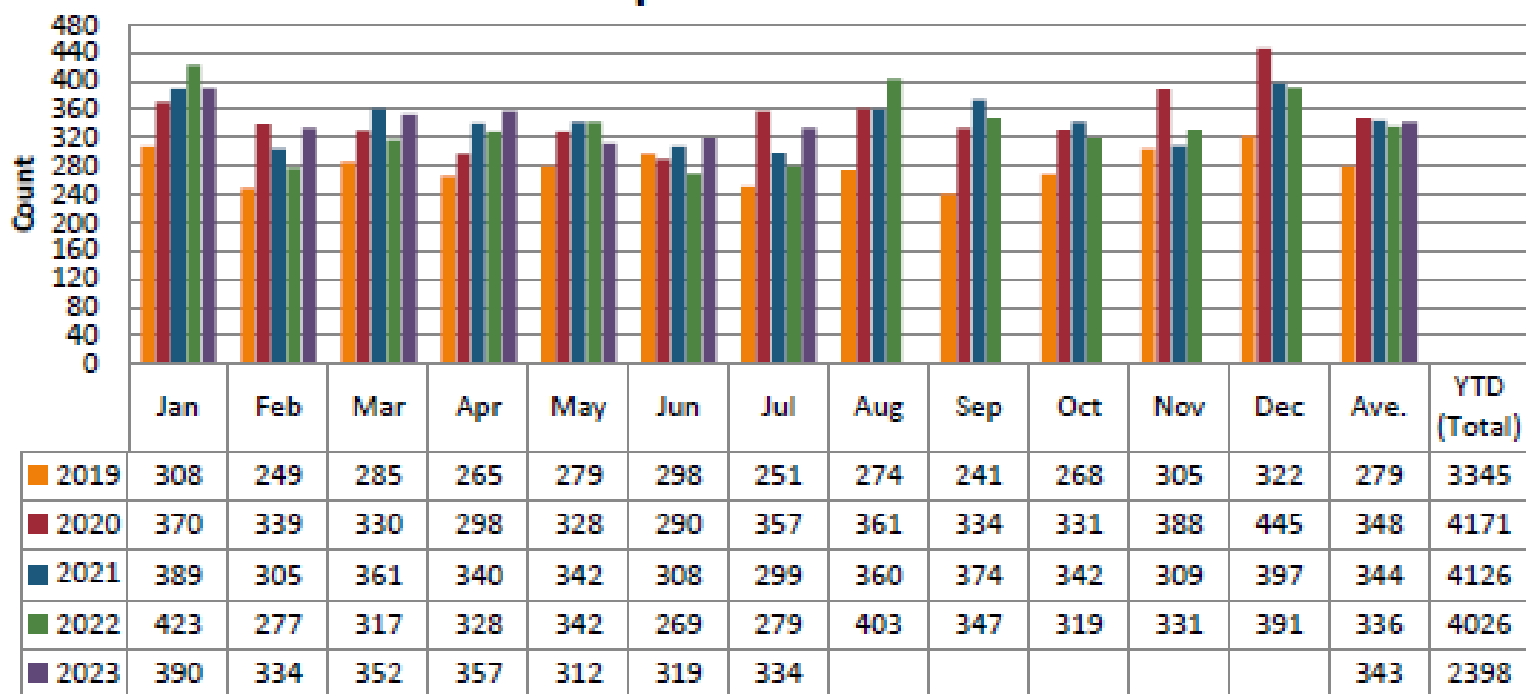


SEDGWICK COUNTY REGIONAL FORENSIC SCIENCE CENTER
Wichita, Kansas

**ADVISORY BOARD QUARTERLY
REPORT
August 17, 2023**

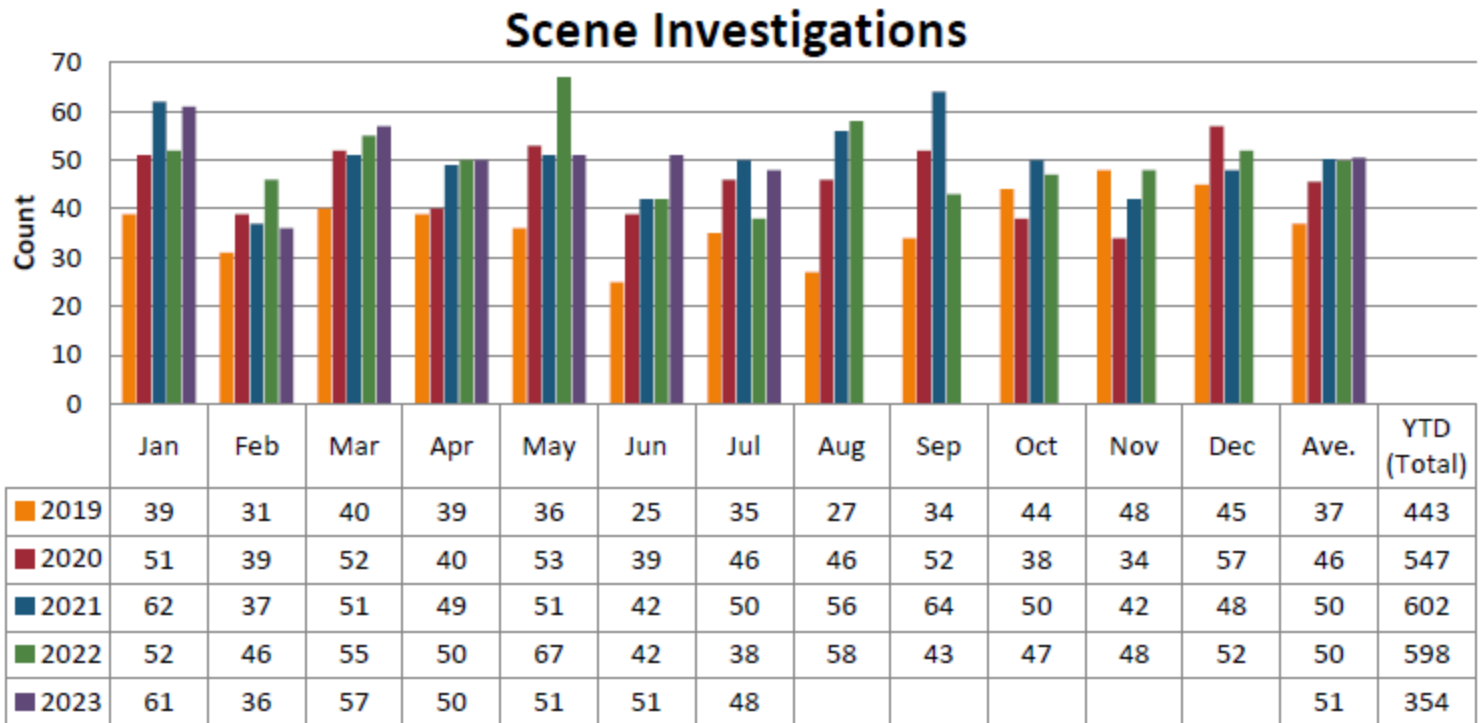
Medical Investigations

