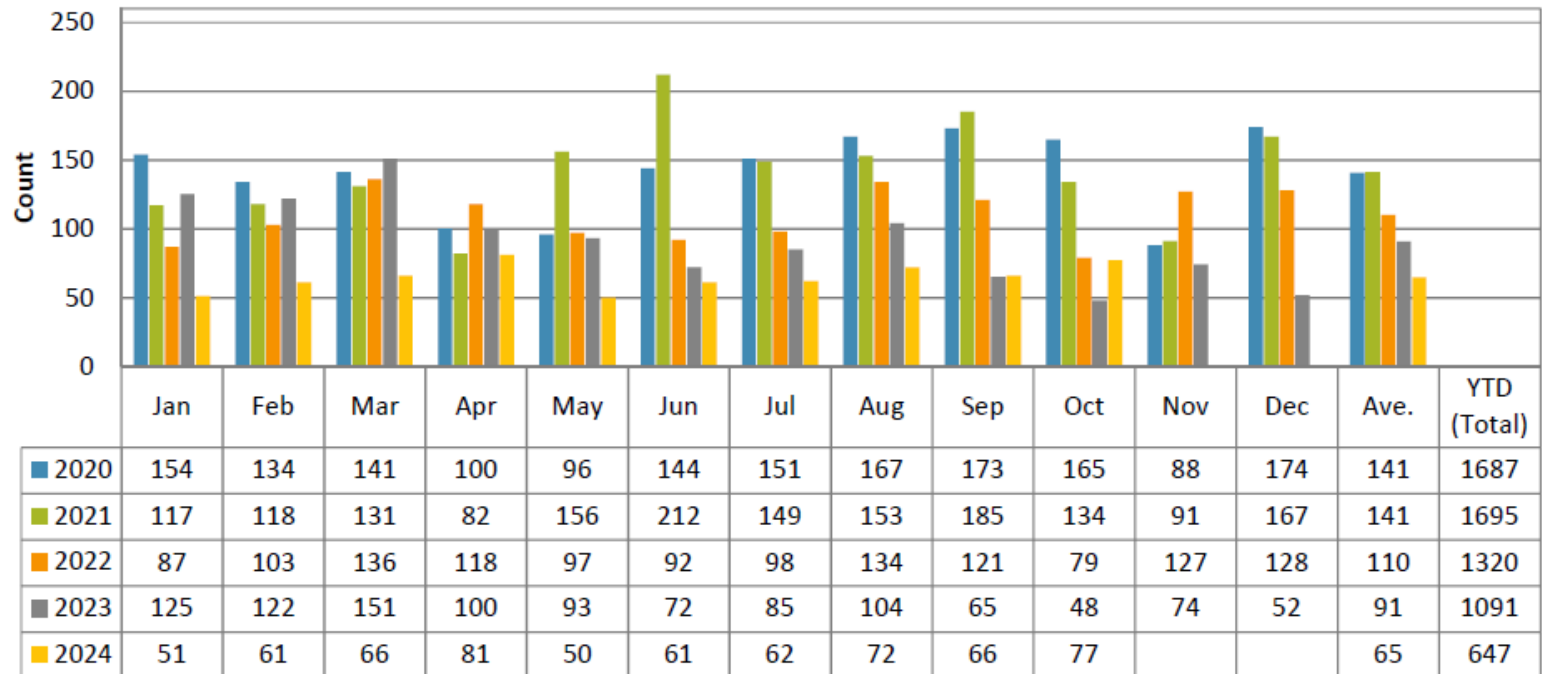
Drug ID Backlog (> 60 Days)



