

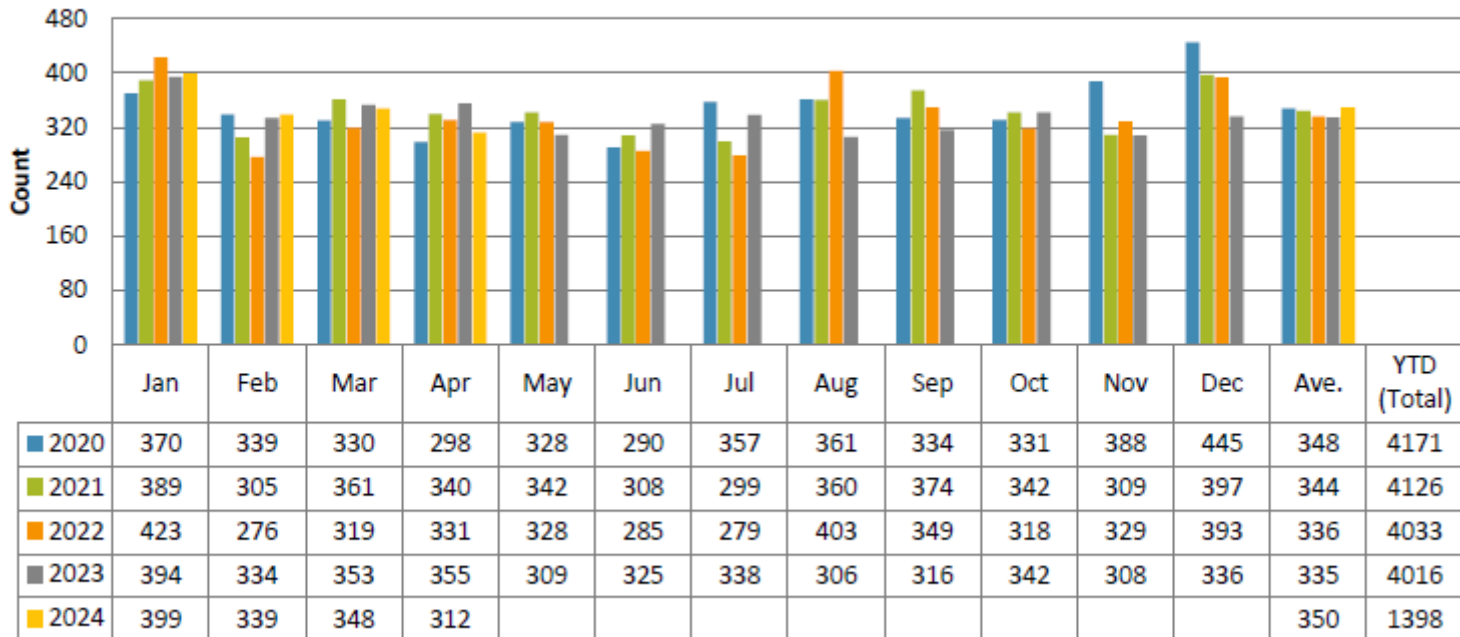
SEDGWICK COUNTY REGIONAL FORENSIC SCIENCE CENTER  
Wichita, Kansas

**ADVISORY BOARD QUARTERLY  
REPORT  
May 16, 2024**

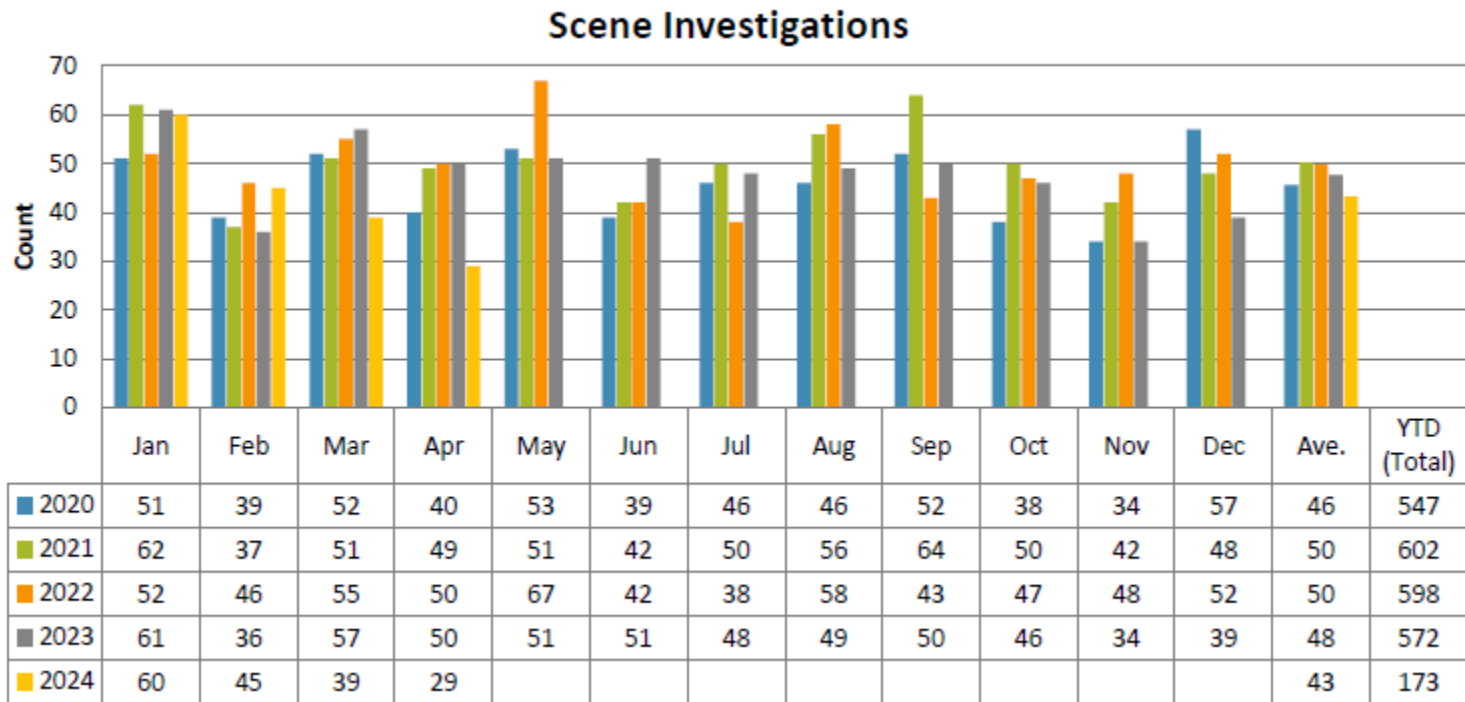
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# Medical Investigations