Reported Deaths



2019-2022: up 20%

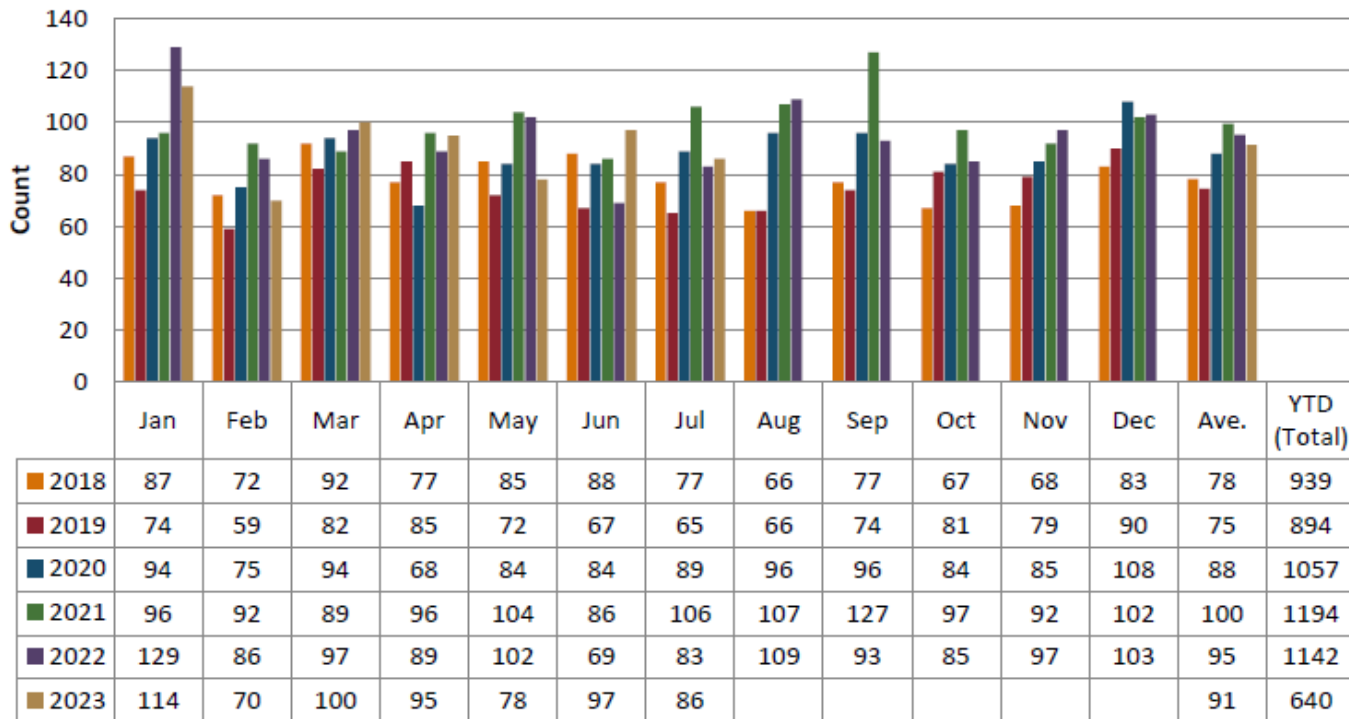
Medical Investigations



2019-2022: up 35%

Pathology

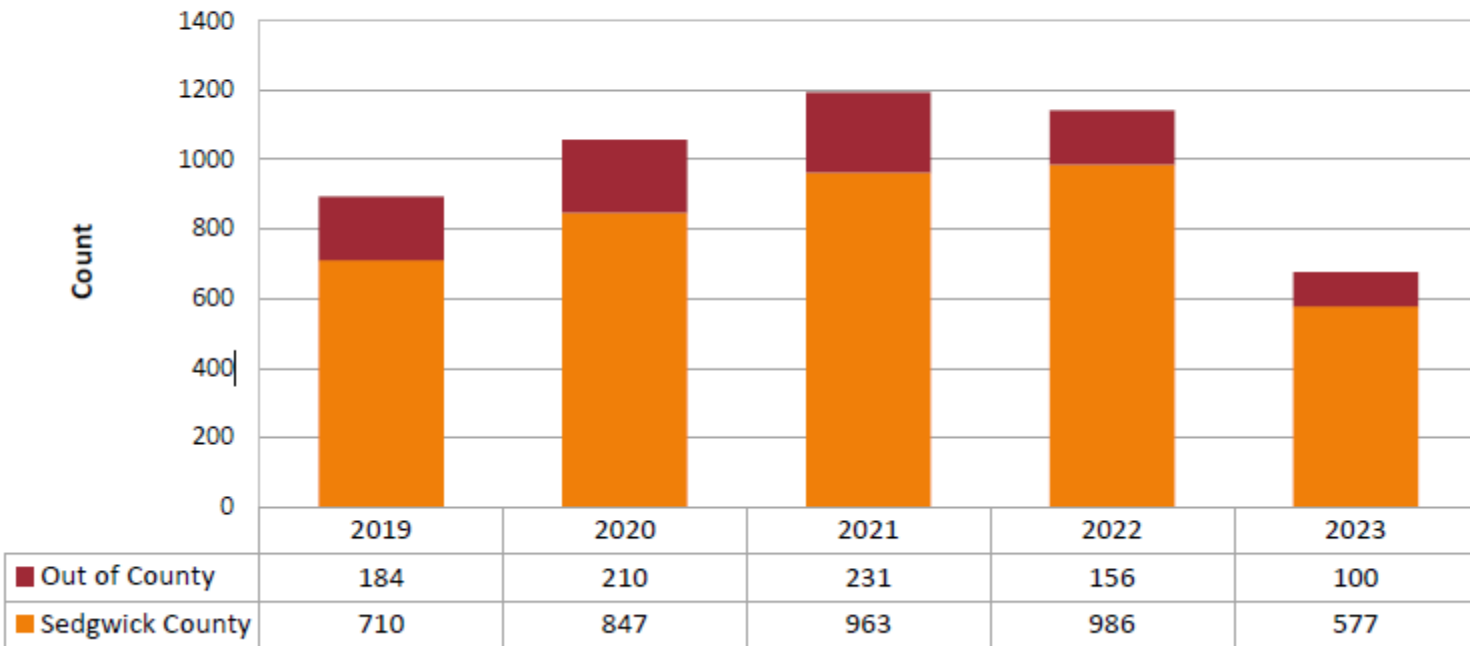
Autopsy Cases Received by Death Reported Year



