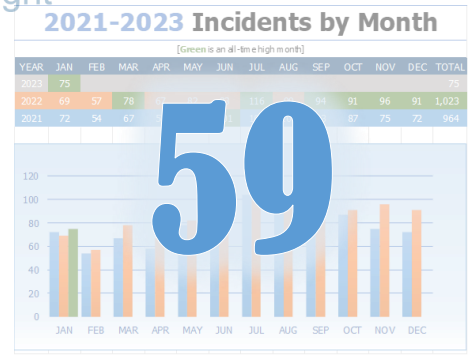
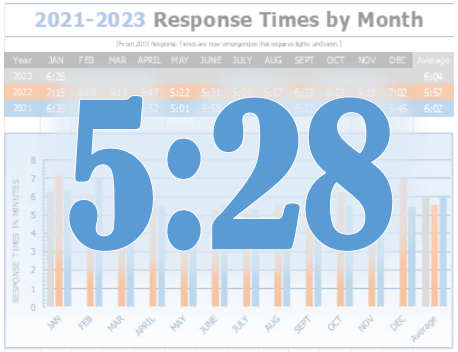
Incidents end of Febuary 2023

Incidents 2023



February recorded ***59 calls. A common month compared to the last 6 months***. This was just slightly higher compared to February 2022 that showed 57 calls.

Response times 2023

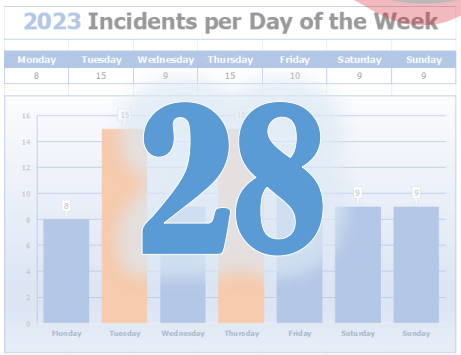


Our February response time of ***5:28*** was an improvement compared to February 2022 that registered ***6:09***. It is lower than our average overall response time in ***2022 of 5:57***.

Emergent Calls 2023

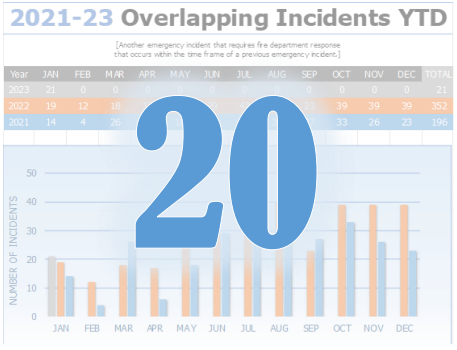
February showed ***25 emergent calls*** (lights and siren) down from 33 in February last year. A decrease of 24%.

Time of Day Day of the Week



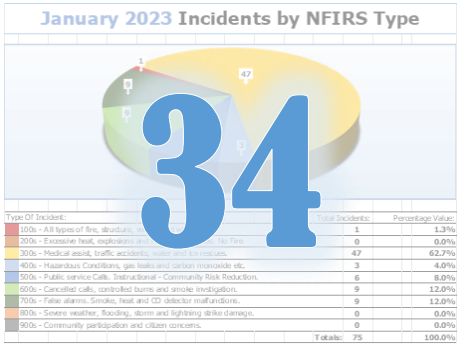
Thursday is the most busy days with 28 calls compared to the rest of the week within the ***14-22 range.*** The hours from ***9AM-Noon*** count for the busy time of day with another increase at 6PM.

Overlapping Calls 2023



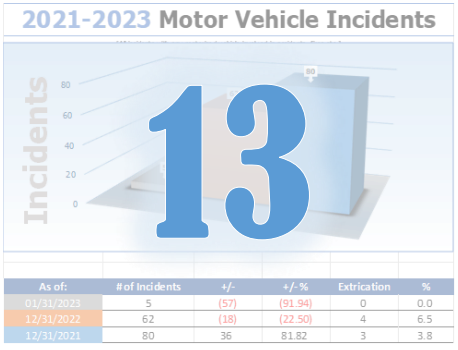
20 overlapping calls in February shows an increase compared to 12 in 2022 an increase of 67%. 34% of our calls in February were overlapping. For all of *2022, 34%* of our calls were overlapping.

Type of Calls 2023



February recorded ***34 calls in EMS or 57% of all calls.*** The most common of EMS call types are again ***falls*** with 14, followed by ***12 general sickness*** so far.

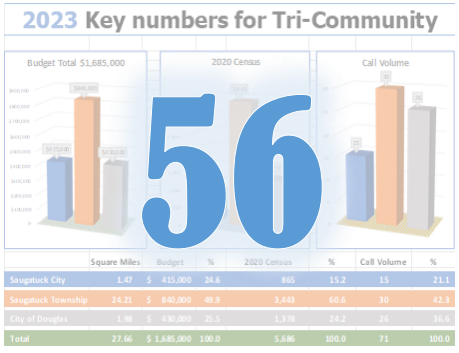
MVI 2023



As of:	# of Incidents	+/-	+/- %	Extrication	%
01/31/2023	5	(57)	(91.94)	0	0.0
12/31/2022	62	(18)	(22.50)	4	6.5
12/31/2021	80	36	81.82	3	3.8

13 MVIs (motor vehicle incidents, i.e., crashes, fires etc.) ***compared to 3 last year in February*** and 10 in February 2021. A major incident early February contributed to this number.

Municipality 2023



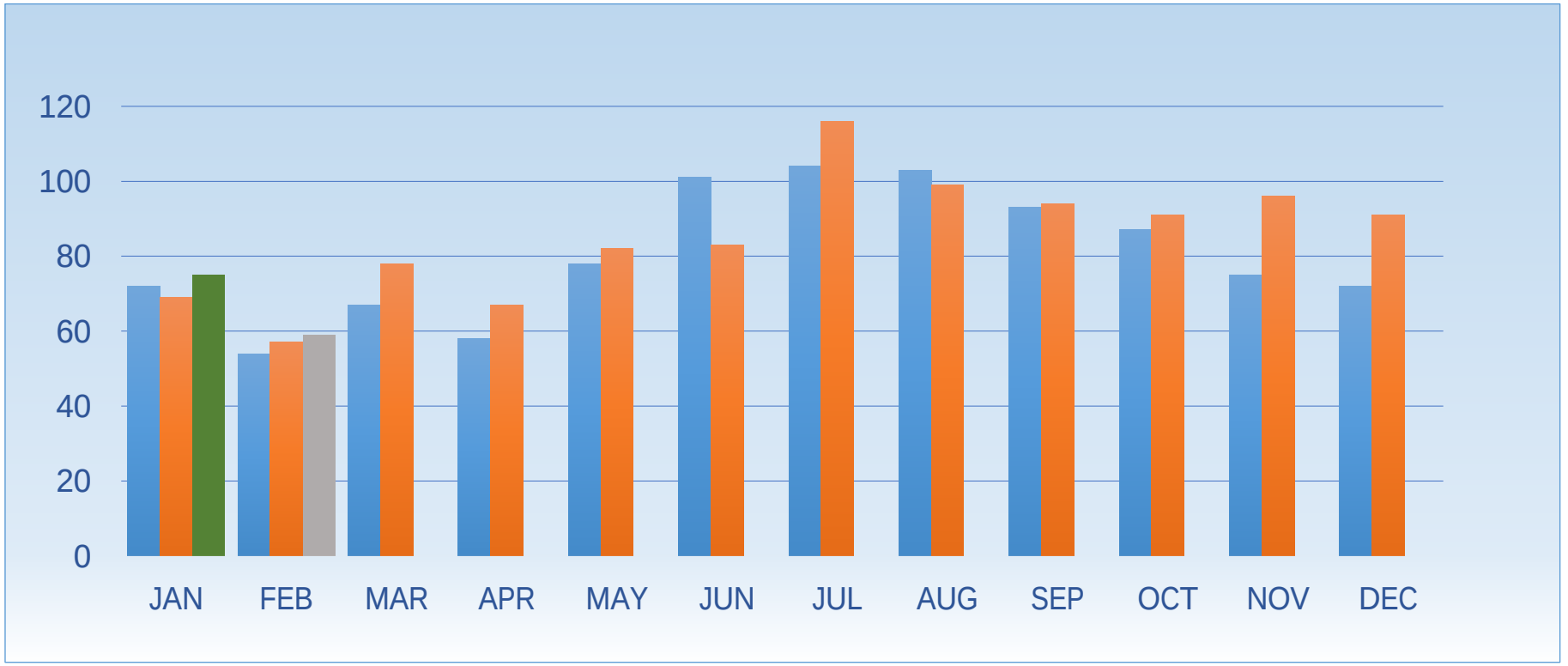
	Square Miles	Budget	%	2020 Census	%	Call Volume	%
Saugatuck City	1.47	$ 415,000	24.6	865	15.2	15	21.1
Saugatuck Township	24.21	$ 840,000	49.9	3,443	60.6	30	42.3
City of Douglas	1.98	$ 430,000	25.5	1,378	24.2	26	36.6
Total	27.66	$ 1,685,000	100.0	5,686	100.0	71	100.0

Location of calls shows ***Saugatuck Township (including I-196)*** counts for 56 calls or 45% compared to Saugatuck City at 33 or 26% and Douglas recorded 36 calls or 29%.

2021-2023 Incidents by Month

[**Green** is an all-time high month]

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	75	59											134
2022	69	57	78	67	82	83	116	99	94	91	96	91	1,023
2021	72	54	67	58	78	101	104	103	93	87	75	72	964

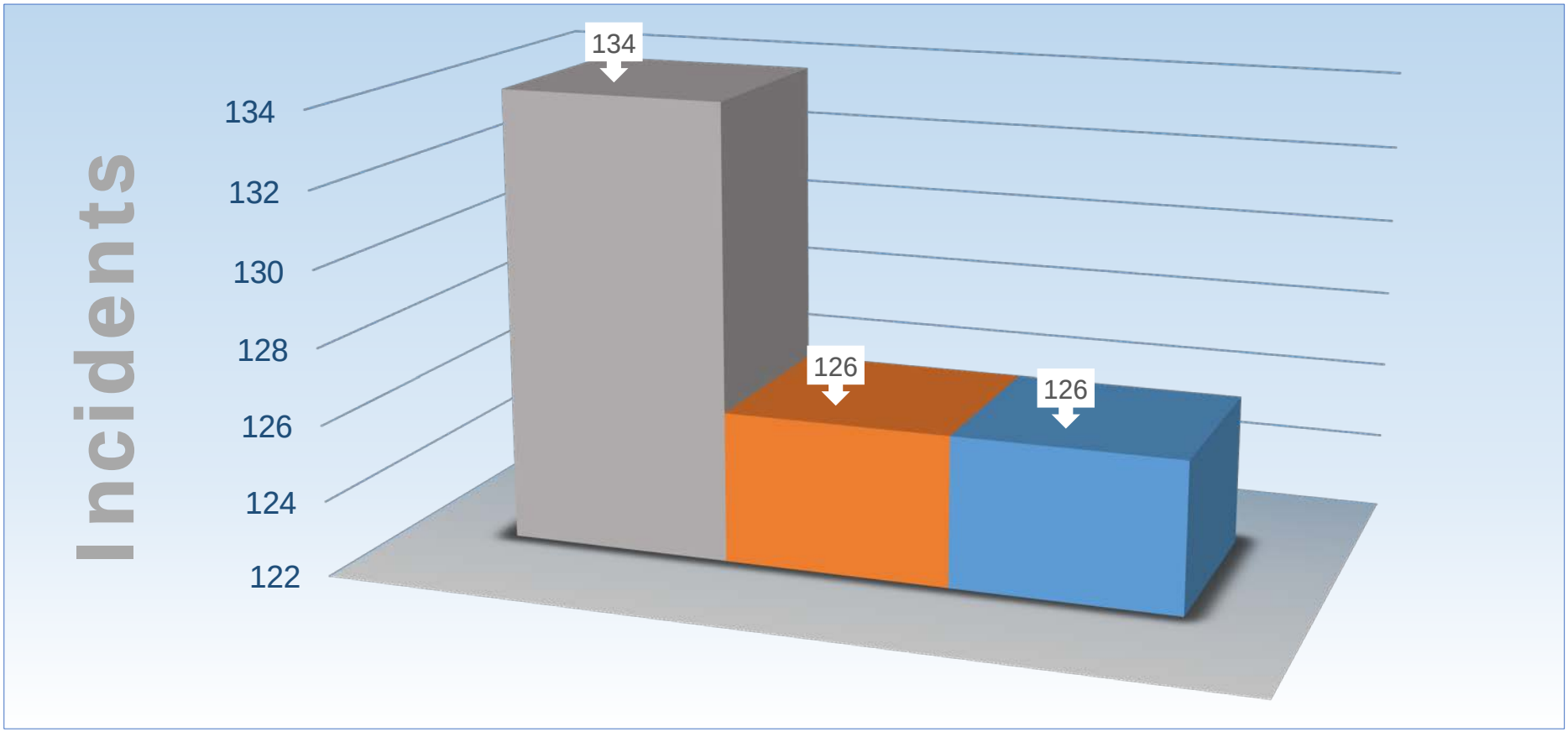


2013-2023 Incidents by month

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	75	59											134
2022	69	57	78	67	82	83	116	99	94	91	96	91	1,023
2021	72	54	67	58	78	101	104	103	93	87	75	72	964
2020	62	53	66	41	83	80	76	102	77	77	69	76	862
2019	52	83	59	73	79	99	115	102	80	81	78	76	977
2018	61	58	55	79	85	94	103	101	83	77	52	59	907
2017	54	35	62	51	68	89	116	76	66	91	48	57	813
2016	47	51	53	64	76	95	113	105	82	64	60	65	875
2015	57	61	50	50	73	67	110	90	71	58	49	47	783
2014	62	51	49	56	85	77	84	59	72	52	59	39	745
2013	67	62	44	39	57	53	70	74	42	58	66	58	690
Average	62	57	58	58	77	84	101	91	76	74	65	64	798