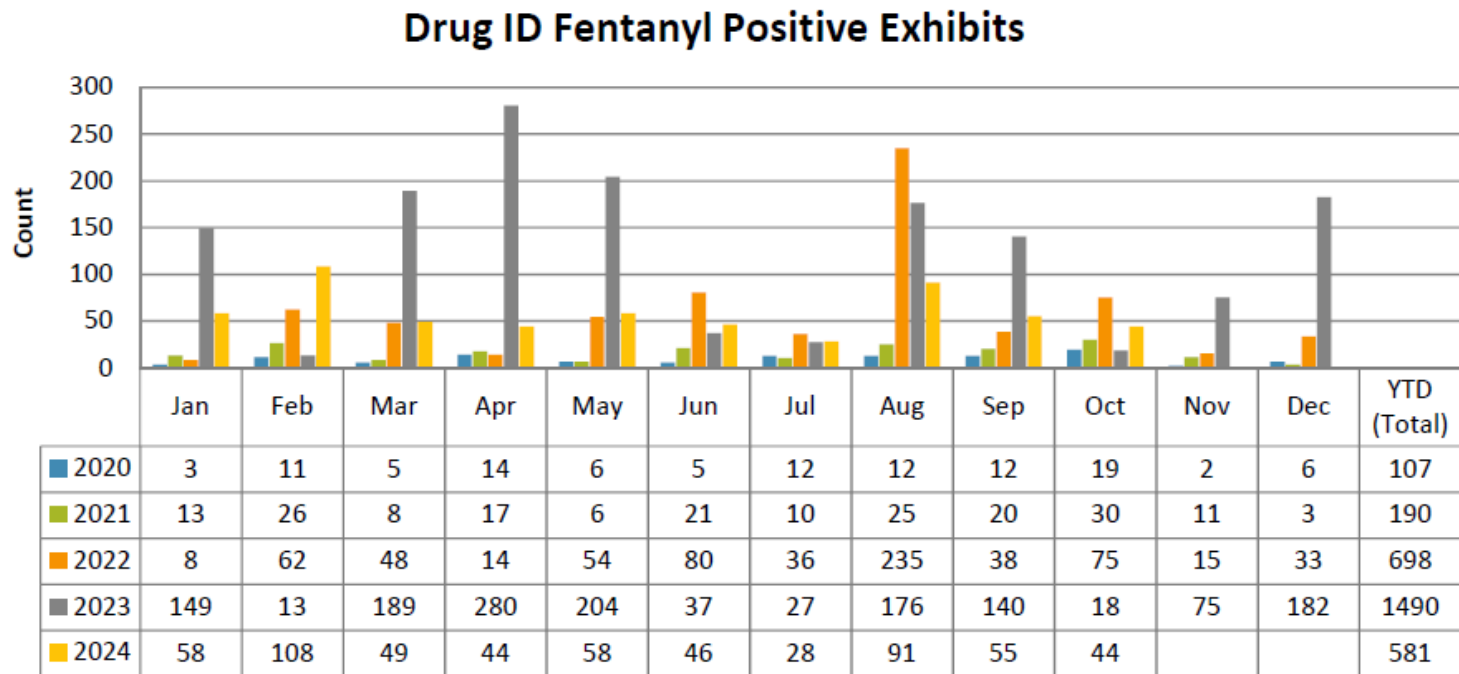
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
> 60 Days ('20)	277	106	4	0	0	0	0	1	3	0	1	0
> 60 Days ('21)	0	1	1	0	2	1	10	53	31	115	191	264
> 60 Days ('22)	333	348	249	311	417	442	498	547	604	718	789	820
> 60 Days ('23)	893	992	942	842	916	960	1024	1053	1064	1087	1097	1046
> 60 Days ('24)	978	917	910	890	908	946	938	862	851	809		