2019-2022: up 28%

Pathology

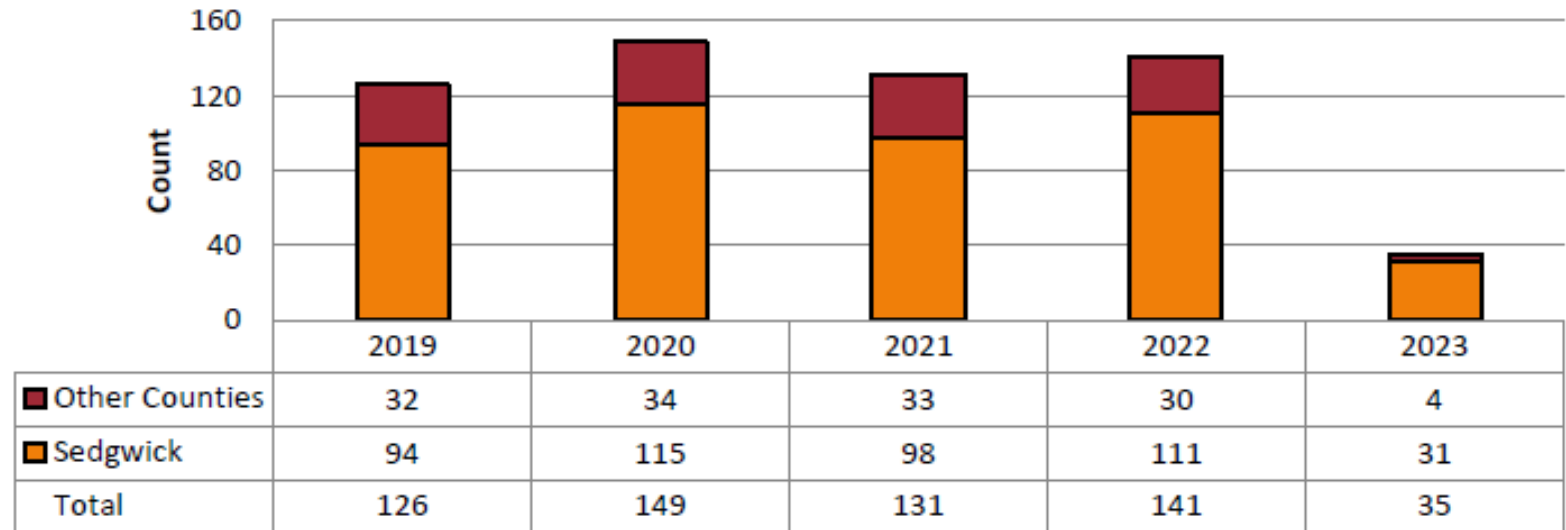
Autopsy Cases Sedgwick County vs. Out of County