## Reported Deaths

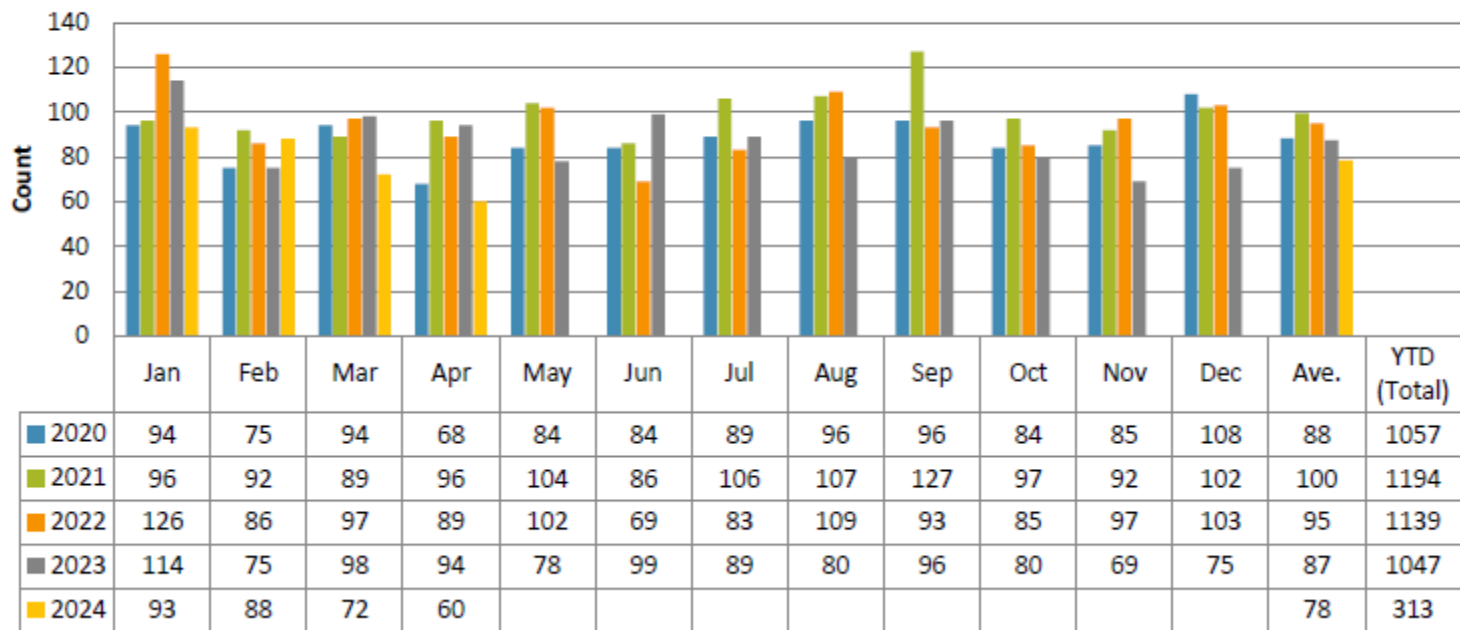


# Medical Investigations



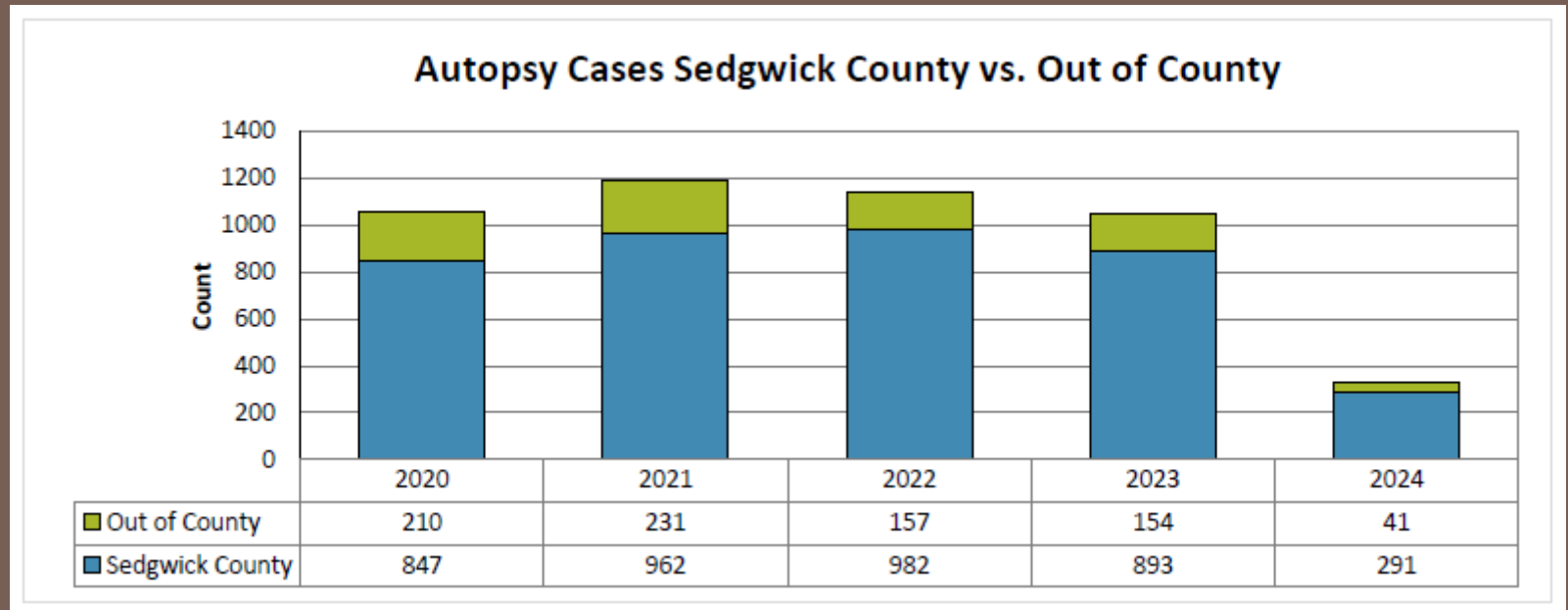
# Pathology

Autopsy Cases Received by Death Reported Year



2023 cases pending tox = 12

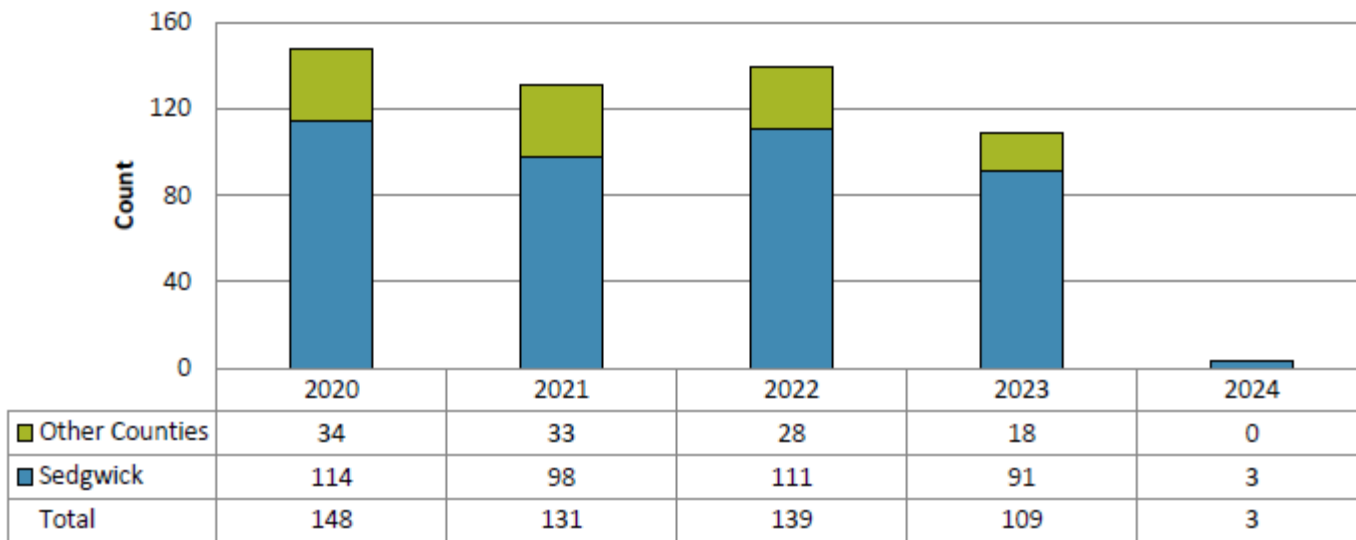
# Pathology



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

# Pathology

Count of Suicides by Examination Year



14%

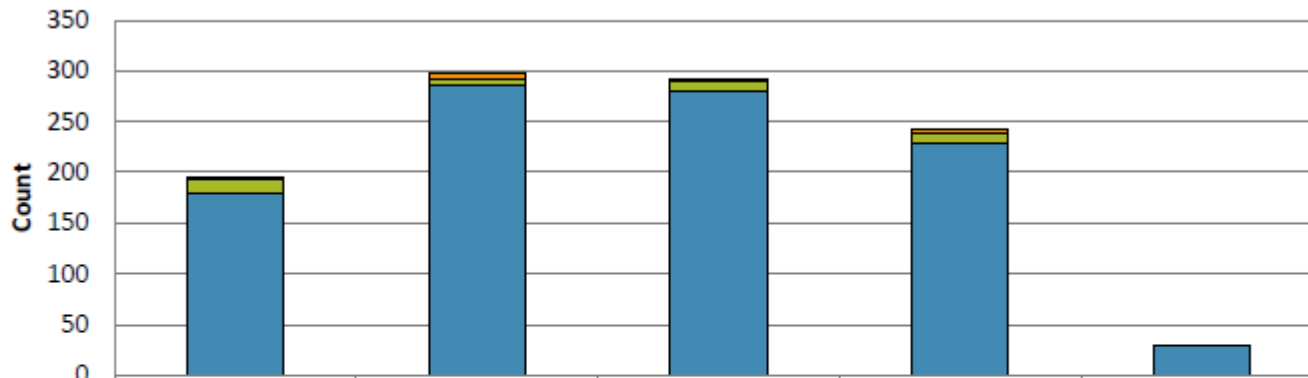
11%

12%

9%