Drug Identification

Newly Submitted Drug ID Cases

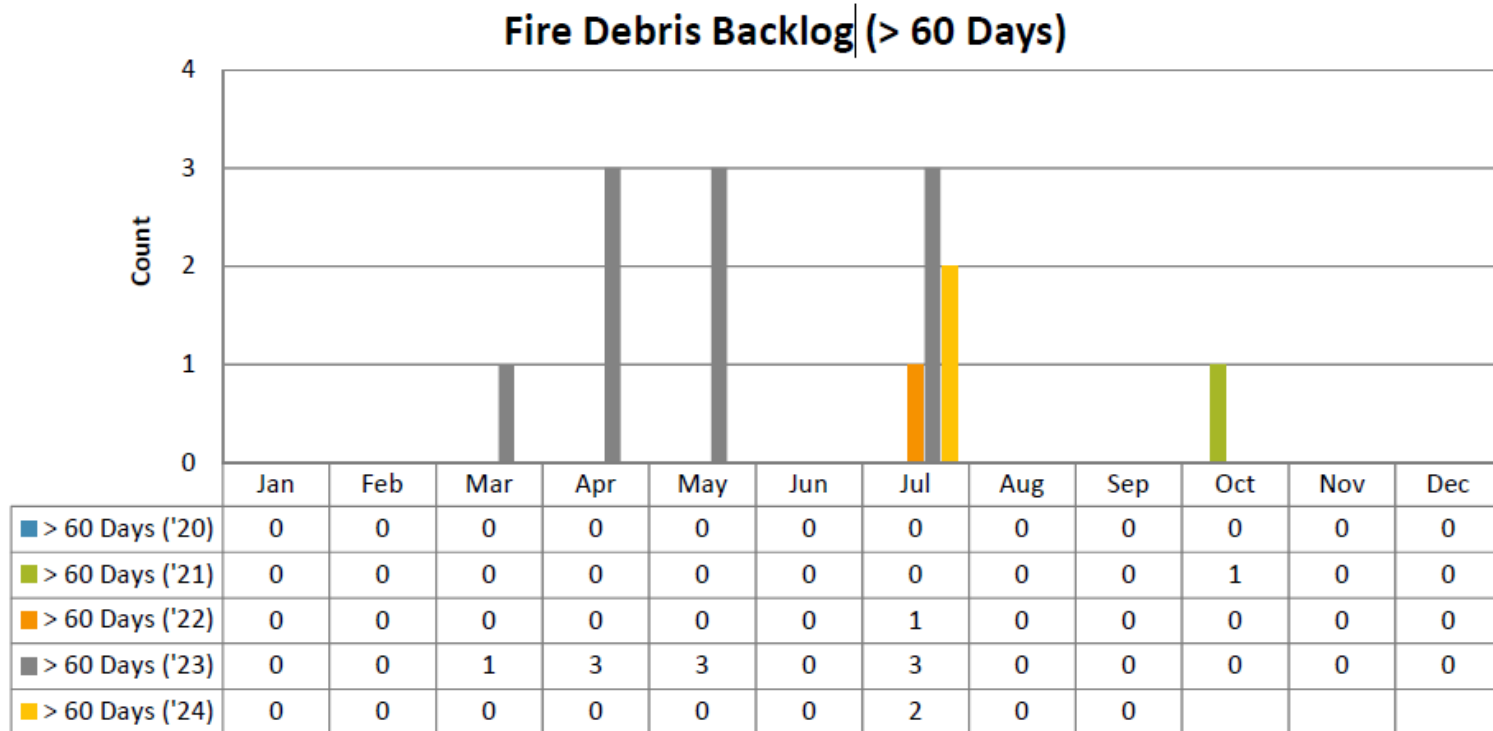


Drug Identification



2023 increased 684% from 2021

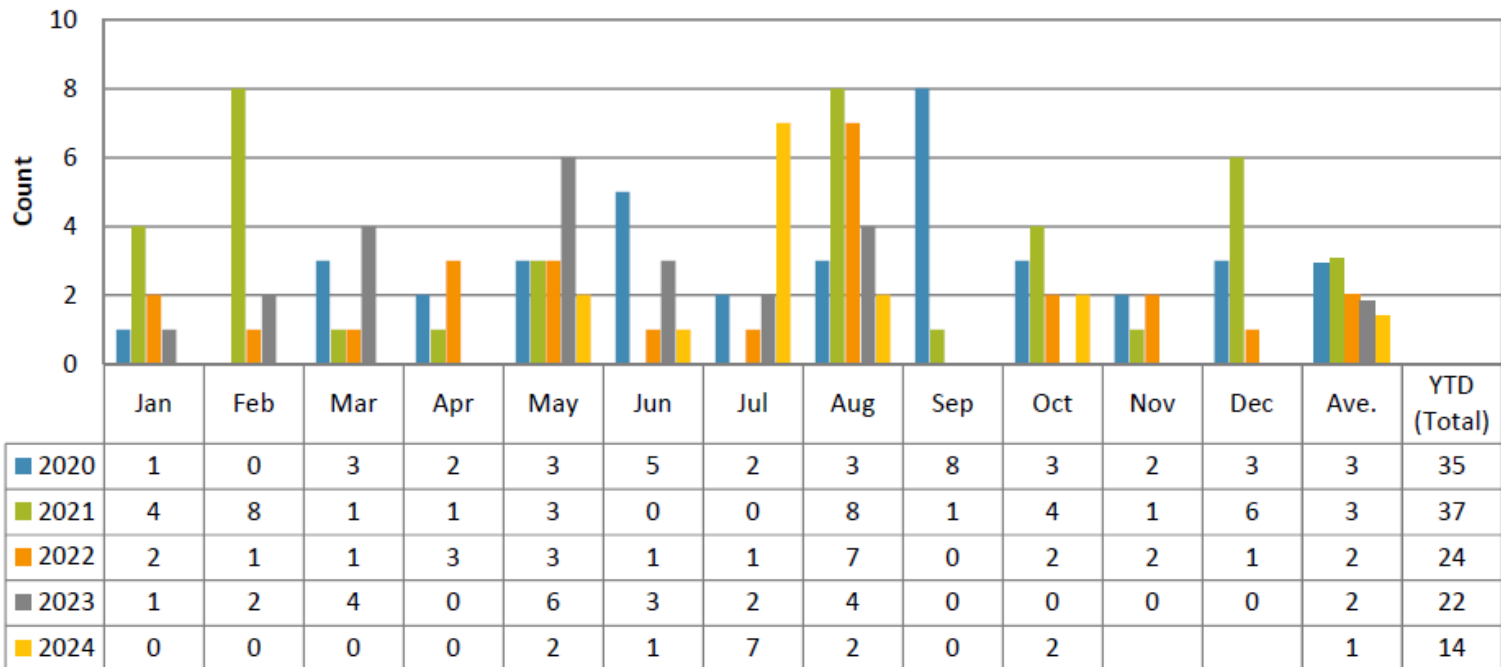