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

Pathology

Count of Suicides by Examination Year



14%

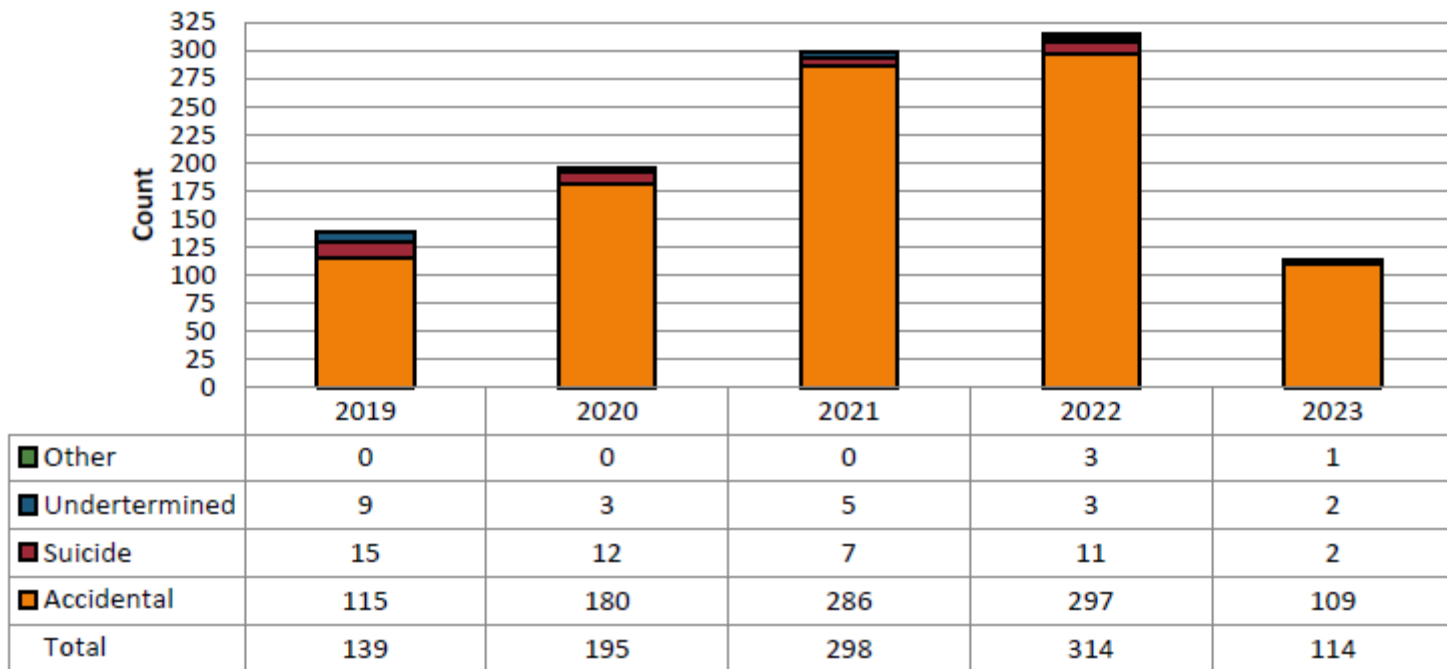
14%

11%

12%

Pathology

Overdose Count by Manner of Death by Death Year



16%

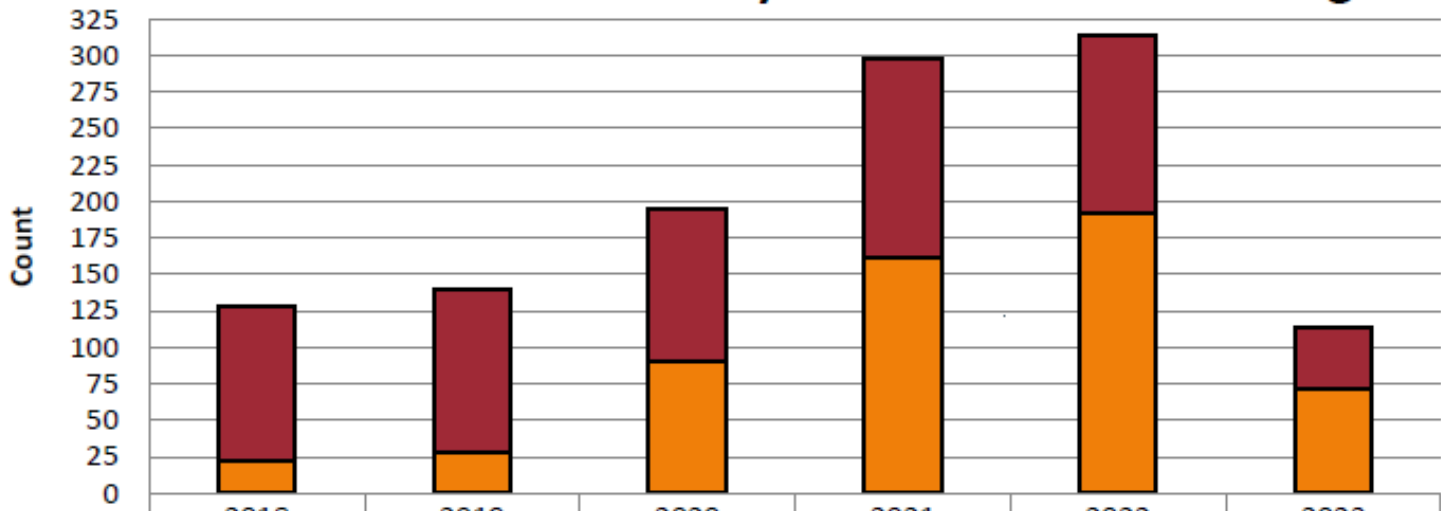
18%

25%

27%

Pathology

Overdose Count: Fentanyl Related vs. Other Drugs



■ Other Drugs	105	111	105	136	122	43
■ Fentanyl Related	23	28	90	162	192	71
Total	128	139	195	298	314	114

20%

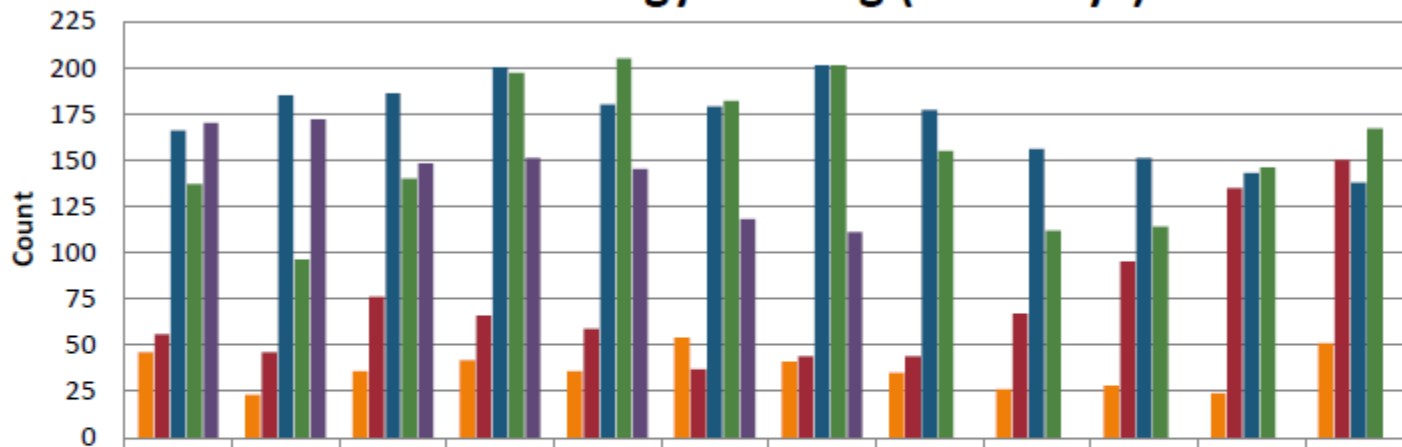
46%

55%

61%

Toxicology

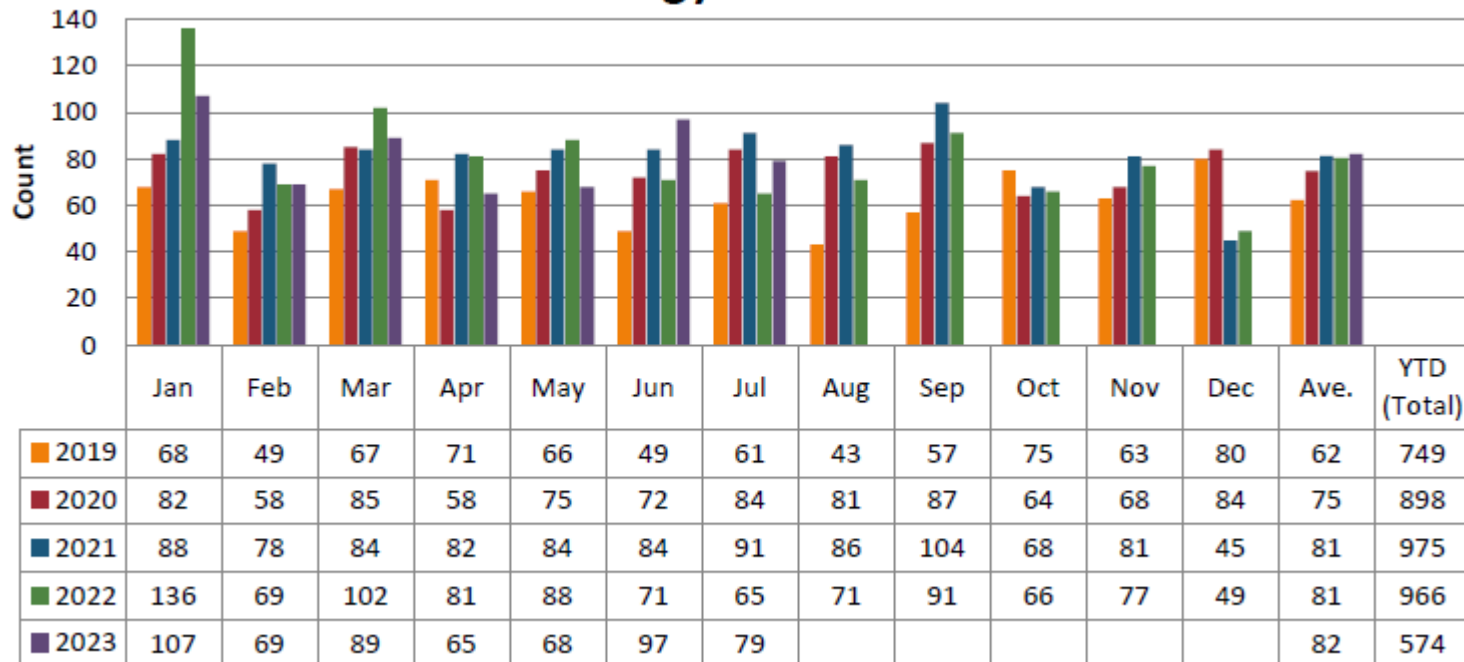
PM - Toxicology Backlog (> 60 Days)