# Pathology

Overdose Count by Manner of Death by Death Year



	2020	2021	2022	2023	2024
Other	0	0	2	0	0
Underdetermined	3	5	1	4	0
Suicide	12	7	11	9	0
Accidental	180	286	279	229	30
Total	195	298	293	242	30

18%

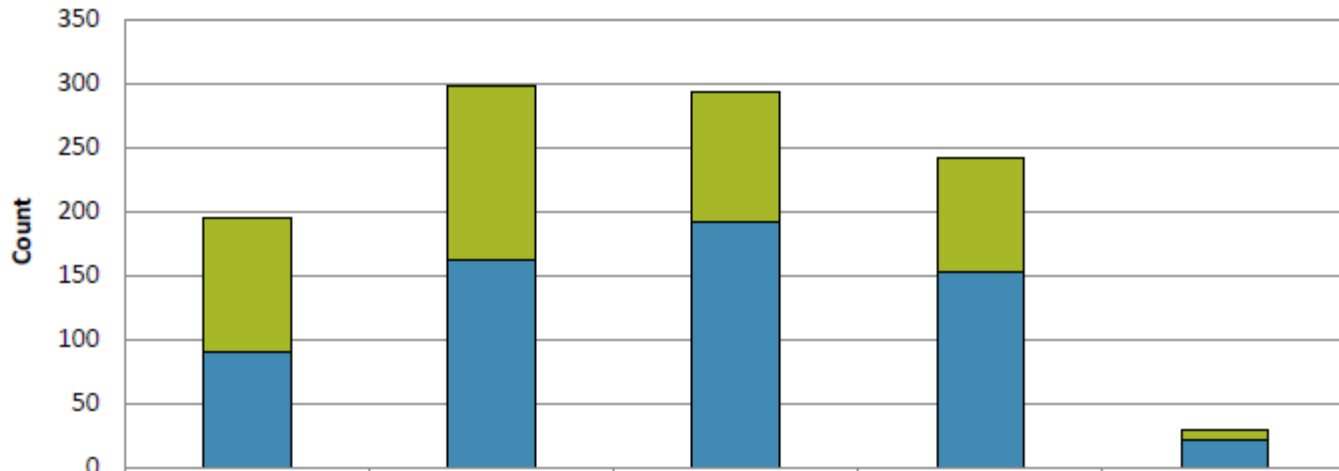
25%

27%

~23%

# Pathology

Overdose Count: Fentanyl Related vs. Other Drugs



	2020	2021	2022	2023	2024
Other Drugs	105	136	101	90	9
Fentanyl Related	90	162	192	152	21
Total	195	298	293	242	30