Fire Debris



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

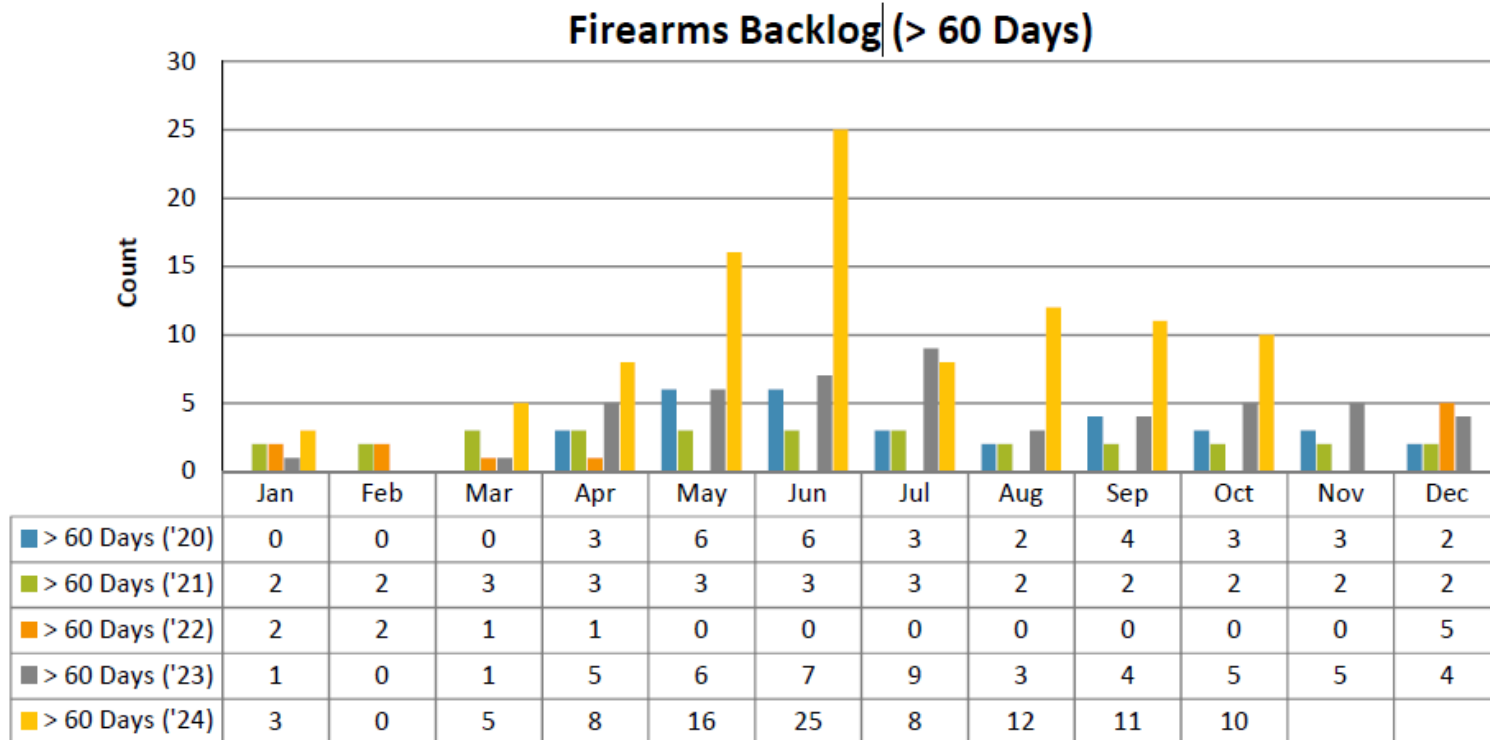
Fire Debris

Fire Debris Cases Submitted



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