Lowest **Highest**

2021-2023 Incident Comparison

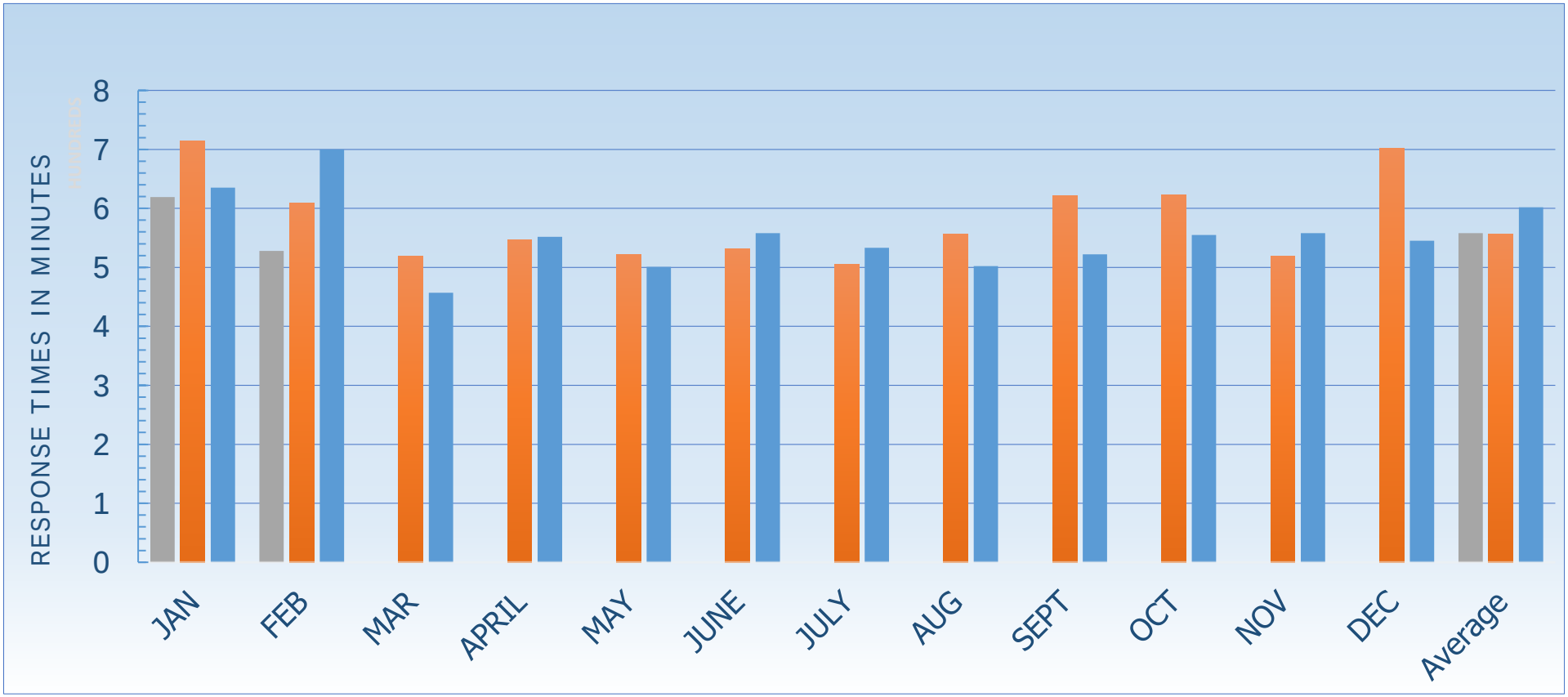


Year	February 28	+ / -	+ / - %
2023	134	8	6.3
2022	126	0	0.0
2021	126		

2021-2023 Response Times by Month

[From 2019 Response Times are now emergencies that requires lights and siren.]

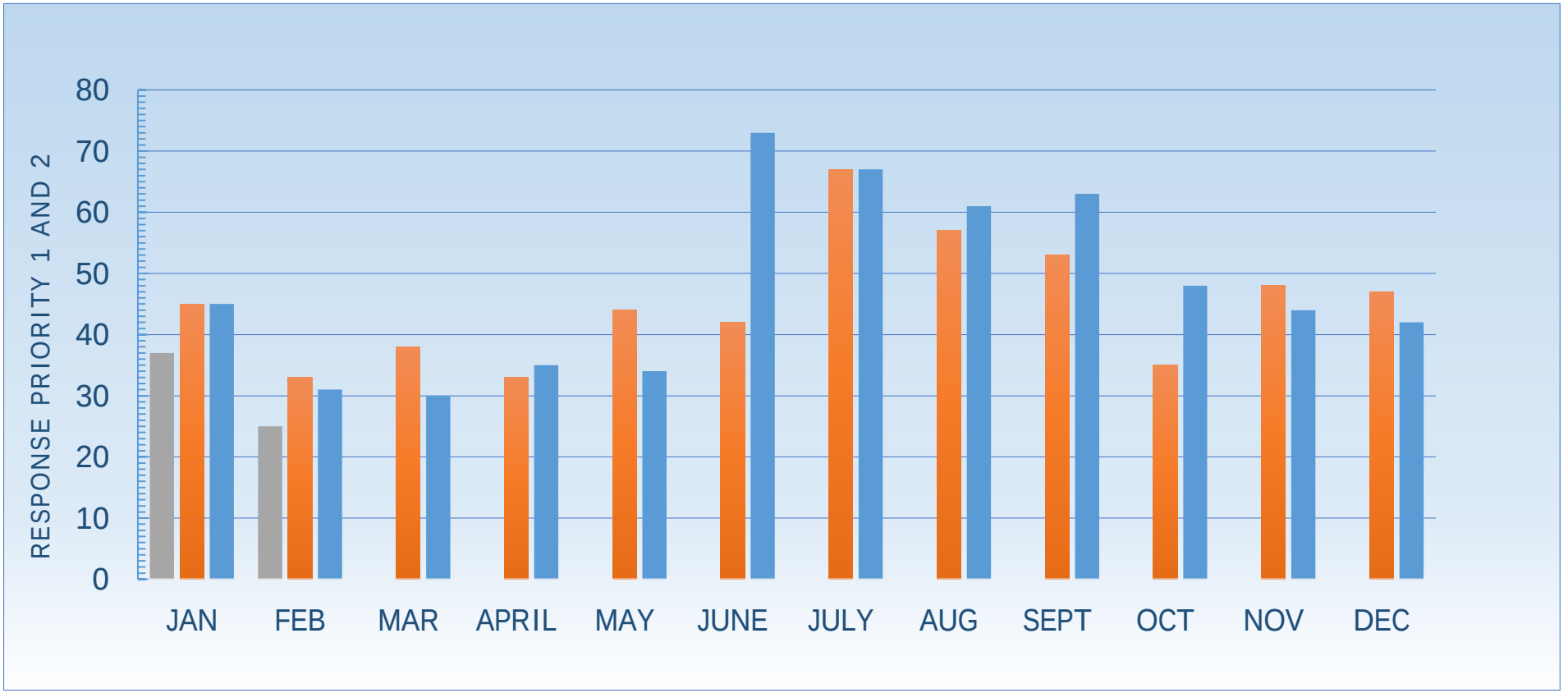
Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Average
2023	6:19	5:28											5:58
2022	7:15	6:09	5:19	5:47	5:22	5:31	5:05	5:57	6:22	6:23	5:19	7:02	5:57
2021	6:35	7:00	4:57	5:52	5:01	5:58	5:33	5:02	5:22	5:55	5:58	5:45	6:02



2021-2023 Emergency Responses

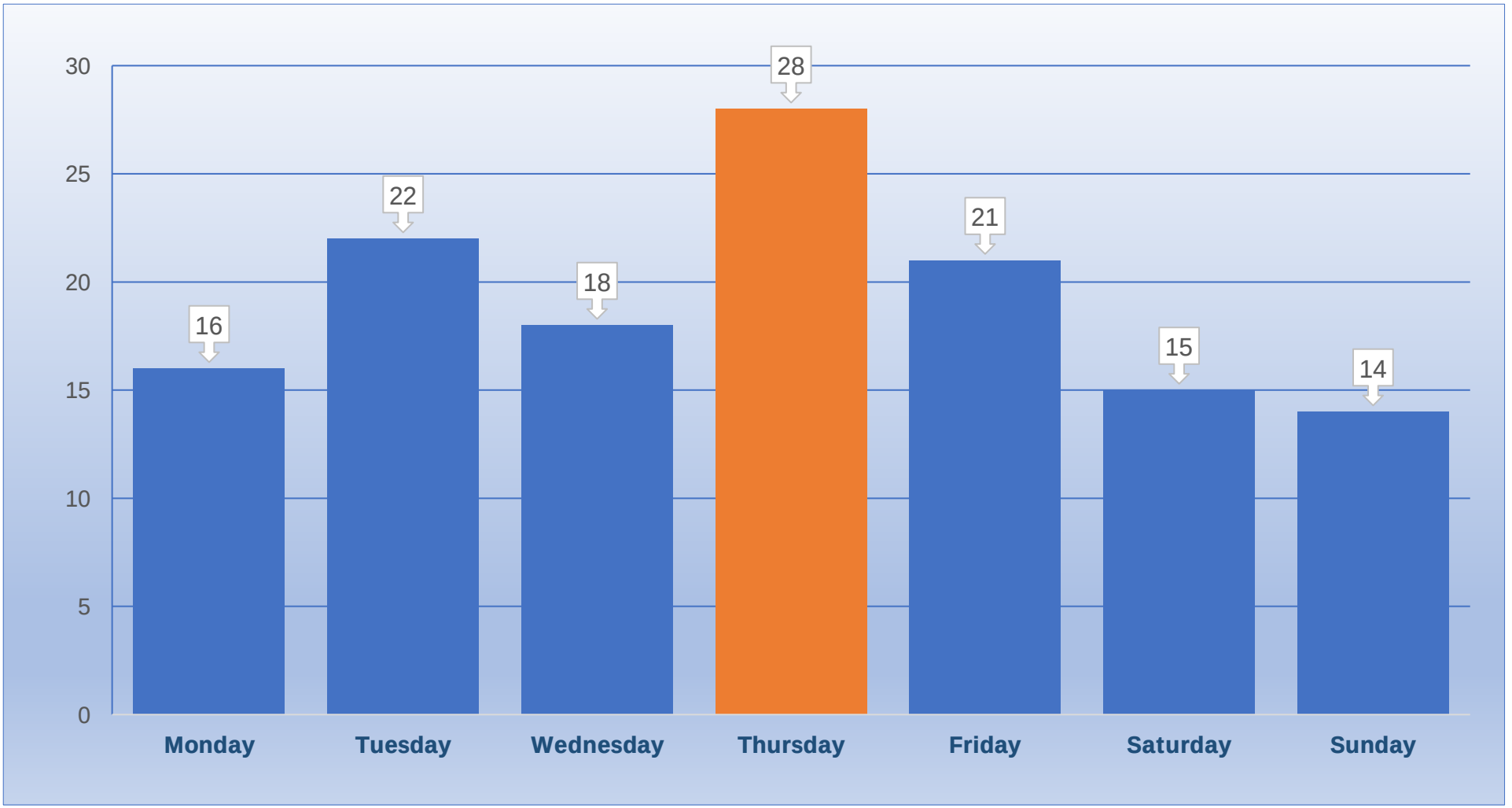
[Emergent responses per month in our district.]

Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YTD
2023	37	25											62
2022	45	33	38	33	44	42	67	57	53	35	48	47	542
2021	45	31	30	35	34	73	67	61	63	48	44	42	573

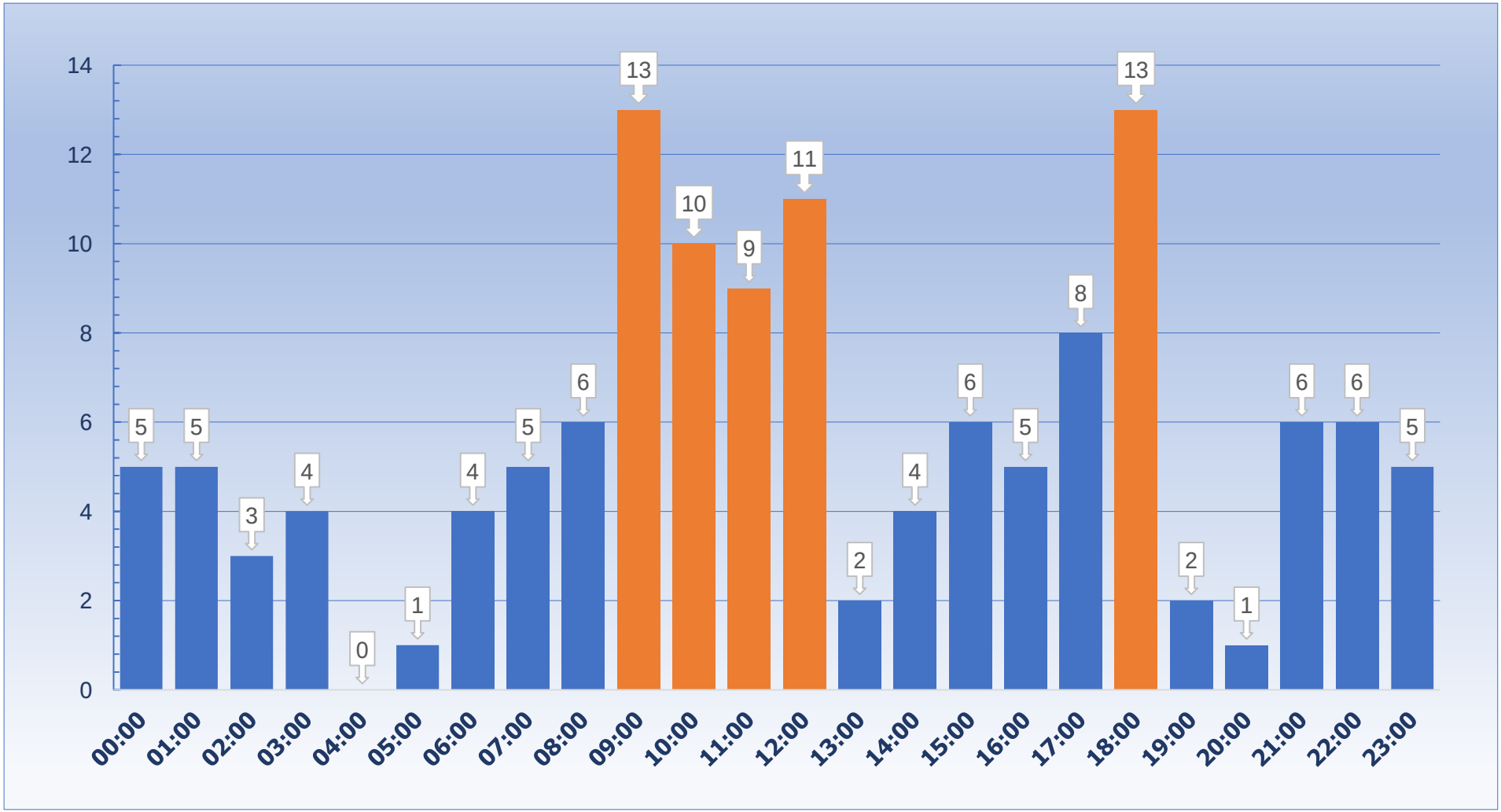


2023 Incidents per Day of the Week

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
16	22	18	28	21	15	14



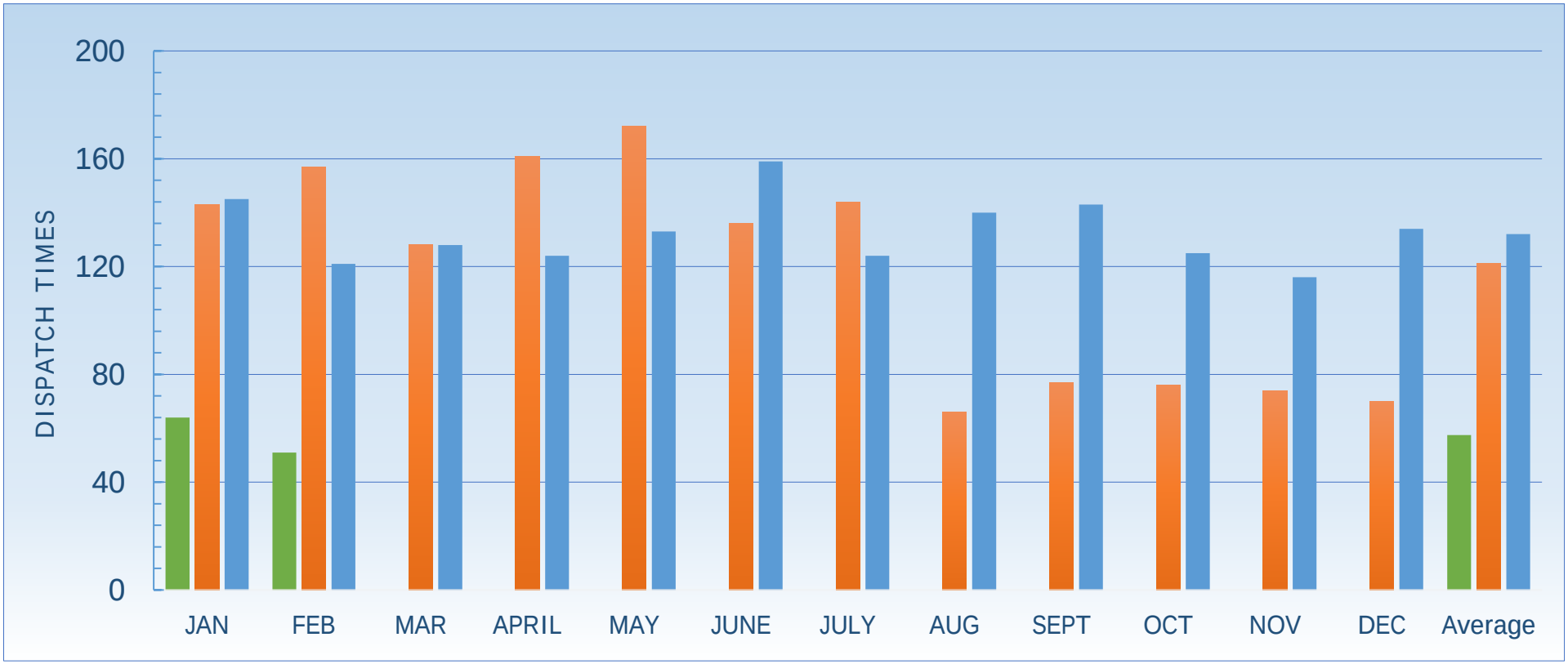
2023 Incidents by Time of Day



2021-2023 Dispatch Times by Month

[From 2020 *"Dispatch Times"* are emergencies that requires lights and siren. Measured in seconds.]

Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Average
2023	64	51											58
2022	143	157	128	161	172	136	144	66	77	76	74	70	121
2021	145	121	128	124	133	159	124	140	143	125	116	134	132

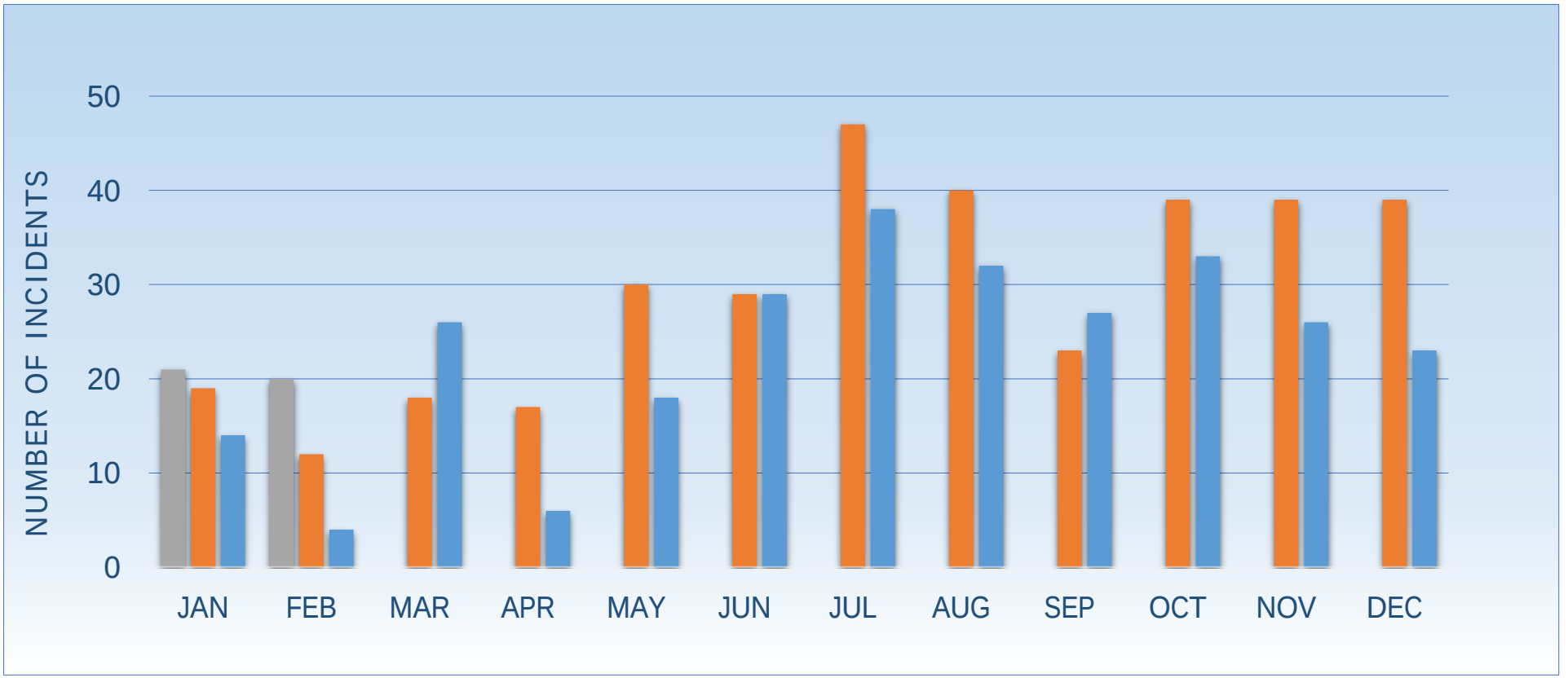


The month of August 2022 kicked off the pilot project of issuing a pre-alert for fire departments in Allegan County. Processing time dropped from an average of 148 seconds/2:28 minutes between January 1-July 31 to 73 seconds/1:13 minutes. Not just for the EMS calls (which was the target for this project) but for all Priority 1 and 2 calls. It is a drop of 51% in processing time before we receive the dispatch.

2021-23 Overlapping Incidents YTD

[Another emergency incident that requires fire department response that occurs within the time frame of a previous emergency incident.]

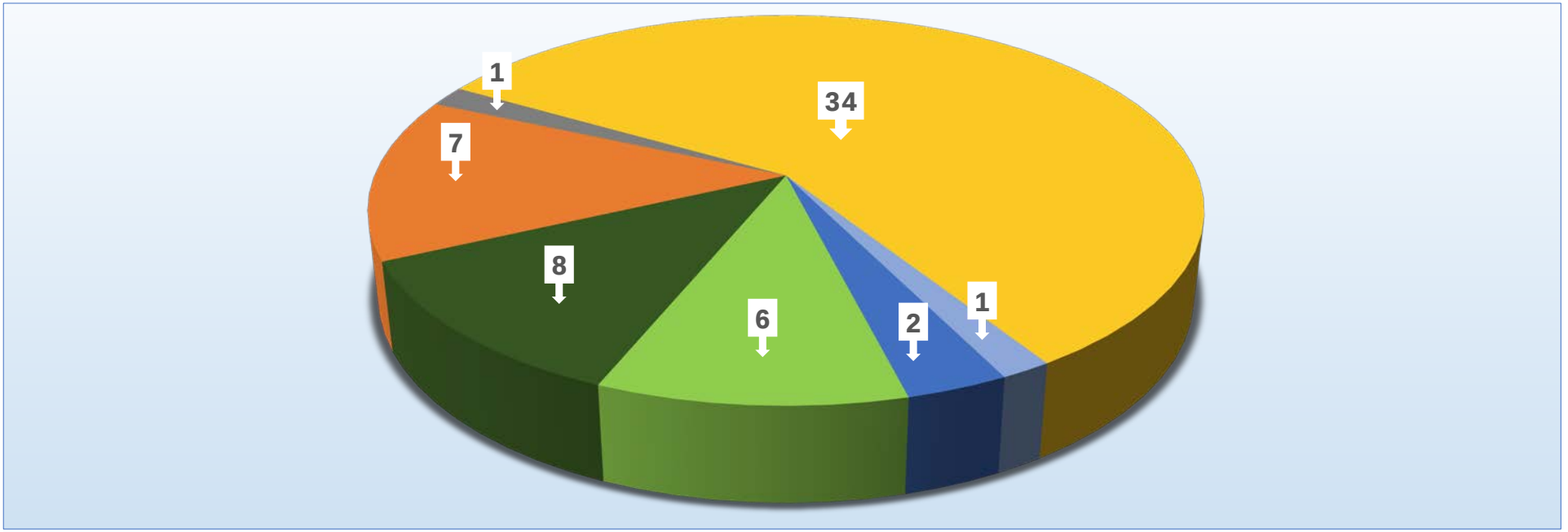
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	21	20	0	0	0	0	0	0	0	0	0	0	41
2022	19	12	18	17	30	29	47	40	23	39	39	39	352
2021	14	4	26	6	18	29	38	32	27	33	26	23	196