46%

54%

66%

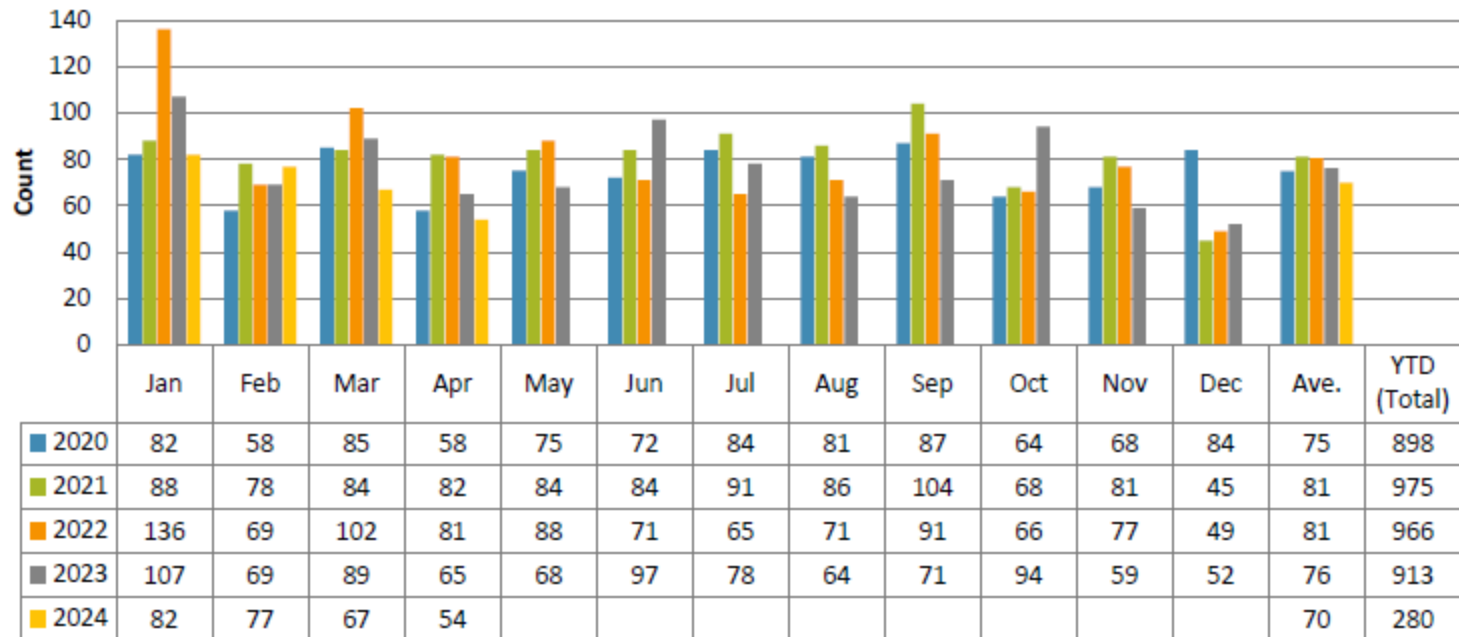
~63%





# Toxicology

## Newly Submitted PM Toxicology Cases



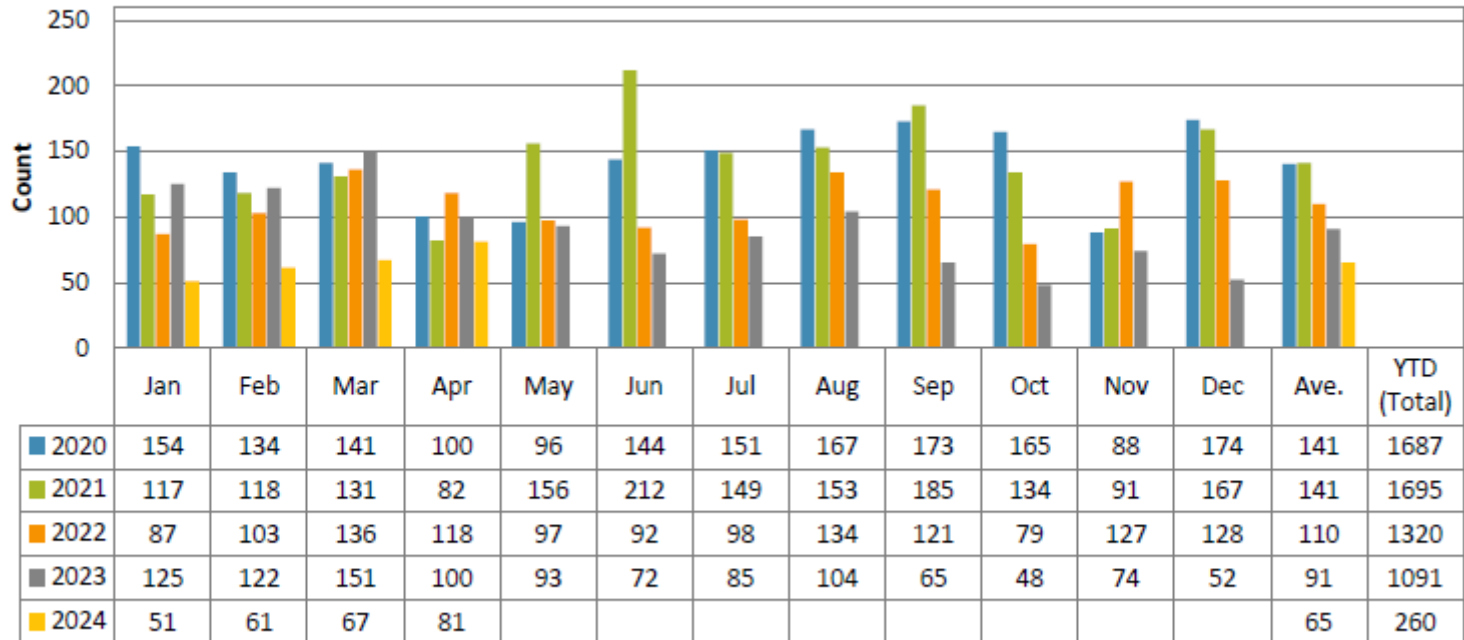






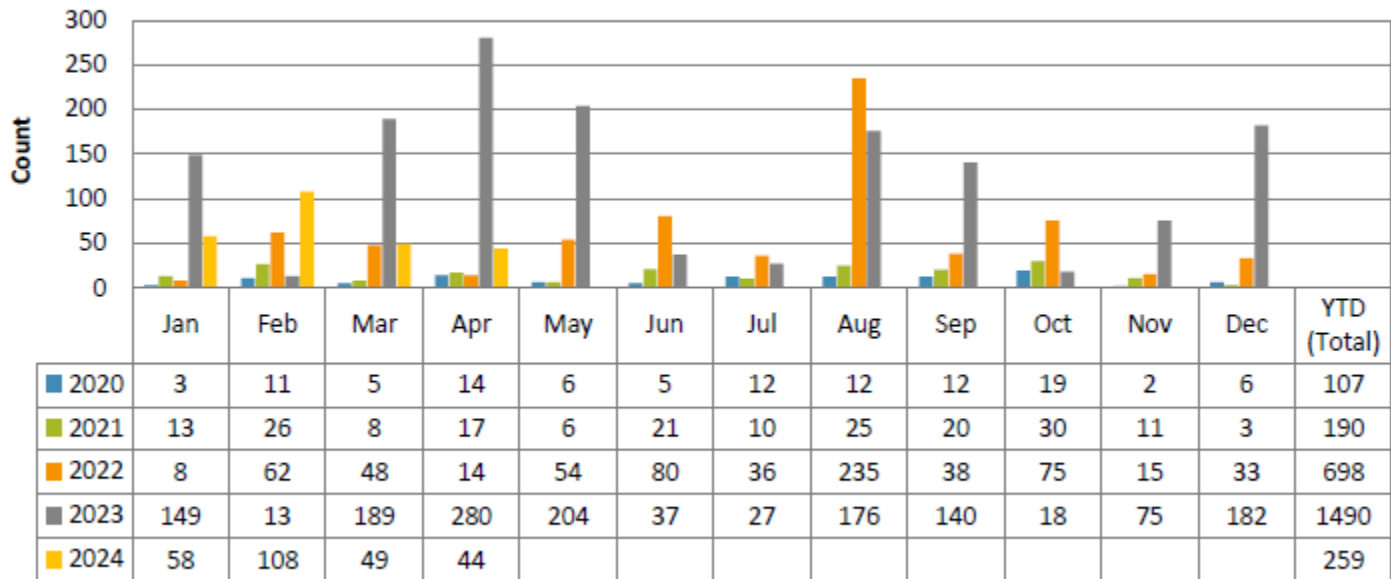
# Drug Identification

Newly Submitted Drug ID Cases



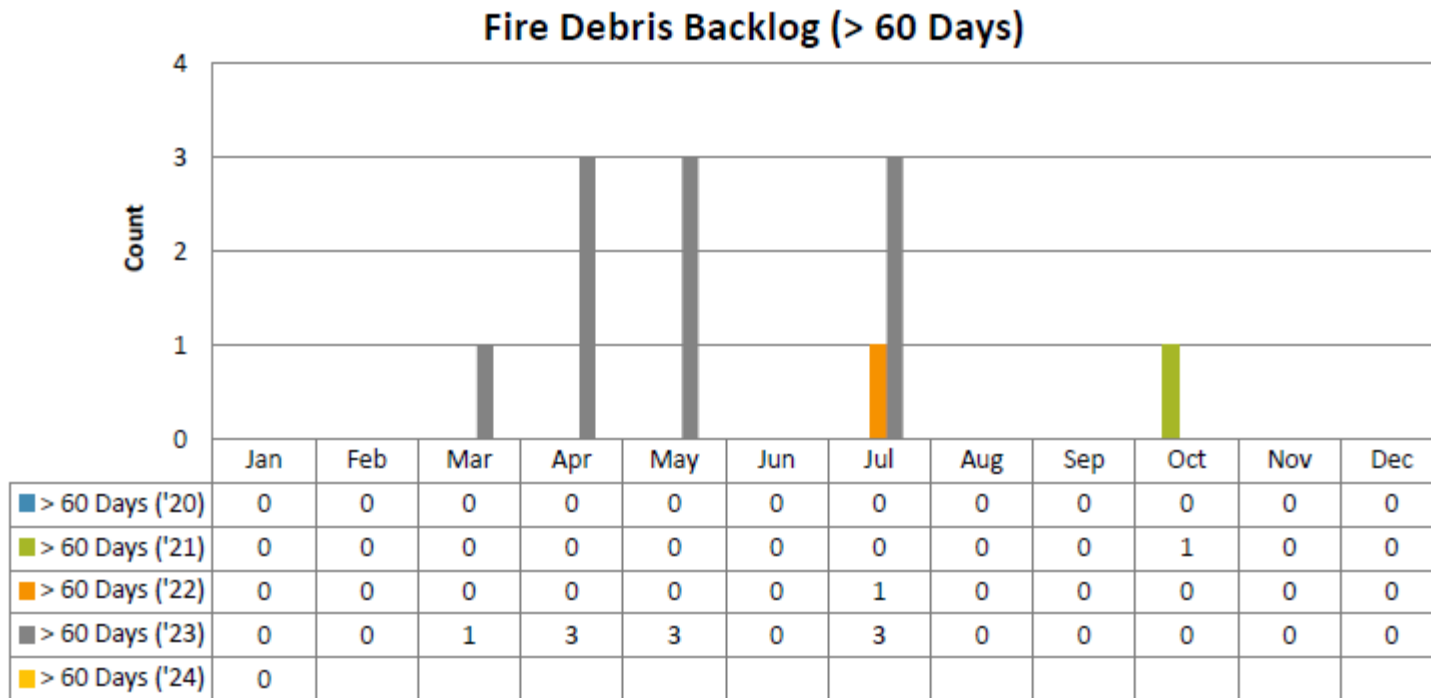
# Drug Identification

## Drug ID Fentanyl Positive Exhibits



2023 increased 684% from 2021