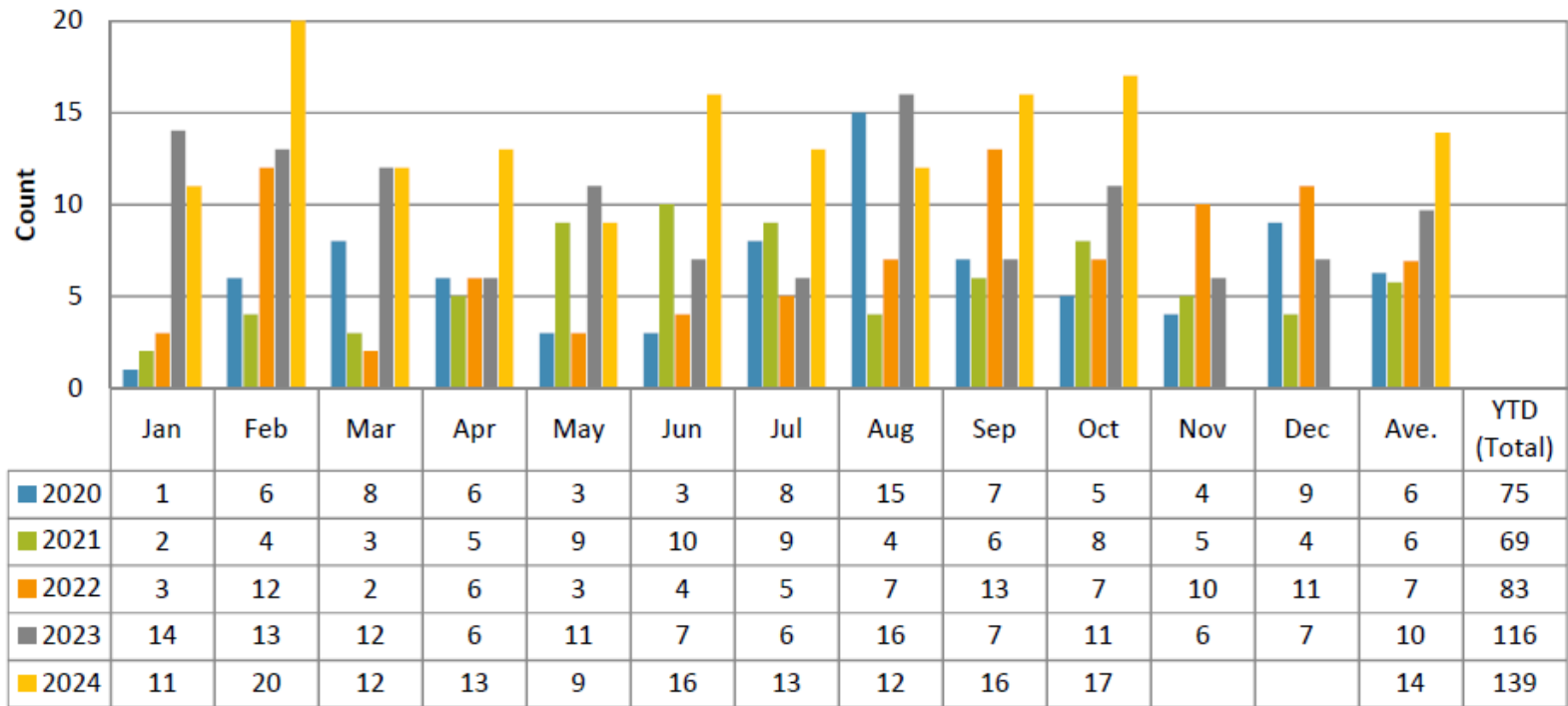
Firearms



Backlogged cases May-August 2023 were awaiting review by a secondary laboratory since RFSC had one fully trained examiner.