2021-23 Overlapping Incidents YTD

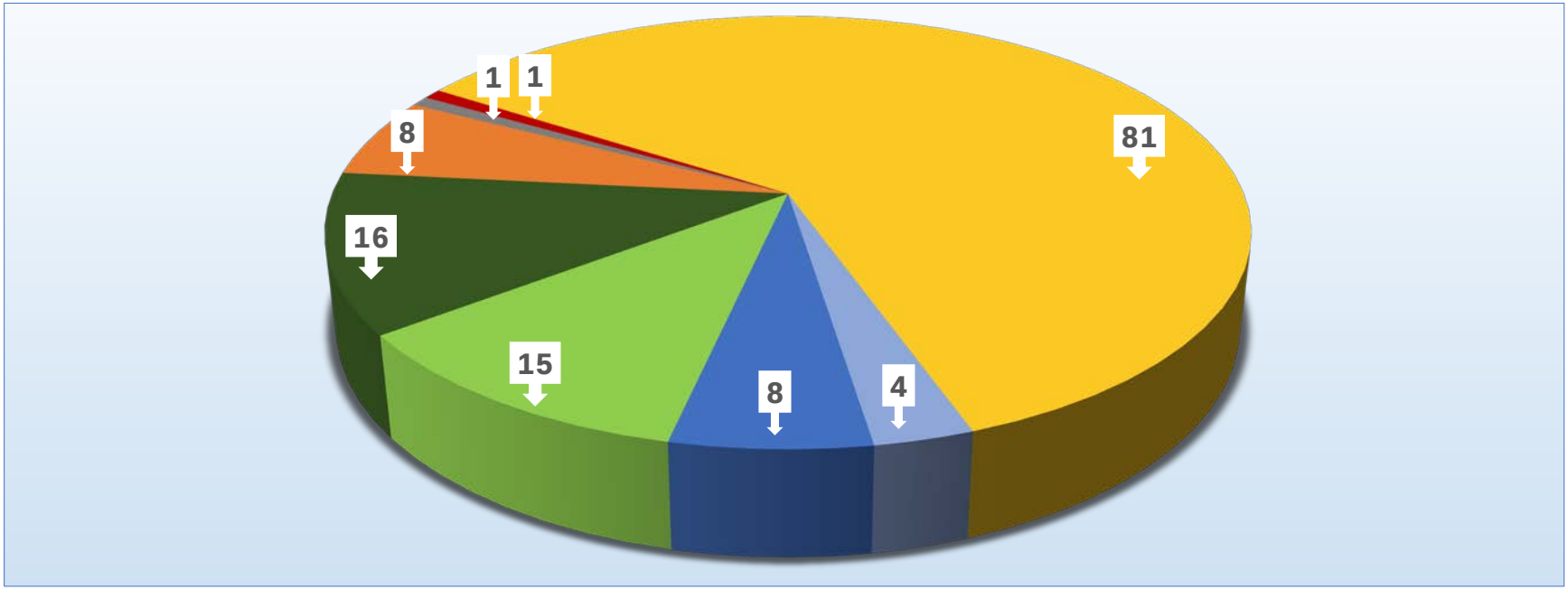
Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL	Year Change
2023														
Runs	75	59											134	
Overlap	21	20											41	
Percent	28.0	33.9											30.6	-88%
2022														
Runs	69	57	78	67	82	83	116	99	94	91	96	91	1,023	
Overlap	19	12	18	17	30	29	47	40	23	39	39	39	352	
Percent	27.5	21.1	23.1	25.4	36.6	34.9	40.5	40.4	24.5	42.9	40.6	42.9	34.4	28%
2021														
Runs	72	54	67	58	78	101	104	103	93	87	75	72	964	
Overlap	14	4	26	6	18	29	38	32	27	33	26	23	276	
Percent	19.4	7.4	38.8	10.3	23.1	28.7	36.5	31.1	29.0	37.9	34.7	31.9	28.6	41%

February 2023 Incidents by NFIRS Type



Type Of Incident:	Total Incidents:	Percentage Value:
100s - All types of fire, structure, vehicle and wildland.	**0**	**0.0%**
200s - Excessive heat, explosions and ruptured pipelines. No Fire.	**0**	**0.0%**
300s - Medical assist, traffic accidents, water and ice rescues.	**34**	**57.6%**
400s - Hazardous Conditions, gas leaks and carbon monoxide etc.	**1**	**1.7%**
500s - Public service Calls. Instructional - Community Risk Reduction.	**2**	**3.4%**
600s - Cancelled calls, controlled burns and smoke invstigation.	**6**	**10.2%**
700s - False alarms. Smoke, heat and CO detector malfunctions.	**7**	**11.9%**
800s - Severe weather, flooding, storm and lightning strike damage.	**8**	**13.6%**
900s - Community participation and citizen concerns.	**1**	**1.7%**
Totals:	**59**	**100.0%**

2023 Incidents by NFIRS Type



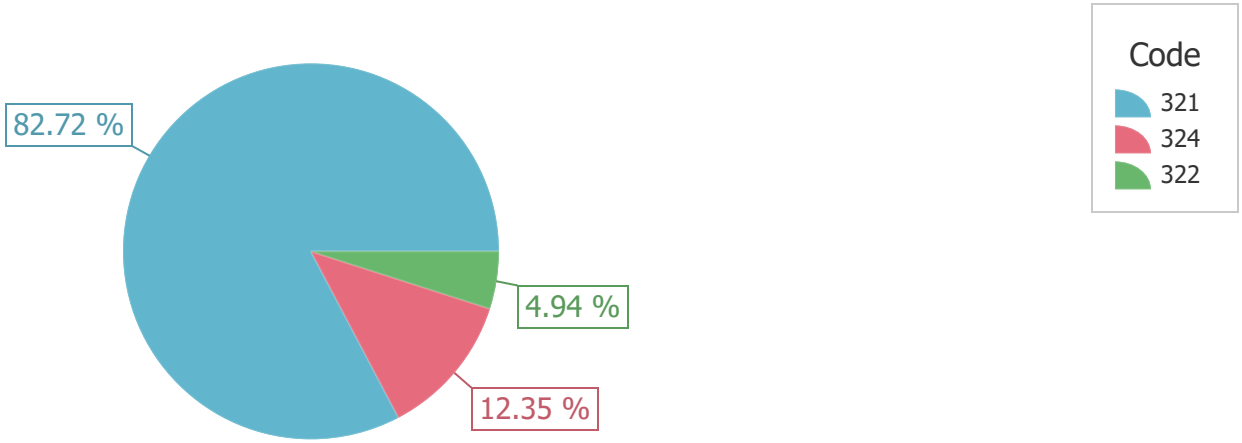
Type Of Incident:	Total Incidents:	Percentage Value:
100s - All types of fire, structure, vehicle and wildland.	**1**	**0.7%**
200s - Excessive heat, explosions and ruptured pipelines. No Fire.	**0**	**0.0%**
300s - Medical assist, traffic accidents, water and ice rescues.	**81**	**60.4%**
400s - Hazardous Conditions, gas leaks and carbon monoxide etc.	**4**	**3.0%**
500s - Public service Calls. Water and smoke problems. Animal rescue.	**8**	**6.0%**
600s - Cancelled calls, controlled burns and smoke invstigation.	**15**	**11.2%**
700s - False alarms. Smoke, heat and CO detector malfunctions.	**16**	**11.9%**
800s - Severe weather, flooding, storm and lightning strike damage.	**8**	**6.0%**
900s - Community participation and citizen concerns.	**1**	**0.7%**
Totals:	**134**	**100.0%**

Incident Reports by Incident Type Series, Summary

Incident Type: 1 - Fire

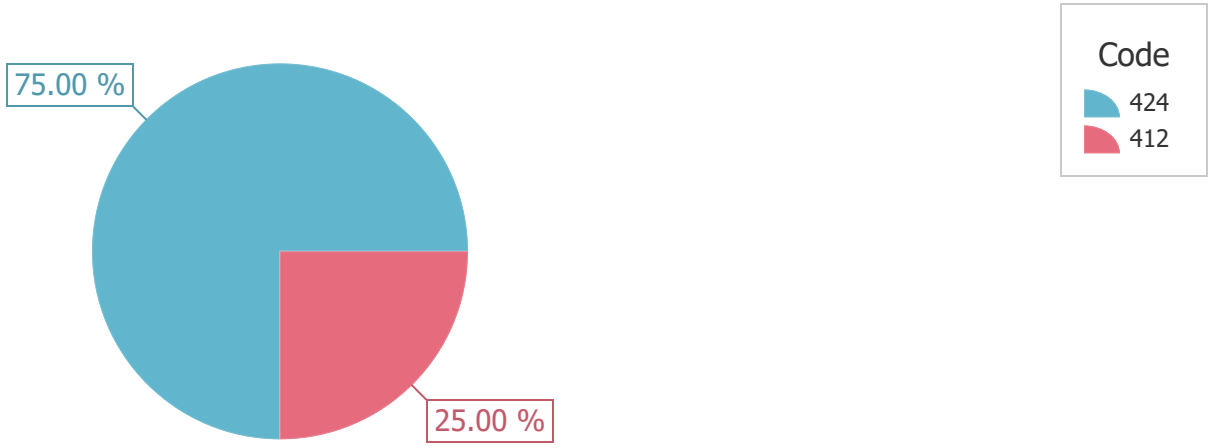
111 - Building fire	1
Total Number of calls for this Major Category:	**1**

Incident Type: 3 - Rescue & Emergency Medical Service Incident



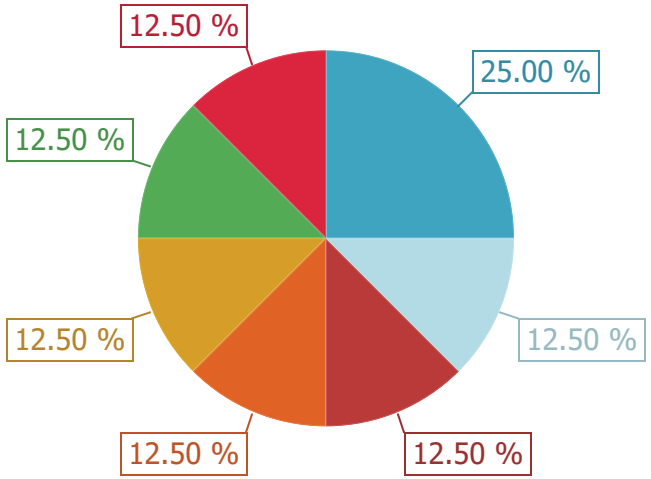
321 - EMS call, excluding vehicle accident with injury	67
322 - Motor vehicle accident with injuries	4
324 - Motor vehicle accident with no injuries.	10
Total Number of calls for this Major Category:	**81**

Incident Type: 4 - Hazardous Condition (No Fire)



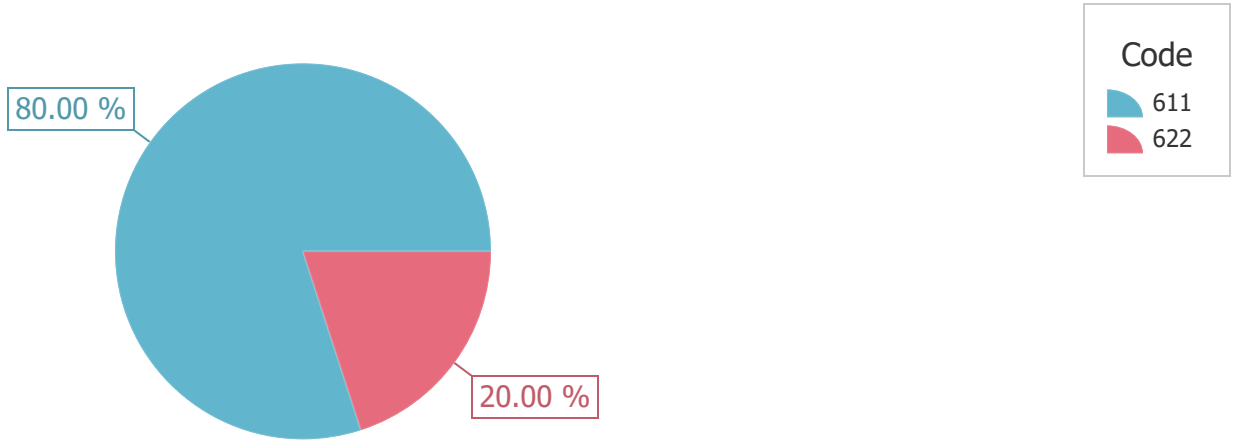
412 - Gas leak (natural gas or LPG)	1
424 - Carbon monoxide incident	3
Total Number of calls for this Major Category:	**4**

Incident Type: 5 - Service Call



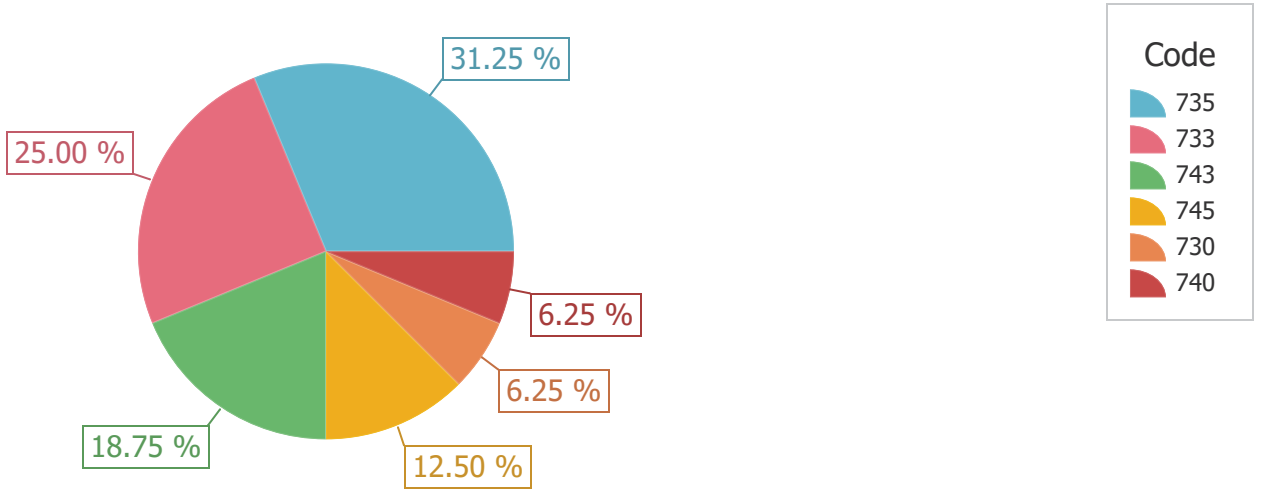
511 - Lock-out	1
531 - Smoke or odor removal	1
550 - Public service assistance, other	1
551 - Assist police or other governmental agency	2
553 - Public service	1
561 - Unauthorized burning	1
571 - Cover assignment, standby, moveup	1
Total Number of calls for this Major Category:	**8**