PM ('19)	46	23	36	42	36	54	41	35	26	28	24	51
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	111					

Toxicology

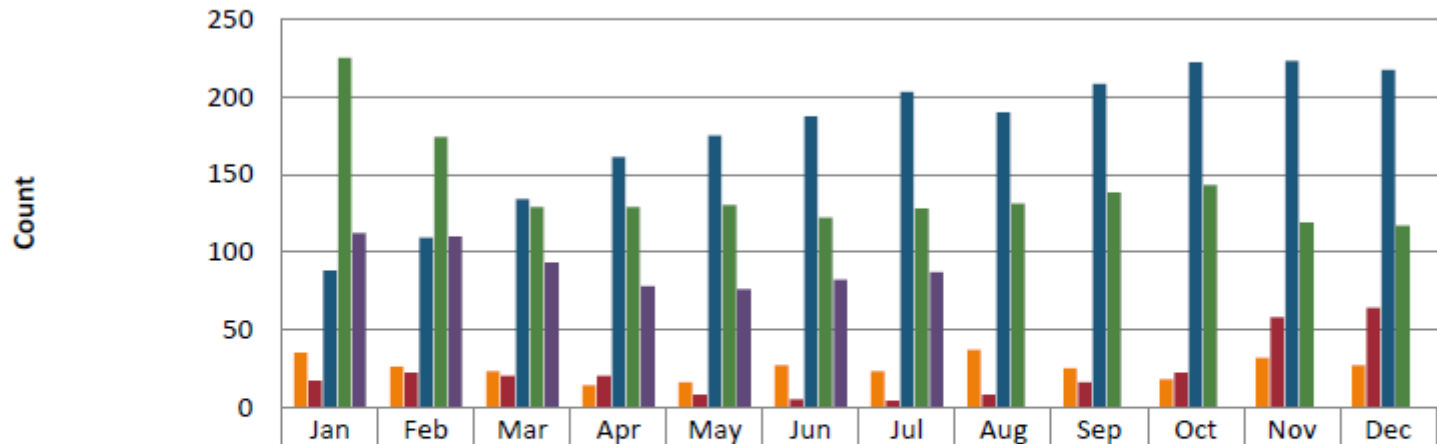
PM Toxicology Cases Submitted



2019 – 2022= 29%

Toxicology

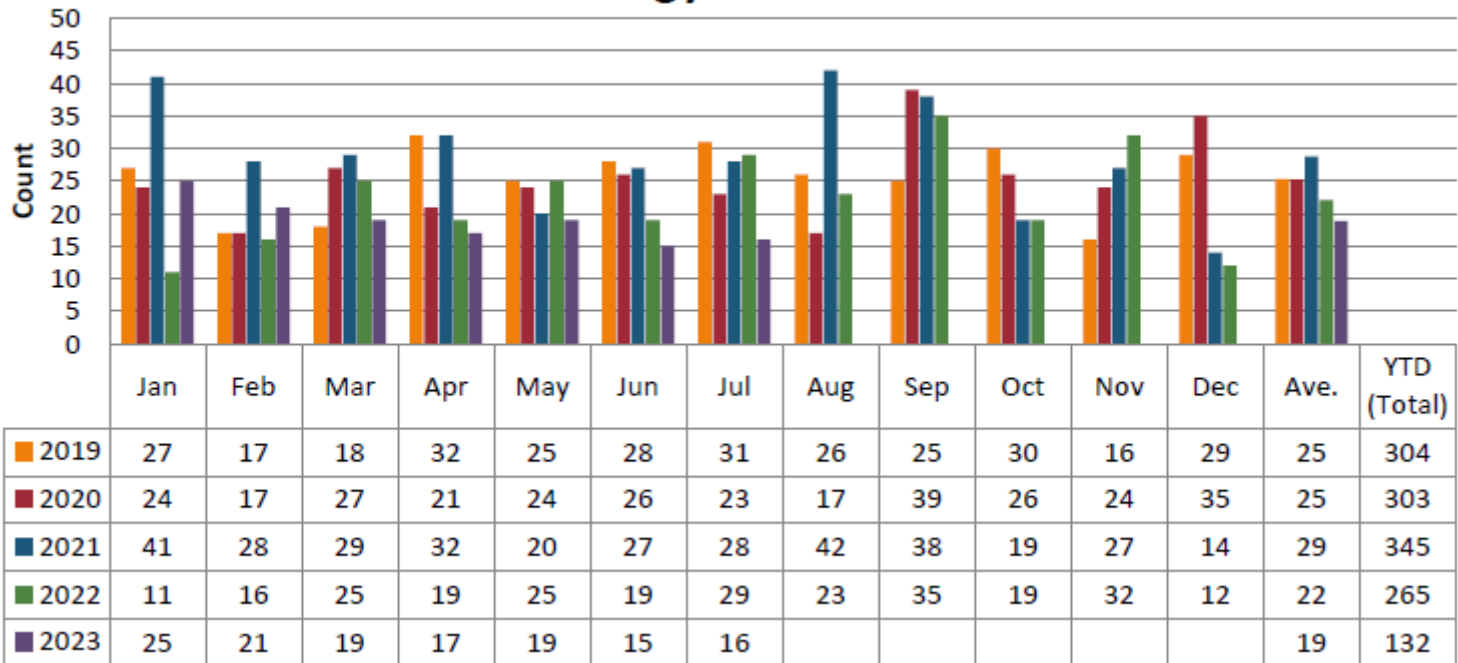
HPT Toxicology Backlog (> 60 Days)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
DUI/DUID/Misc ('19)	35	26	23	14	16	27	23	37	25	18	32	27
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	87					