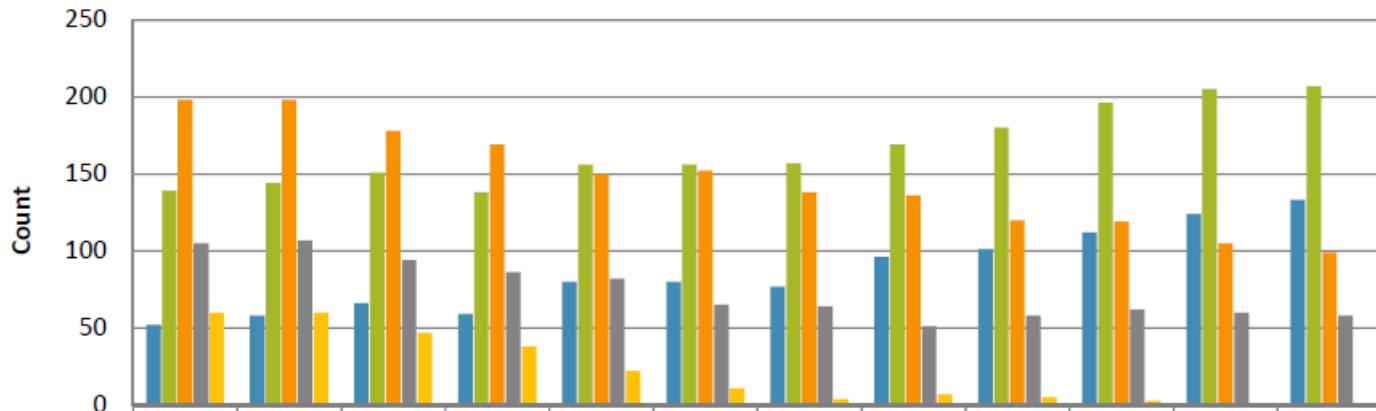
Firearms

All Firearms Case Submissions



Biology / DNA

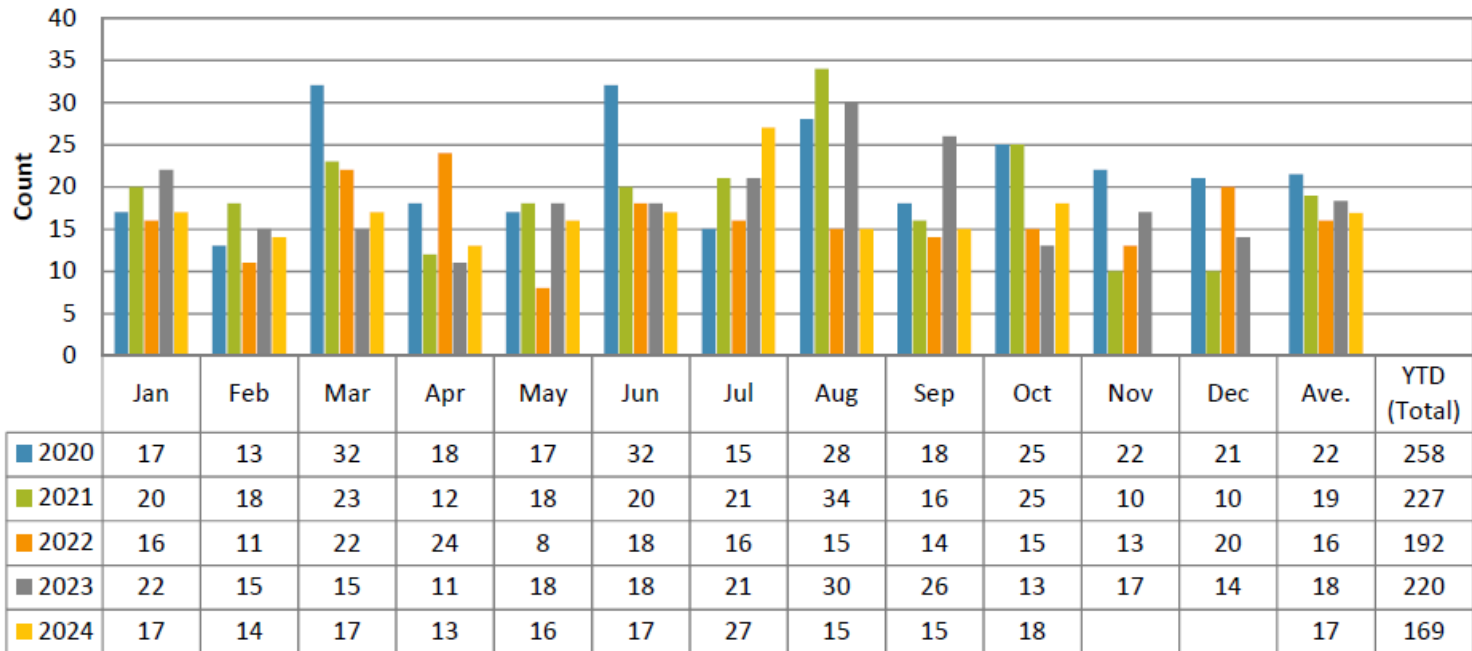
Biology Backlog (> 60 Days)