Incident Type: 6 - Good Intent Call



611 - Dispatched & canceled en route	12
622 - No incident found on arrival at dispatch address	3
Total Number of calls for this Major Category:	**15**

Incident Type: 7 - False Alarm & False Call



730 - System malfunction, other	1
733 - Smoke detector activation due to malfunction	4
735 - Alarm system sounded due to malfunction	5
740 - Unintentional transmission of alarm, other	1
743 - Smoke detector activation, no fire - unintentional	3
745 - Alarm system activation, no fire - unintentional	2
Total Number of calls for this Major Category:	**16**

Incident Type: 8 - Severe Weather & Natural Disaster

813 - Wind storm, tornado/hurricane assessment	8
Total Number of calls for this Major Category:	**8**

Incident Type: 9 - Special Incident Type

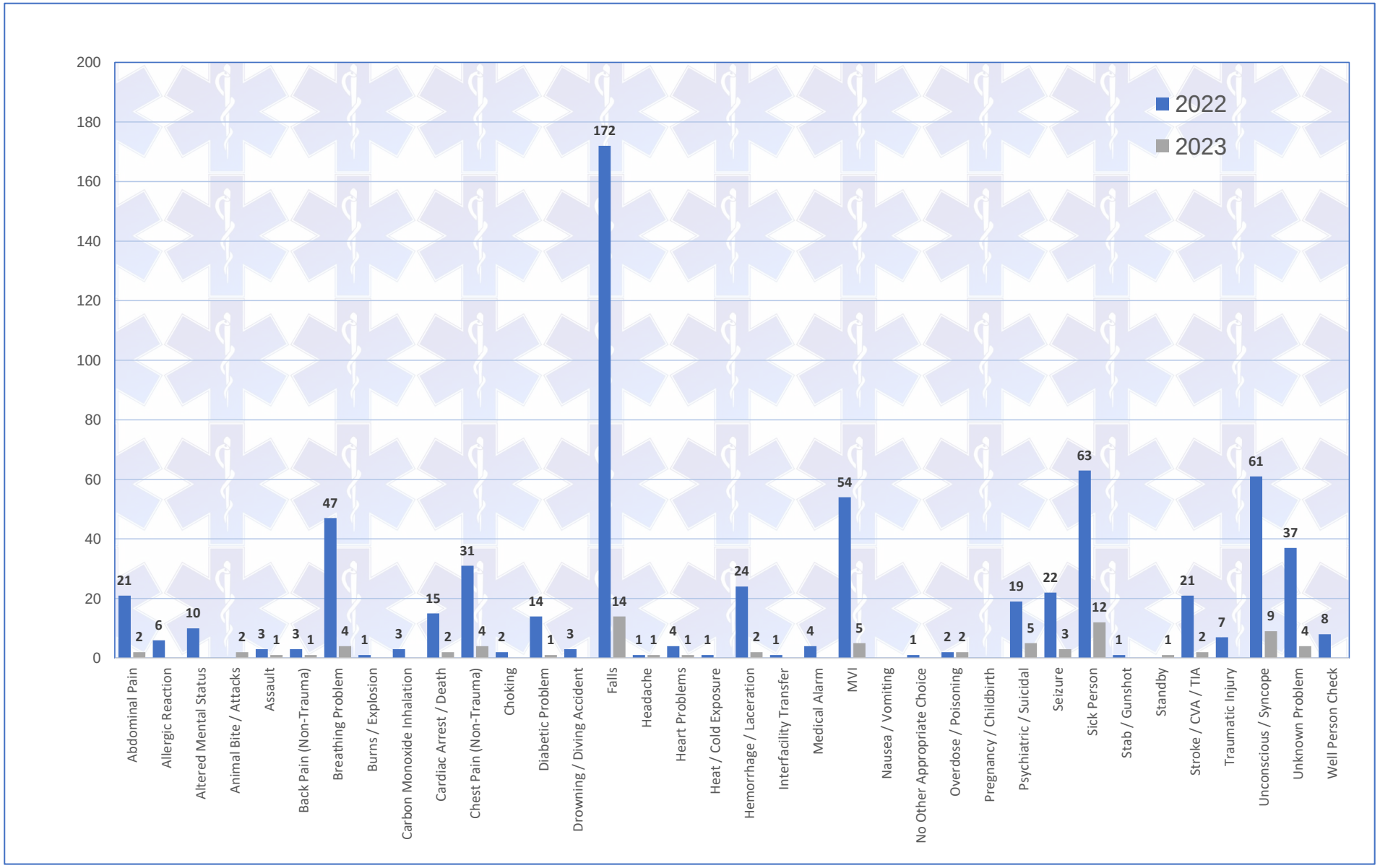
900 - Special type of incident, other	1
Total Number of calls for this Major Category:	**1**

NEMSIS Report 2022 to February 28, 2023

(National Emergency Medical Service Information System)

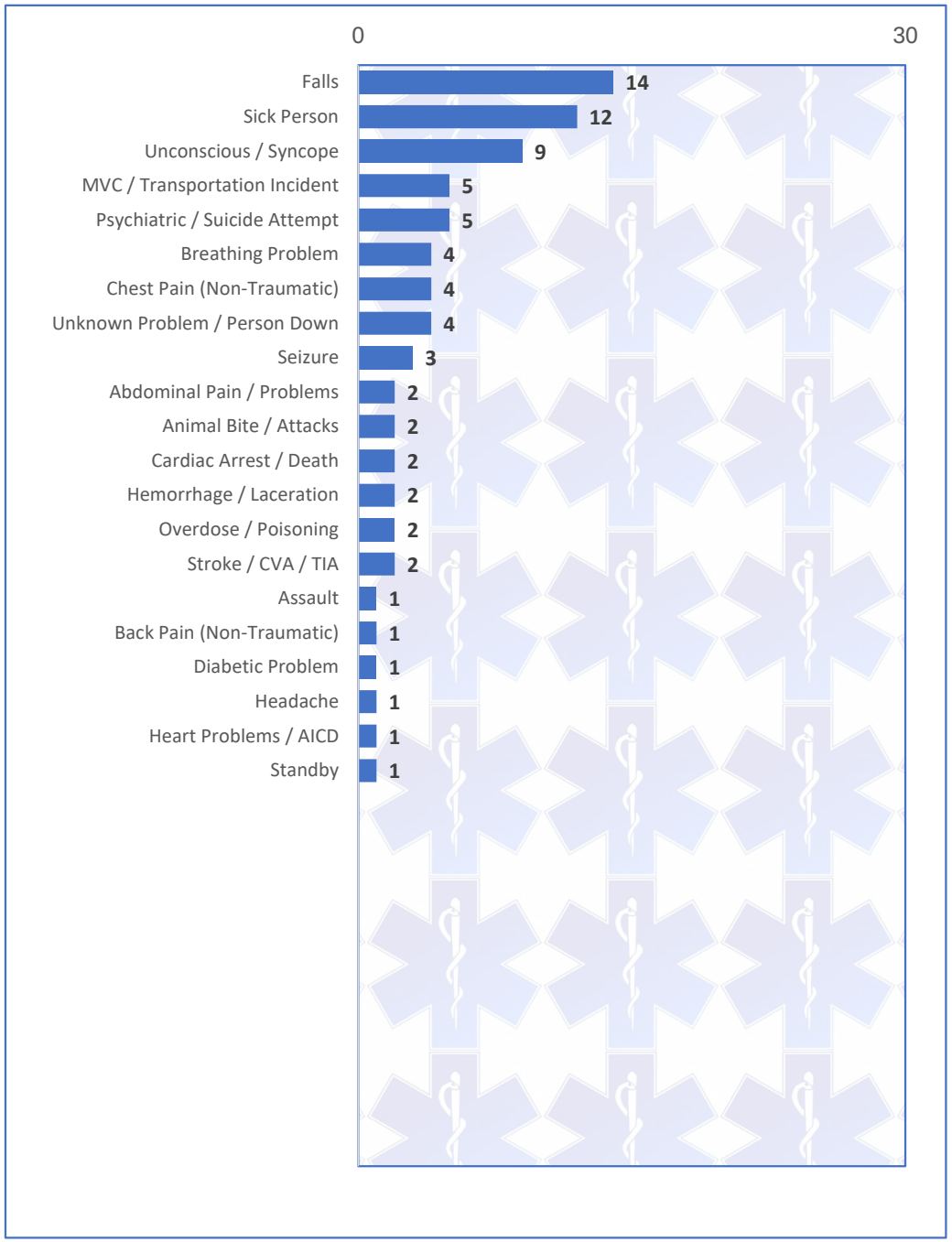
Incident Complaint Reported By Dispatch	Number of Patients 2022	Percent of Total Patients 2022	Number of Patients 2023	Percent of Total Patients 2023
Abdominal Pain	21	3.17%	2	2.22%
Allergic Reaction	6	0.91%		
Altered Mental Status	10	1.51%		
Animal Bite / Attacks			2	4.44%
Assault	3	0.45%	1	
Back Pain (Non-Trauma)	3	0.45%	1	
Breathing Problem	47	7.10%	4	4.44%
Burns / Explosion	1	0.15%		
Carbon Monoxide Inhalation	3	0.45%		
Cardiac Arrest / Death	15	2.27%	2	
Chest Pain (Non-Trauma)	31	4.68%	4	6.67%
Choking	2	0.30%		
Diabetic Problem	14	2.11%	1	2.22%
Drowning / Diving Accident	3	0.45%		
Falls	172	25.98%	14	17.78%
Headache	1	0.15%	1	2.22%
Heart Problems	4	0.60%	1	2.22%
Heat / Cold Exposure	1	0.15%		2.22%
Hemorrhage / Laceration	24	3.63%	2	
Interfacility Transfer	1	0.15%		
Medical Alarm	4	0.60%		
MVI	54	8.16%	5	2.22%
Nausea / Vomiting				
No Other Appropriate Choice	1	0.15%		
Overdose / Poisoning	2	0.30%	2	
Pregnancy / Childbirth				
Psychiatric / Suicidal	19	2.87%	5	6.67%
Seizure	22	3.32%	3	4.44%
Sick Person	63	9.52%	12	20.00%
Stab / Gunshot	1	0.15%		
Standby			1	2.22%
Stroke / CVA / TIA	21	3.17%	2	4.44%
Traumatic Injury	7	1.06%		
Unconscious / Syncope	61	9.21%	9	11.11%
Unknown Problem	37	5.59%	4	4.44%
Well Person Check	8	1.21%		
Totals EMS	**662**	**100%**	**78**	**100%**
Totals All NFIRS Categories	**1,023**	**65%**	**134**	**58%**

EMS Calls in 2022 and end of February 2023



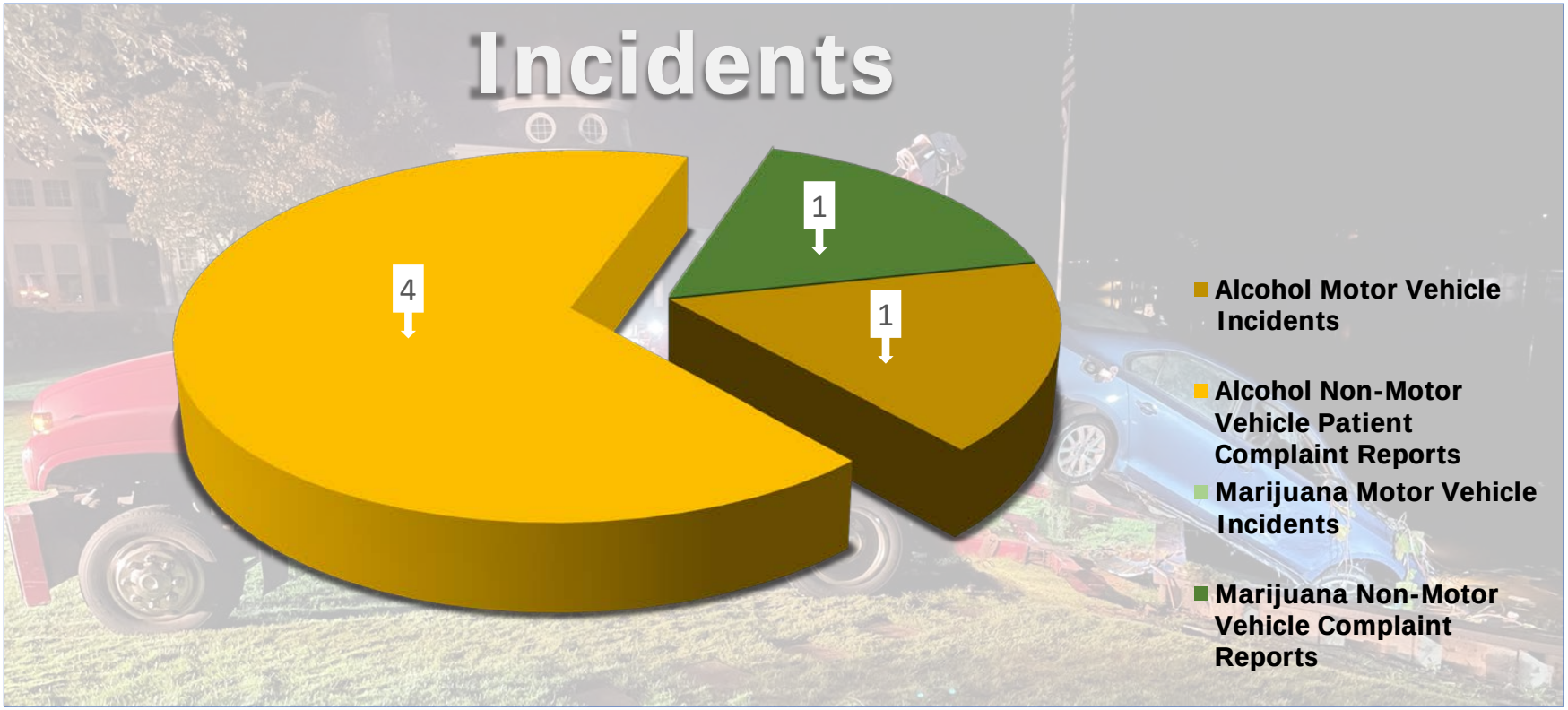
NEMSIS Report from January 1 to February 28, 2023