# Fire Debris



Two chemists are currently in training –  
should finish in June

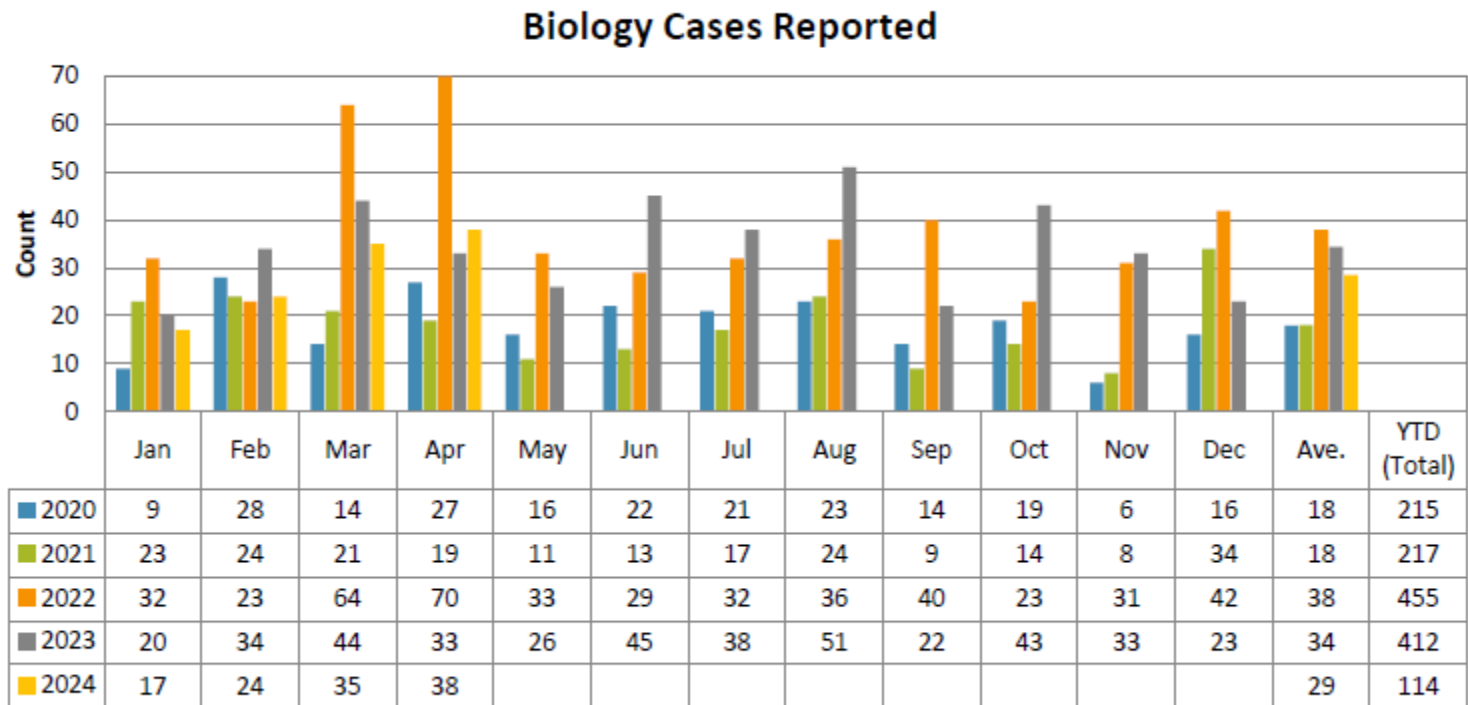








# Biology / DNA



# 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, pathology staffing is stable and case volume has leveled off
- Dr. Schainost appointed to the Kansas State Child Death Review Board
- Several attended the State Coroner Conference