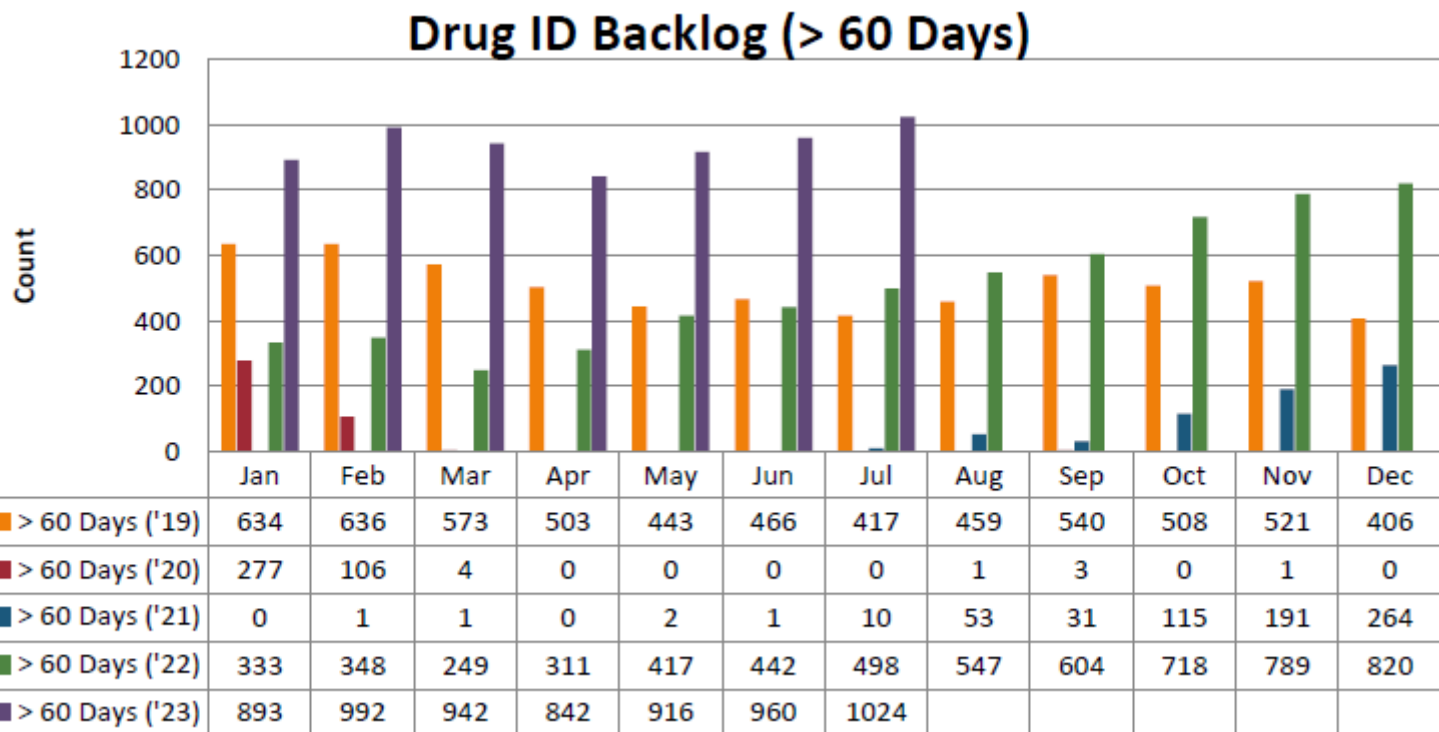
Toxicology

HPT Toxicology Cases Submitted



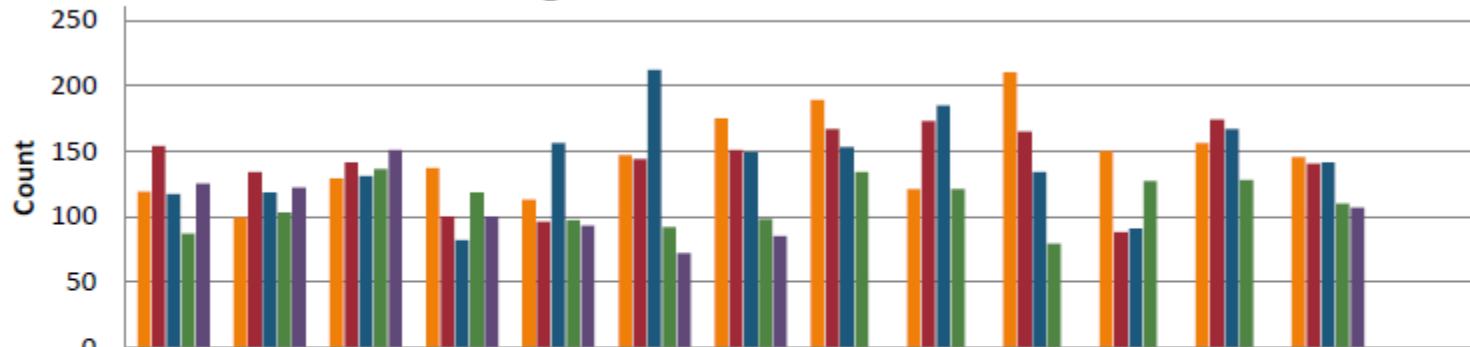
2019 – 2021 = -13%

Drug Identification



Drug Identification

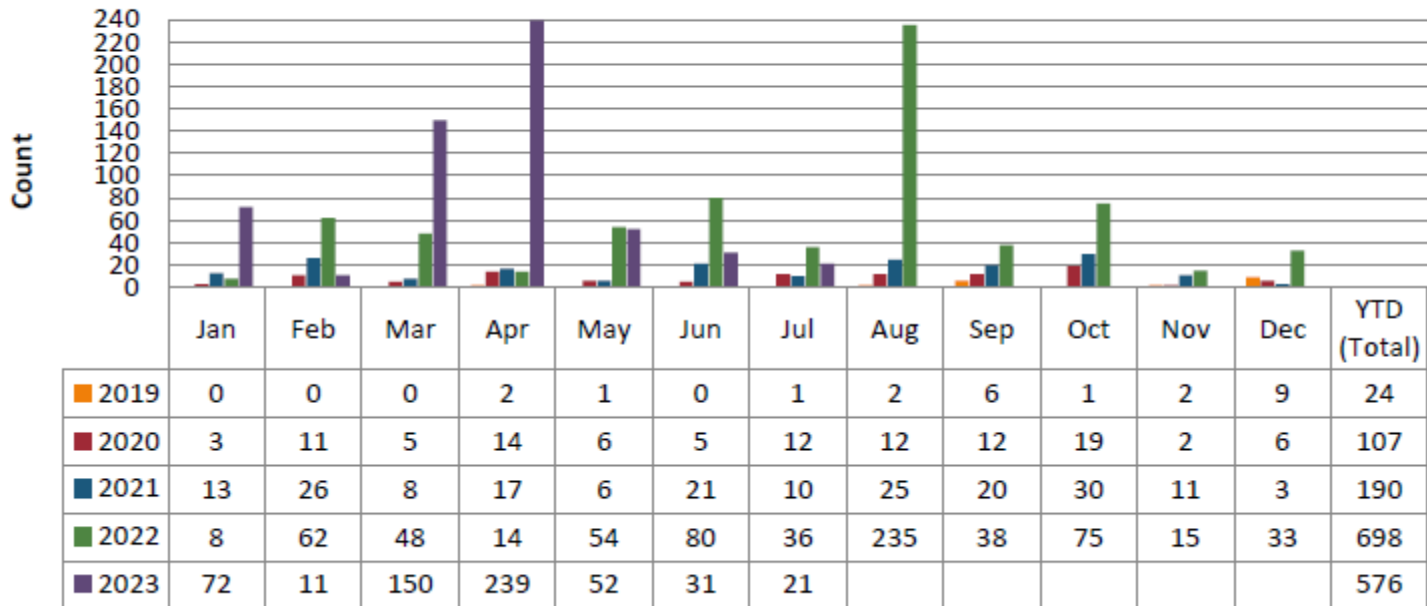
Drug ID Cases Submitted



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ave.	YTD (Total)
2019	119	99	129	137	113	147	175	189	121	210	150	156	145	1745
2020	154	134	141	100	96	144	151	167	173	165	88	174	141	1687
2021	117	118	131	82	156	212	149	153	185	134	91	167	141	1695
2022	87	103	136	118	97	92	98	134	121	79	127	128	110	1320
2023	125	122	151	100	93	72	85						107	748