(National Emergency Medical Service Information System)



Incident Complaint Reported By Dispatch	Number of Patients	Percent Total Runs
Falls	14	17.95%
Sick Person	12	15.38%
Unconscious / Syncope	9	11.54%
MVC / Transportation Incident	5	6.41%
Psychiatric / Suicide Attempt	5	6.41%
Breathing Problem	4	5.13%
Chest Pain (Non-Traumatic)	4	5.13%
Unknown Problem / Person Down	4	5.13%
Seizure	3	3.85%
Abdominal Pain / Problems	2	2.56%
Animal Bite / Attacks	2	2.56%
Cardiac Arrest / Death	2	2.56%
Hemorrhage / Laceration	2	2.56%
Overdose / Poisoning	2	2.56%
Stroke / CVA / TIA	2	2.56%
Assault	1	1.28%
Back Pain (Non-Traumatic)	1	1.28%
Diabetic Problem	1	1.28%
Headache	1	1.28%
Heart Problems / AICD	1	1.28%
Standby	1	1.28%
Totals EMS	**78**	**100%**
Totals All Calls	**134**	**58%**

2023 YTD Alcohol and Marijuana Related



Type Of Incident:		Incidents:	Percentage:
01	Alcohol Motor Vehicle Incidents	1	1%
02	Alcohol Non-Motor Vehicle Patient Complaint Reports	4	5%
03	Marijuana Motor Vehicle Incidents	0	0%
04	Marijuana Non-Motor Vehicle Complaint Reports	1	1%
	Total Impaired Complaints	6	8%
	All other EMS Complaints	72	92%
	Total EMS Complaints	78	100%

2018-2023 Alcohol and Marijuana Related

Alcohol		Marijuana		Totals		
Alcohol Motor Vehicle Incidents	Alcohol Non-Motor Vehicle Patient Complaint Reports	Marijuana Motor Vehicle Incidents	Marijuana Non-Motor Vehicle Complaint Reports	Annual Grand Total	Difference in Percent from Previous Year	Year
1	4	0	1	6	-86%	2023
4	34	1	5	44	-24%	2022
5	43	0	7	55	-5%	2021
2	47	2	7	58	0%	2020
2	55	0	1	58	-9%	2019
3	58	1	2	64	-	2018
Totals by Category						
16	237	4	22	279		

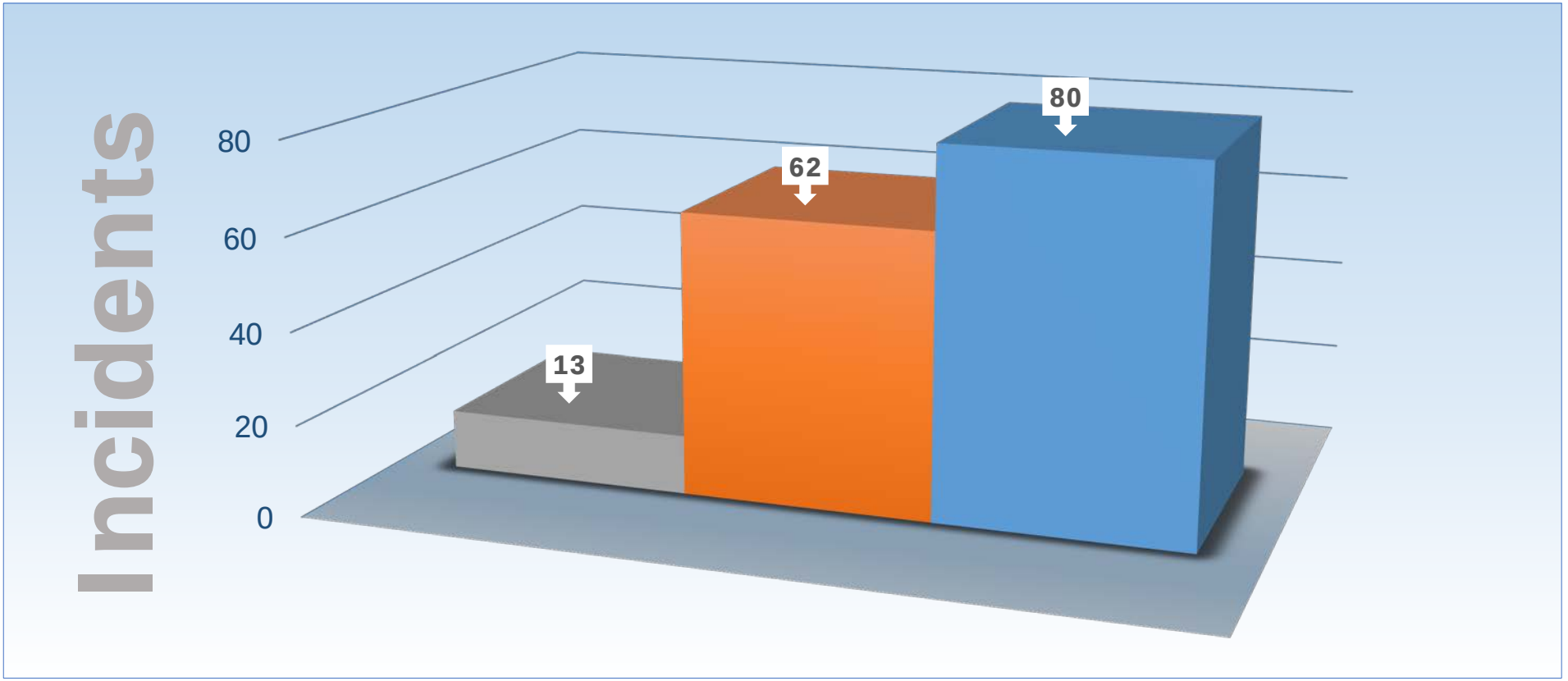
Cardiac Arrest Incidents 2014-2023 Totals

[Not including incidents of obvious deaths with no medical intervention]

LUCAS and I-Gel Deployment				Patient Condition						Total Incidents		
LUCAS Standby	LUCAS Deployed	I-Gel Standby	I-Gel Deployed	Pulse Detected	Patient deceased on scene	Patient transported	Patient deceased at hospital	Patient released from hospital	Unknown Patient Status	Year Grand Total	Percent from Previous Year	Year
2	0	2	0	0	2	0	0	0	0	2	-82%	2023
3	7	4	6	2	9	2	2	0	0	11	57%	2022
4	10	4	8	8	5	8	4	0	4	15	36%	2021
1	10	2	1	3	8	3	3	0	0	11	57%	2020
1	6	0	0	4	3	4	3	1	0	7	250%	2019
1	1	0	0	0	2	0	0	0	0	2	-80%	2018
0	10	-	-	4	9	4	2	2	0	10	25%	2017
0	8	-	-	6	2	6	5	1	0	8	100%	2016
0	4	0	0	1	3	1	0	1	0	4	100%	2015
0	2	0	0	0	2	0	0	0	0	2	-	2014
Totals by Category												
12	58	12	15	28	45	28	19	5	4	72		

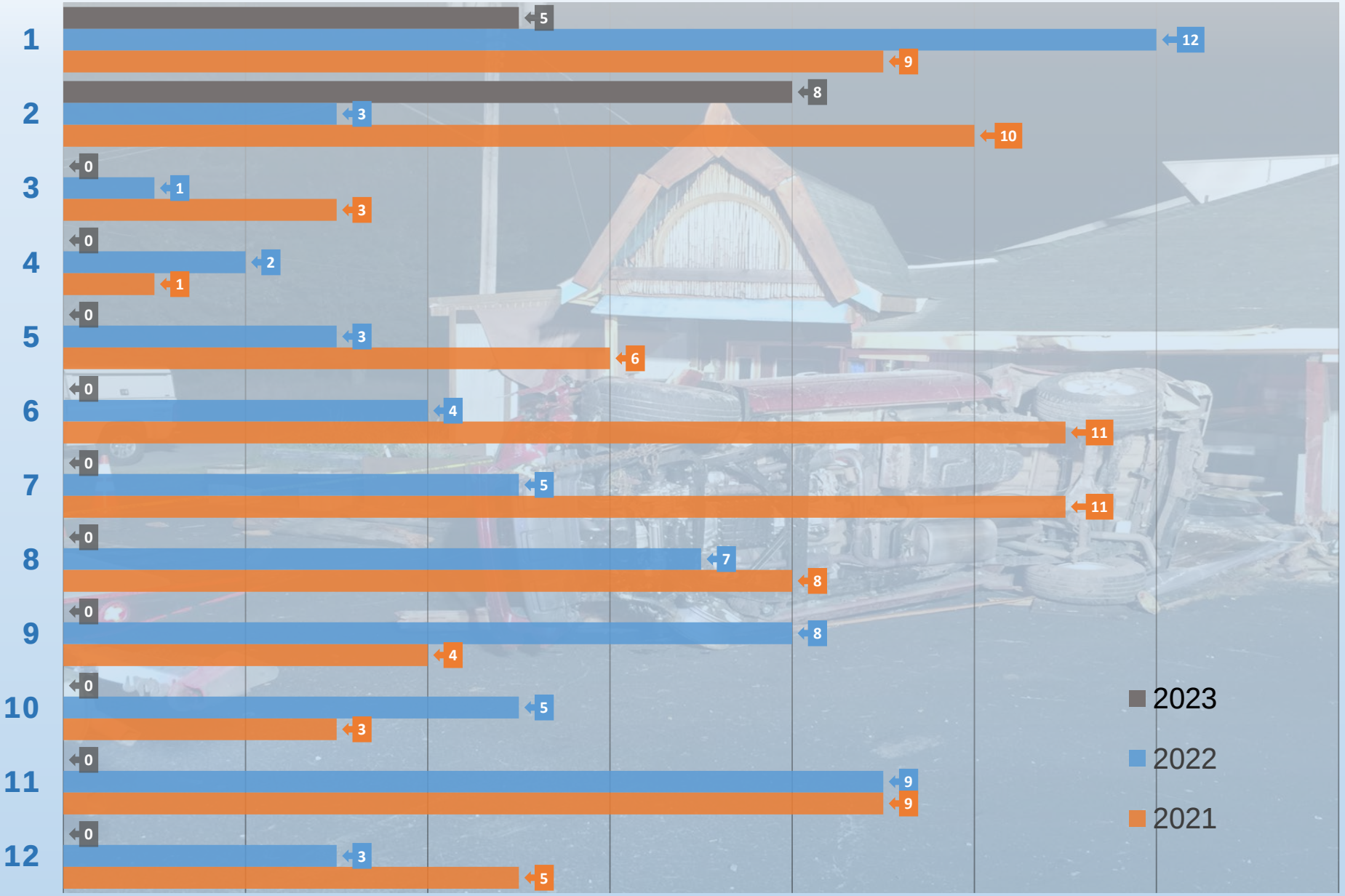
2021-2023 Motor Vehicle Incidents

[All incidents with any motorized vehicle involved in accidents, fires etc.]