# Summary

## Quarterly Summary OD2A:

- Robert and I attended the CDC Conference in Atlanta, required for OD2A: Local grant award
- We are required to test 500 items from death scenes.
- Medical Investigations have collected drugs and/or paraphernalia at 40 scenes since starting project December 1.
- Criminalistics Supervisor is overseeing hiring/training of new chemist in Drug ID, the purchase of a new GC-MS, and the validation of the GC-MS.
- Criminalistics Supervisor has tested 128 items.
- Results are posted on RFSC website.
- Our workplan is advanced compared to others.

# Summary

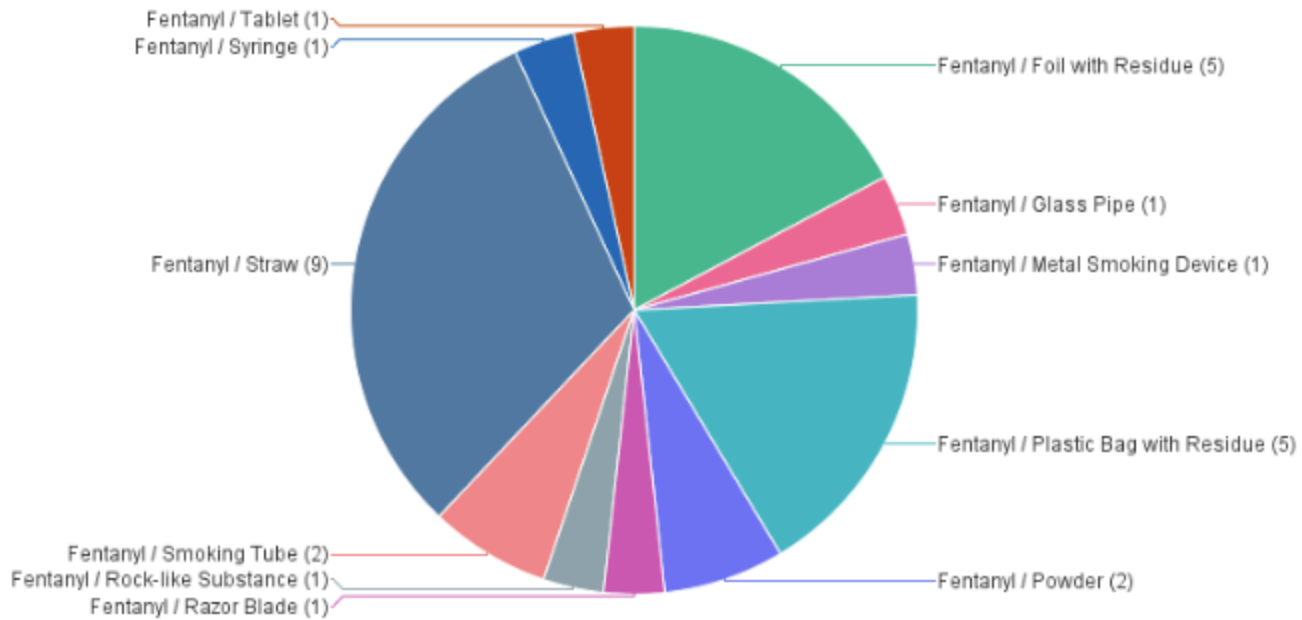
## Detected Drugs Count from OD2A Cases

Last Refresh Date: 5/10/24 [Click Here For Information About The OD2A Program](#)