	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
> 60 Days ('20)	52	58	66	59	80	80	77	96	101	112	124	133
> 60 Days ('21)	139	144	151	138	156	156	157	169	180	196	205	207
> 60 Days ('22)	198	198	178	169	150	152	138	136	120	119	105	99
> 60 Days ('23)	105	107	94	86	82	65	64	51	58	62	60	58
> 60 Days ('24)	60	60	47	38	22	11	4	7	5	3		

Biology / DNA

Newly Submitted Biology/DNA Cases



Summary

Quarterly Summary:

- Both LC-MS/MS instrument validations continuing and entering into our final year of Coverdell funded outsourcing in Tox.
- Land acquisition for DNA addition is on hold – space study is completed, cost estimation underway.
- Staffing has remained fairly stable, a second fully trained Firearms Examiner was on-boarded August 19, 2024
- Laboratory staff spent 2 weeks performing an internal audit to prepare for our ANAB surveillance assessment.
- The ANAB surveillance audit resulted in no findings of non-conformity.

Summary

Quarterly Summary OD2A:

- OD2A funded position is testing drugs and paraphernalia from scenes as well as other illicit drug casework.
- Medical Investigations have collected drugs and/or paraphernalia at 88 scenes since starting project December 1, 2023.
- Drug paraphernalia testing is caught up (435 items), some technical reviews of data ongoing (~20 cases).
- Results are posted on RFSC website.
- Have begun data sharing with CDC as pilot for developing data coding processes.

Summary

Substance Identified	Number of Substances
Methamphetamine	147
Fentanyl	89
No Controlled Substances	75
4-ANPP/ANPP	69
Not Tested	69
Cocaine	60
THC (Delta 9)	35
Amphetamine	28
o/m/p-Fluorofentanyl	9
Heroin	7
B/2'/3'/4'-Methyl acetyl fentanyl	7
THC (Delta 8)	4
Bromazolam	3
Carfentanil	2
MDMB-en-PINACA	2
Total	622