Drug Identification

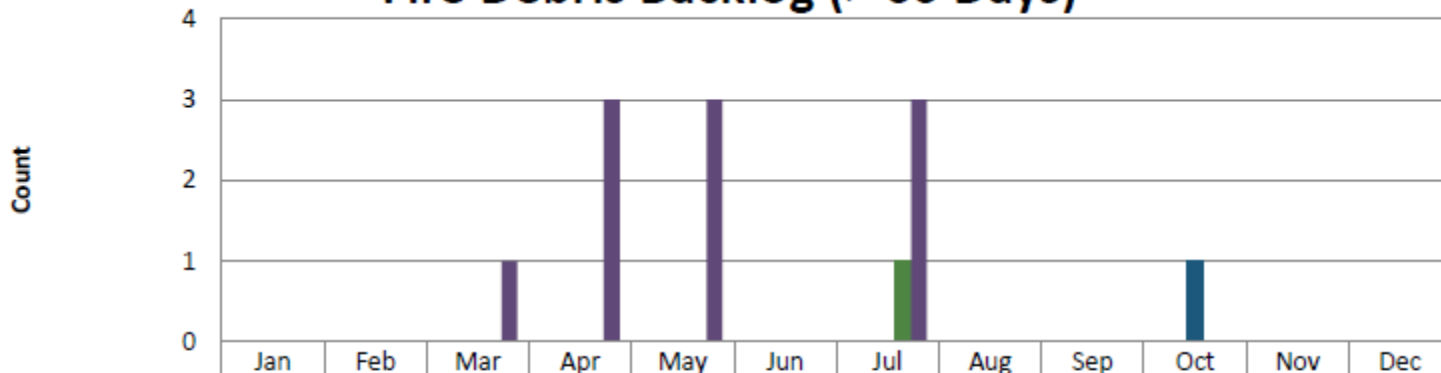
Drug ID Fentanyl Positive Exhibits



Up 267% from 2021

Fire Debris

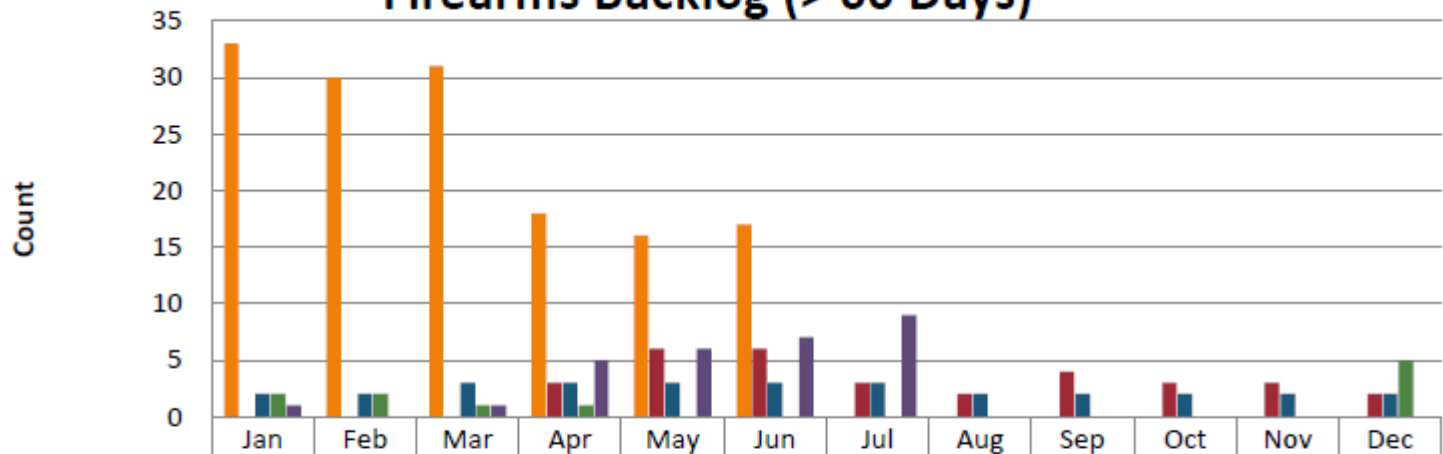
Fire Debris Backlog (> 60 Days)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
> 60 Days ('19)	0	0	0	0	0	0	0	0	0	0	0	0
> 60 Days ('20)	0	0	0	0	0	0	0	0	0	0	0	0
> 60 Days ('21)	0	0	0	0	0	0	0	0	0	1	0	0
> 60 Days ('22)	0	0	0	0	0	0	1	0	0	0	0	0
> 60 Days ('23)	0	0	1	3	3	0	3					

Firearms

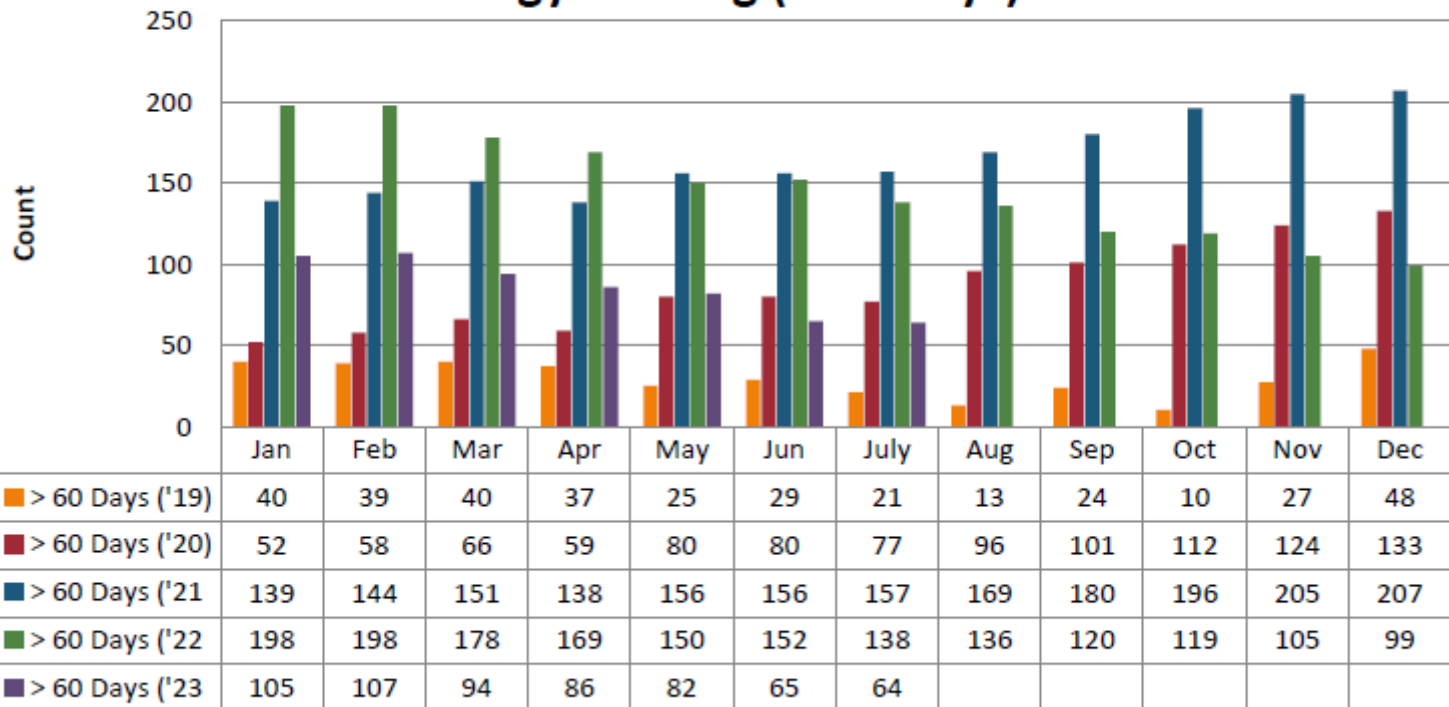
Firearms Backlog (> 60 Days)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
> 60 Days ('19)	33	30	31	18	16	17	0	0	0	0	0	0
> 60 Days ('20)	0	0	0	3	6	6	3	2	4	3	3	2
> 60 Days ('21)	2	2	3	3	3	3	3	2	2	2	2	2
> 60 Days ('22)	2	2	1	1	0	0	0	0	0	0	0	5
> 60 Days ('23)	1	0	1	5	6	7	9					