Substance Count from GCMS		Number of Scenes Processed
Substance Identified	Sum GCMS Items	
		40
4-ANPP/ANPP	18	Number of Scenes with Completed Examinations
ADB-BUTINACA	1	18
Alprazolam	1	Number of Items Confirmed by GCMS
Amphetamine	7	128
Bromazolam	1	
Carfentanil	2	
Cocaine	13	
Fentanyl	29	
MDMB-en-PINACA	2	
Methamphetamine	72	
No Controlled Substances	21	
Not Tested	3	
o/m/p-Fluorofentanyl	2	
β/2'3'4'-Methyl acetyl fentanyl	1	
THC (Delta 9)	2	
Sum:	175	

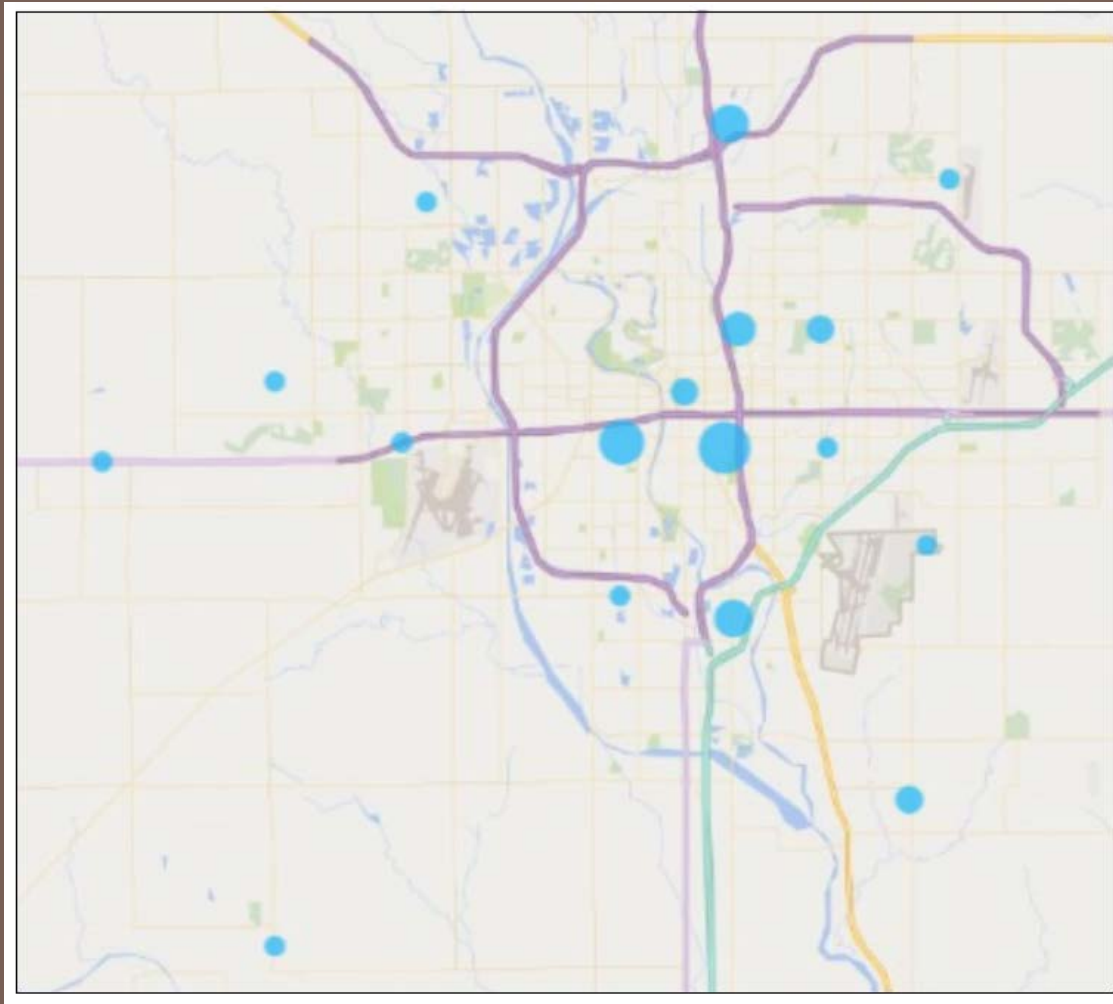
Note: The Sum GCMS Items is larger than the Number of Items Confirmed by GCMS, because often times examined items are mixtures with more than one substance detected.

# Summary





# Summary



# Summary

## 2023 Grants Submitted:

- Coverdell Formula (\$99,900) → award pending
- Coverdell Formula solicitation → negotiation underway
- CEBR (\$302,018) → BoCC approval pending
- JAG (\$42,824) → program underway
- KDHE OD2A (\$60,000) → program underway
- OD2A Local (\$250,000) → program underway

## Anticipated 2024

- OD2A Local (\$250,000) → Year 2 budget in progress

# 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 – land acquisition vs. other options

# Discussion

Questions?

Please submit to [Shelly.Steadman@sedgwick.gov](mailto: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.