Scenes Processed

88

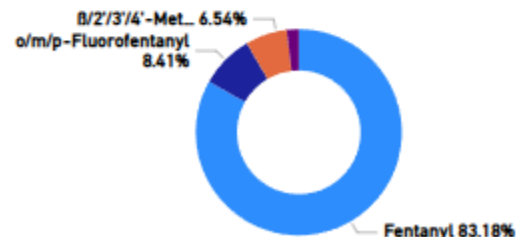
Scenes Analyzed

67

Items Confirmed

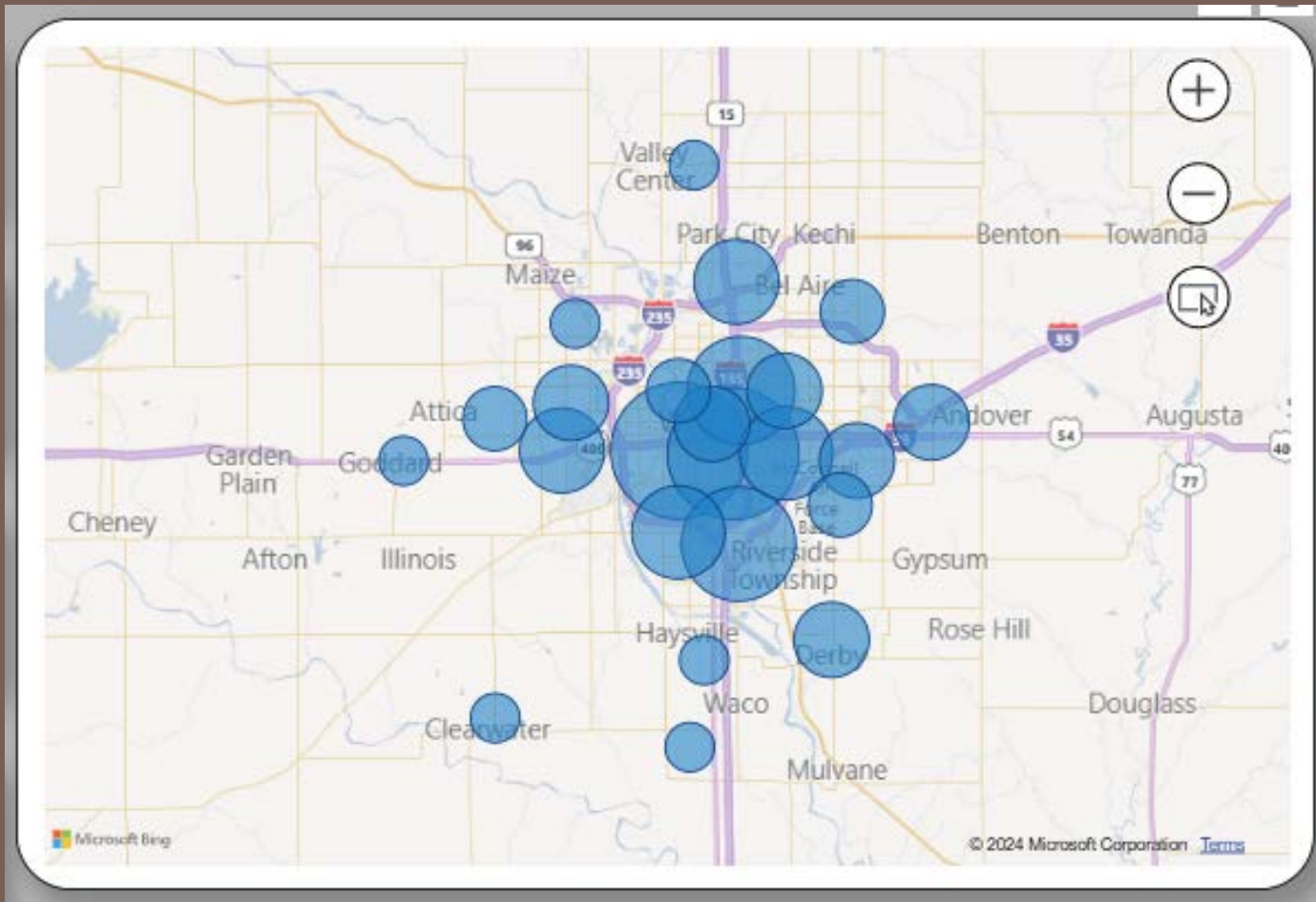
435

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 in progress
- Coverdell Formula (\$84,769) → application submitted
- CEBR (\$294,461) → award notification received, budget revision in review (\$7,557 reduction)
- JAG (\$39,721) → grant application submitted
- OD2A Local (\$250,000) → program underway

New or Renewed in 2024-2025

- OD2A Local (\$250,000) → Year 2 budget approved
- KDHE OD2A (\$64,158) → renewed agreement executed
- Kansas Fights Addiction (\$68,400) → application submitted

Summary

2025 Budget

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

CIP requests

- DNA Addition – considering moving additional disciplines to a second site in close proximity to central building, cost is currently being determined

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.