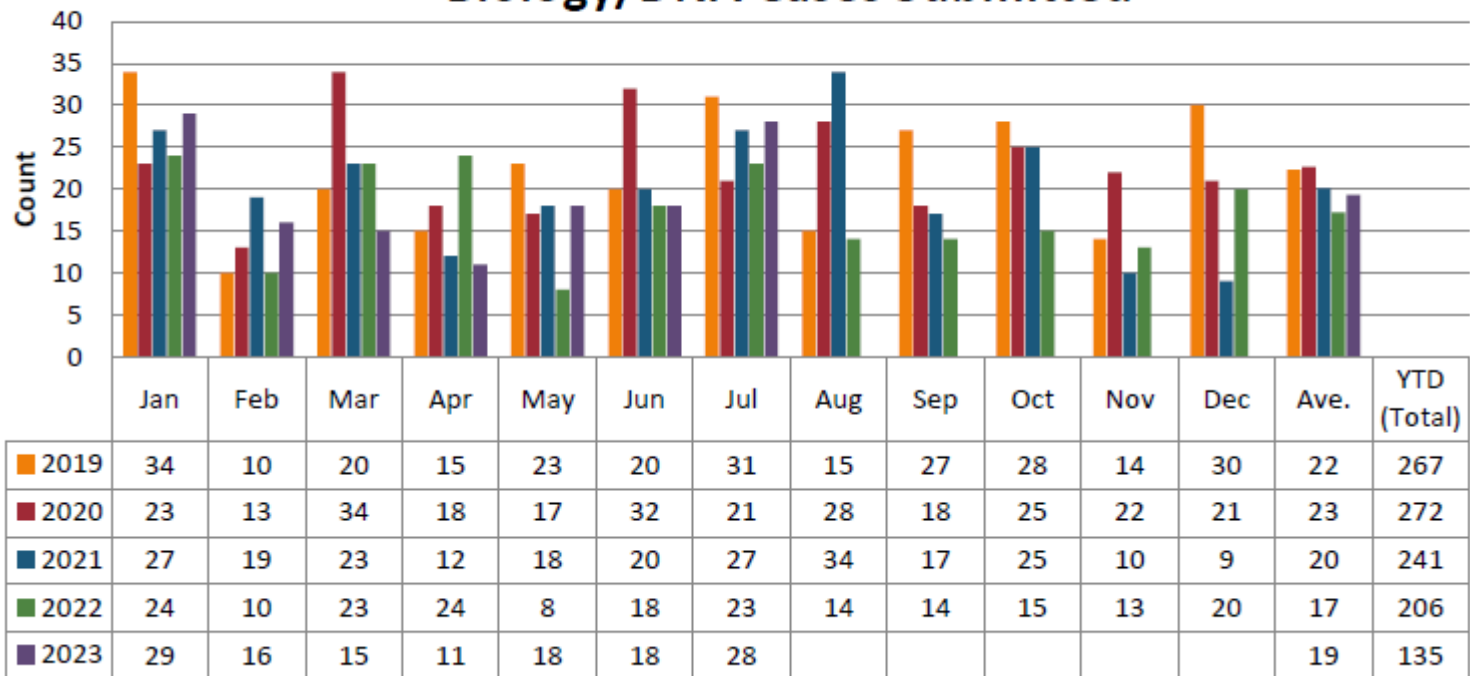
Biology / DNA

Biology Backlog (> 60 Days)



Biology / DNA

Biology/DNA Cases Submitted



Summary

Quarterly Summary:

- Competitive Grant - purchased LC-MS/MS; validated THC (includes Delta 8) and Carisoprodol methods
- Opioid settlement - purchased LC-MS/MS and opioid panel validation is underway
- Tox lab continuing to outsource with KDHE, JAG and Coverdell grant funds; approximately 40% of cases done off-site
- Recipient of CDC OD2A Local Grant – 1 Investigator, 1 Drug Chemist, 3 GC-MS instruments, supplies

Summary

Quarterly Summary:

- DNA and Tox backlogs are decreasing
- Tox = 2 of 7 FTEs in training; DID = 3 of 4 FTEs in training
- Firearms = The recently qualified FAE resigned, the other is in final modules of training with Nichols Academy
- Fentanyl submissions continue to rise
- Permanent Forensic Pathologist started July 11, Locum Tenens is completing final cases
- Received resignation of senior DID scientist, also serves as Fire Debris Technical Leader and LIMS Admin
- Temporarily discontinued Fire Debris services, will resume training in the future

Summary

2024 Budget Scenarios

- Addition of a FT Medical Investigator was approved – temporary position has been made permanent

CIP requests

- DNA Addition – land acquisition underway, architect has been selected

Advisory Board Appointments

- Two committee members are appointed by resolution and have expiring terms, application process is underway
 - Law enforcement officer from second or third class municipality in Sedgwick County
 - Representative of an organization outside Sedgwick County doing business with RFSC

Summary

2023 Grants Submitted:

- Coverdell Formula (\$99,900) →
- CEBR (\$298,213) →

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.