As of:	# of Incidents	+/-	+/- %	Extrication	%
02/28/2023	13	(49)	(79.03)	0	0.0
12/31/2022	62	(18)	(22.50)	4	6.5
12/31/2021	80	36	81.82	3	3.8

MV Incidents by Month 2021-2023



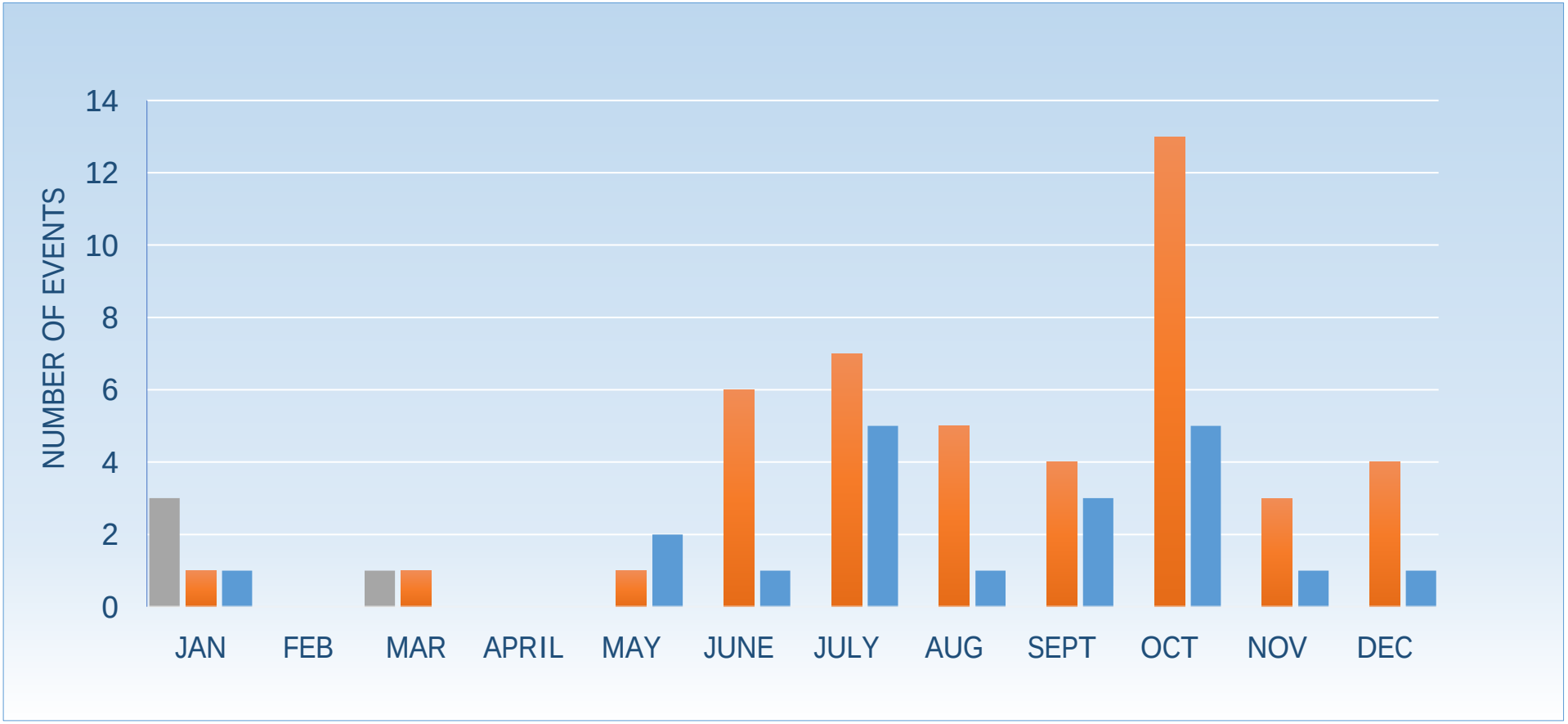
2015-23 MVIs by Month

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	5	8											13
2022	12	3	1	2	3	4	5	7	8	5	9	3	62
2021	9	10	3	1	6	11	11	8	4	3	9	5	80
2020	2	2	2	1	5	8	7	3	4	5	4	1	44
2019	10	11	10	5	2	4	10	8	8	7	5	3	83
2018	9	5	4	5	9	5	7	6	6	0	1	7	64
2017	4	4	2	2	7	7	8	4	2	3	2	7	52
2016	15	8	3	13	4	8	16	4	0	2	5	11	89
2015	6	11	3	1	3	6	7	7	4	2	1	2	53
Average	8	7	4	4	5	7	9	6	5	3	5	5	66

Lowest Highest

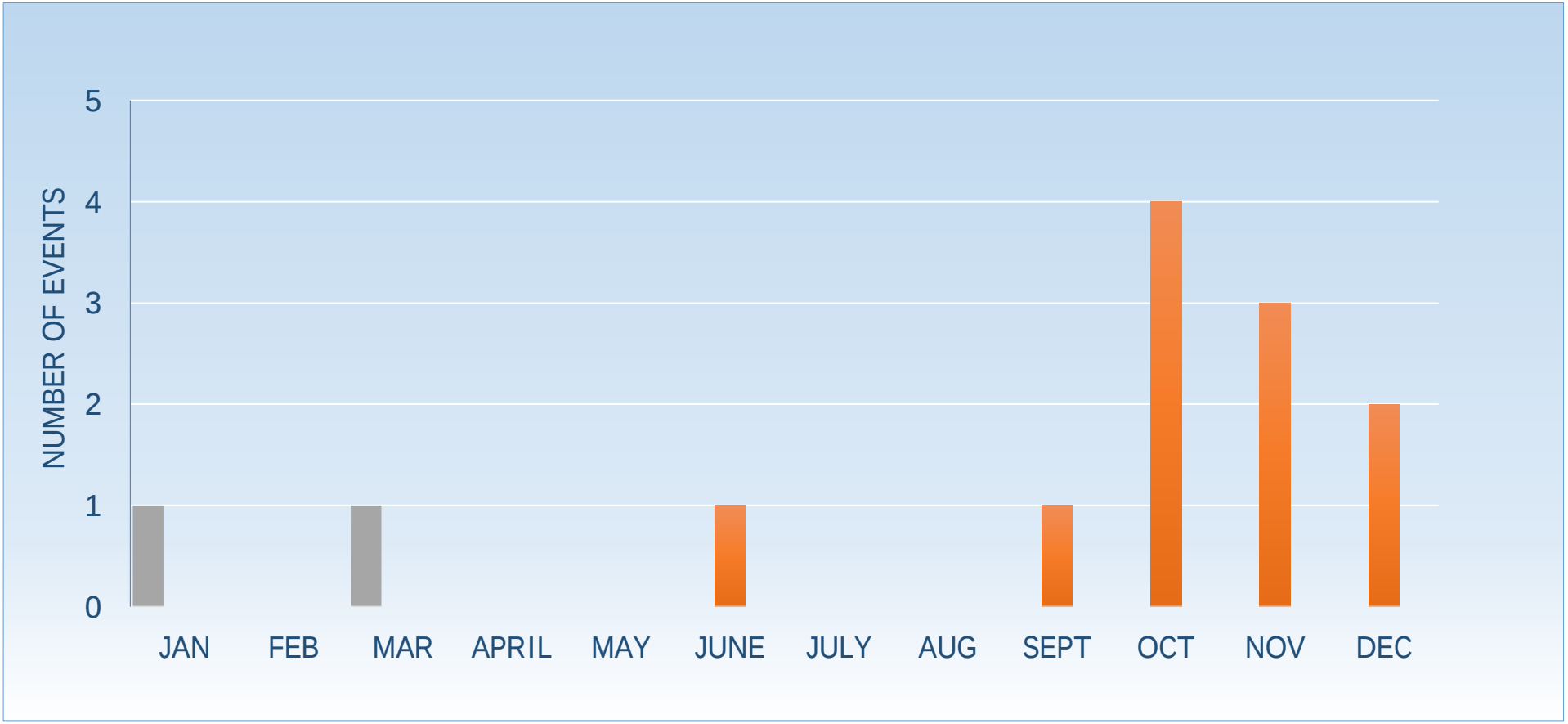
2021-2023 Special Events by month

Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
2023	3	0	1										4
2022	1	0	1	0	1	6	7	5	4	13	3	4	45
2021	1	0	0	0	2	1	5	1	3	5	1	1	20



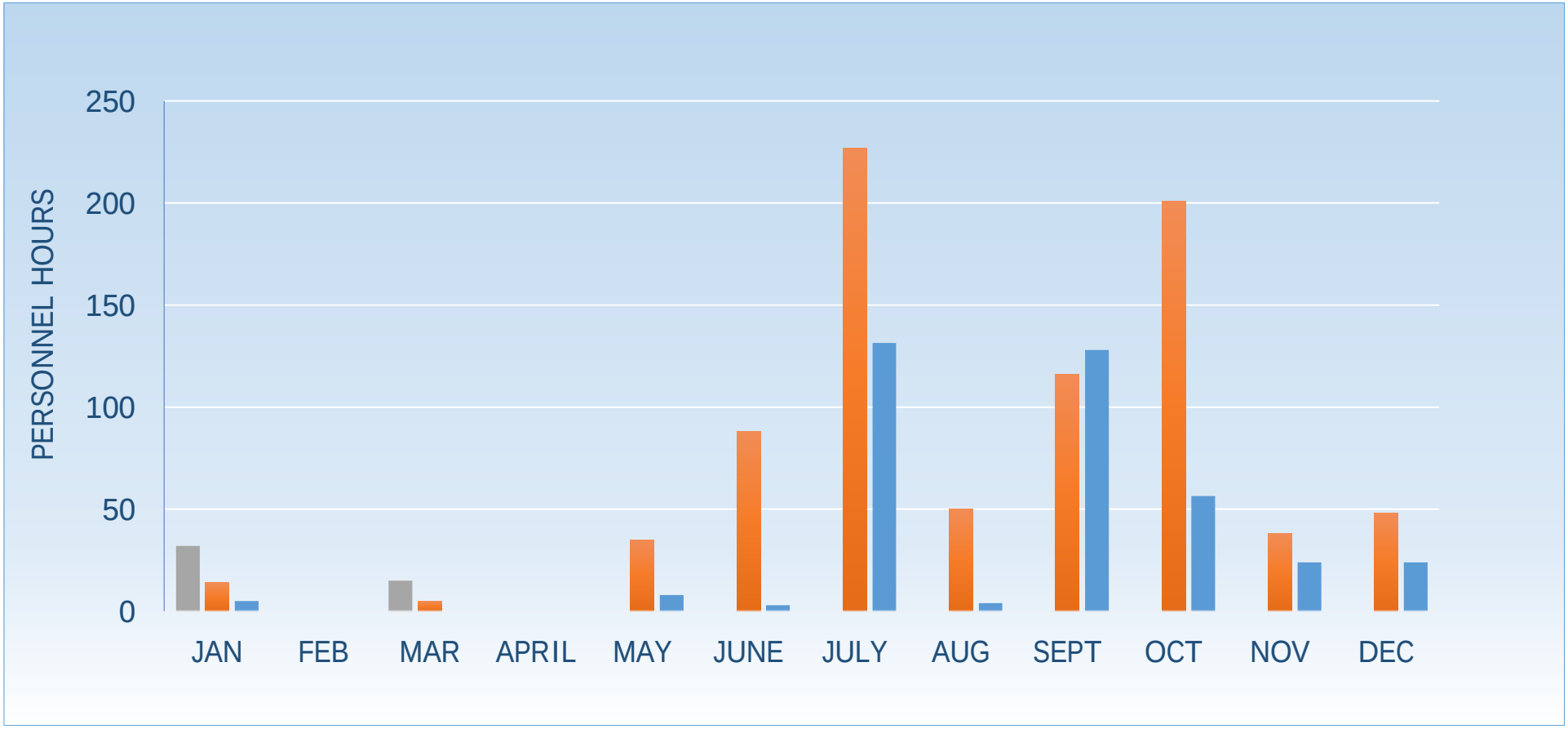
2021-2023 Instructional Events by month

Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
2023	1	0	1										2
2022	0	0	0	0	0	1	0	0	1	4	3	2	11
2021	0	0	0	0	0	0	0	0	0	0	0	0	0



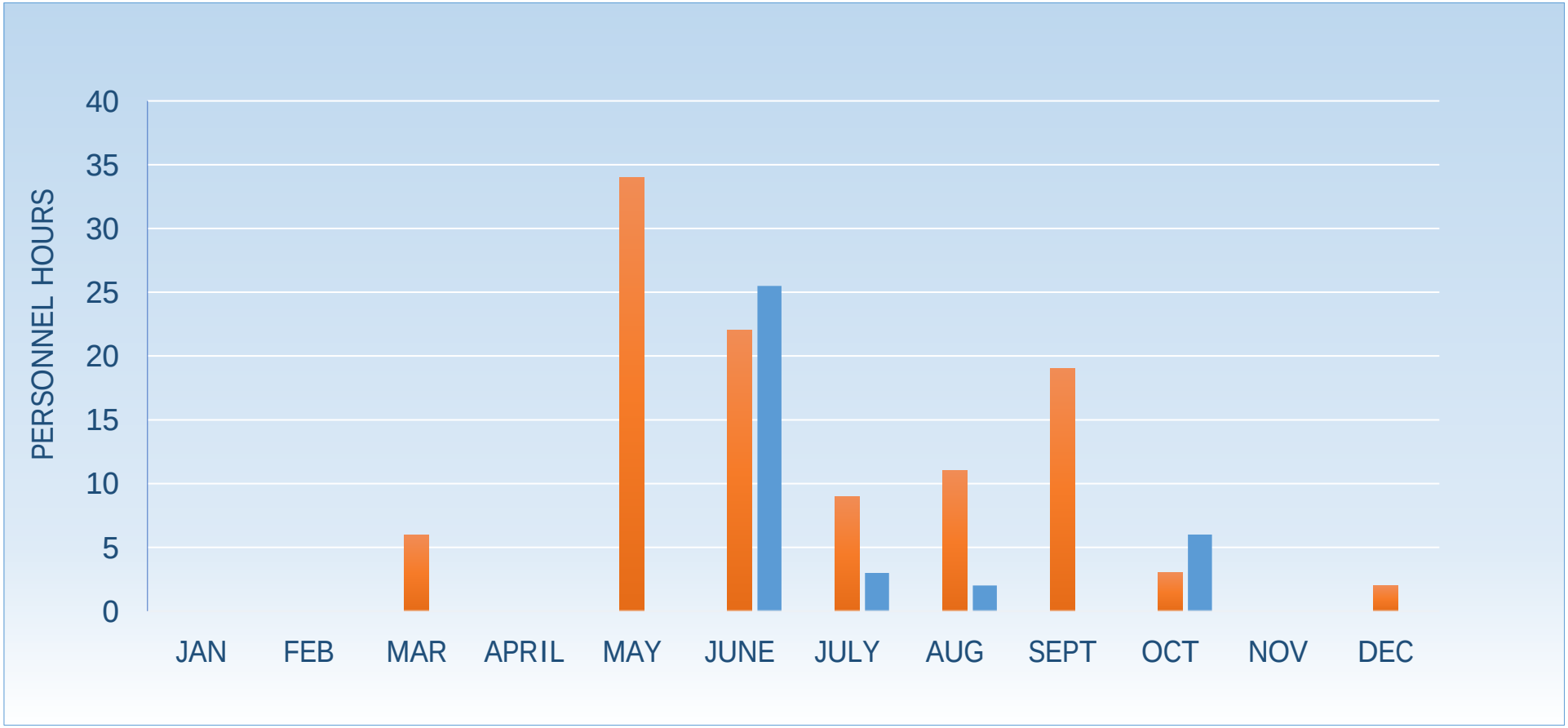
2021-2023 Special Events Personnel Hours

Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
2023	32	0	15										47
2022	14	0	5	0	35	88	227	50	116	201	38	48	822
2021	5	0	0	0	8	3	132	4	128	57	24	24	384

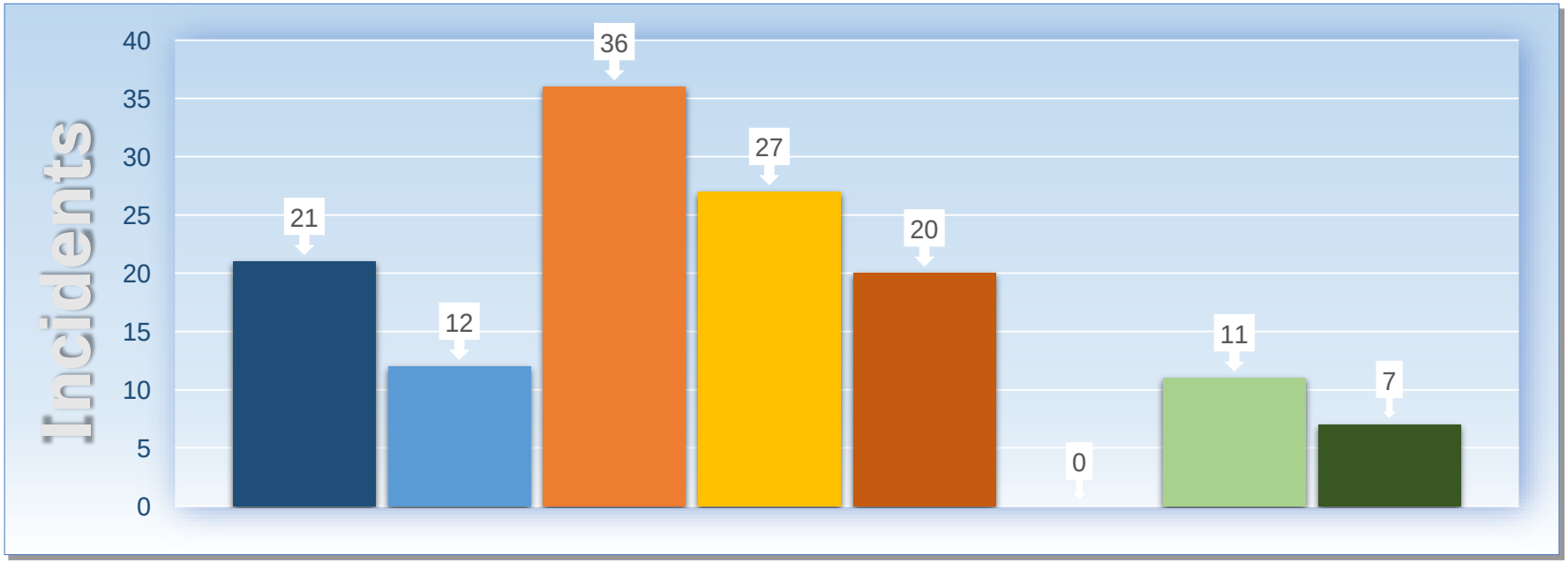


2021-2023 Special Events Preparation Hours

Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
2023	0	0											0
2022	0	0	6	0	34	22	9	11	19	3	0	2	106
2021	0	0	0	0	0	26	3	2	0	6	0	0	37

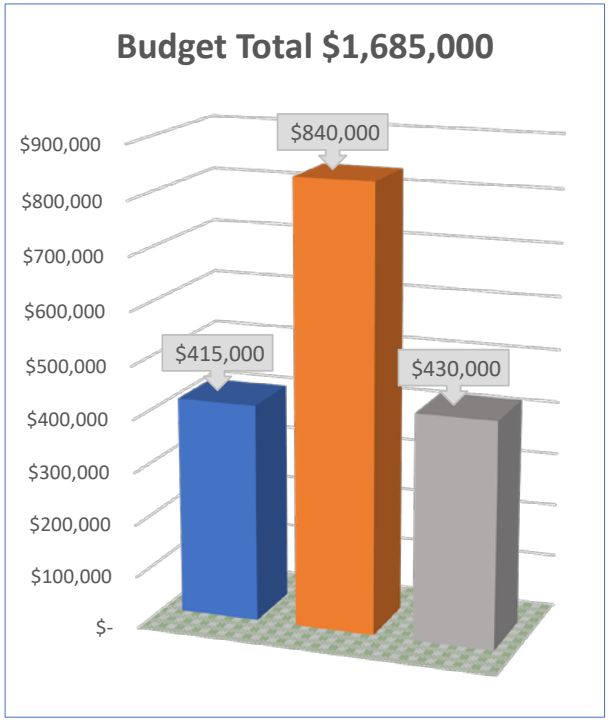


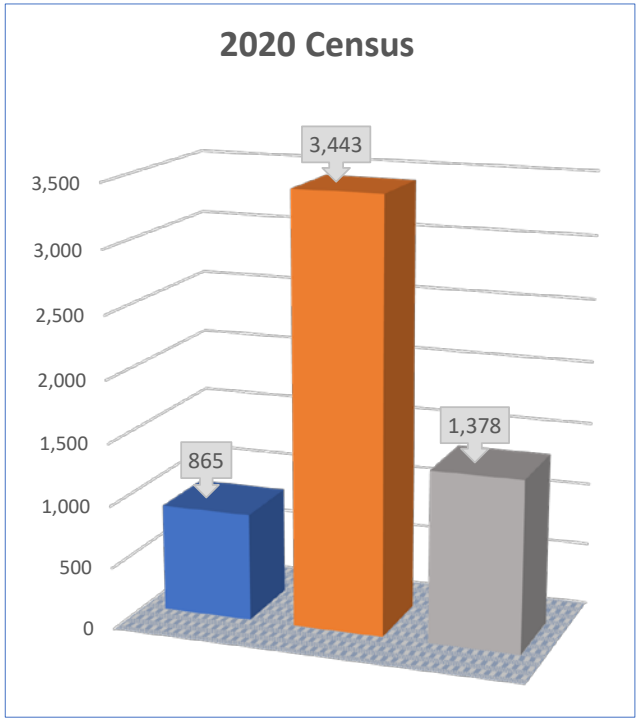
2023 Incidents by Area

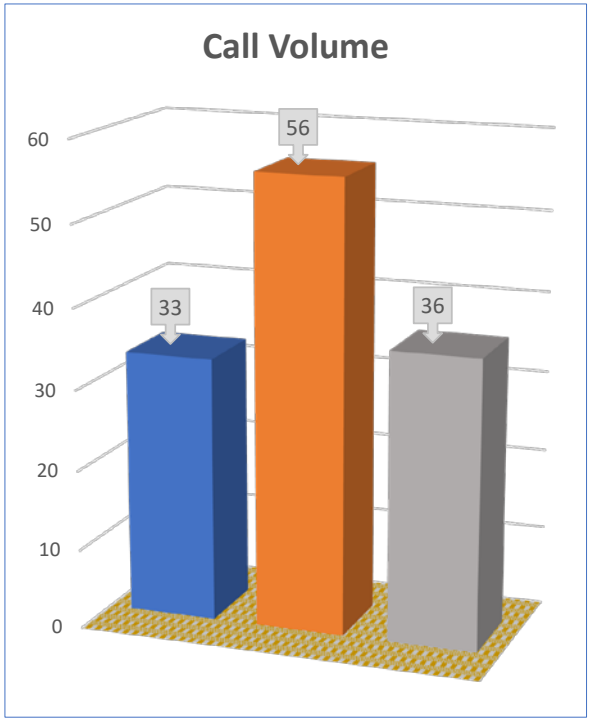


Area	February 28	%
Saugatuck North	21	15.7
Saugatuck South	12	9.0
Douglas	36	26.9
Township North	27	20.1
Township South	20	14.9
Lake Michigan	0	0.0
I-196	11	8.2
Outside Area	7	5.2
Total	134	100.0

2023 Key numbers for Tri-Community



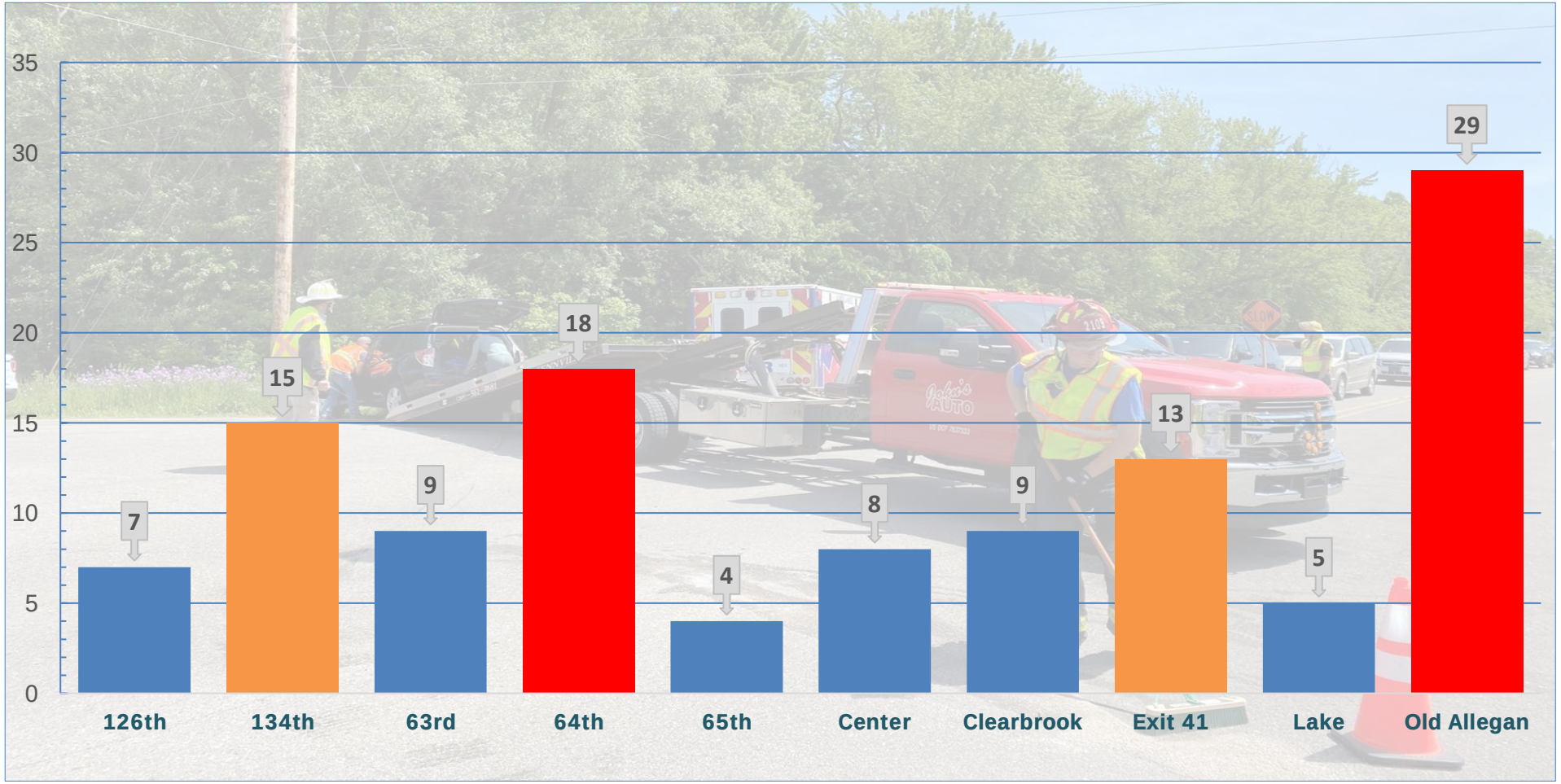




	Square Miles		Budget	%	2020 Census	%	Call Volume	%
Saugatuck City	1.47	$	415,000	24.6	865	15.2	33	26.4
Saugatuck Township	24.21	$	840,000	49.9	3,443	60.6	56	44.8
City of Douglas	1.98	$	430,000	25.5	1,378	24.2	36	28.8
Total	27.66	$	1,685,000	100.0	5,686	100.0	125	100.0

Accidents at Blue Star Intersections 1999-2023

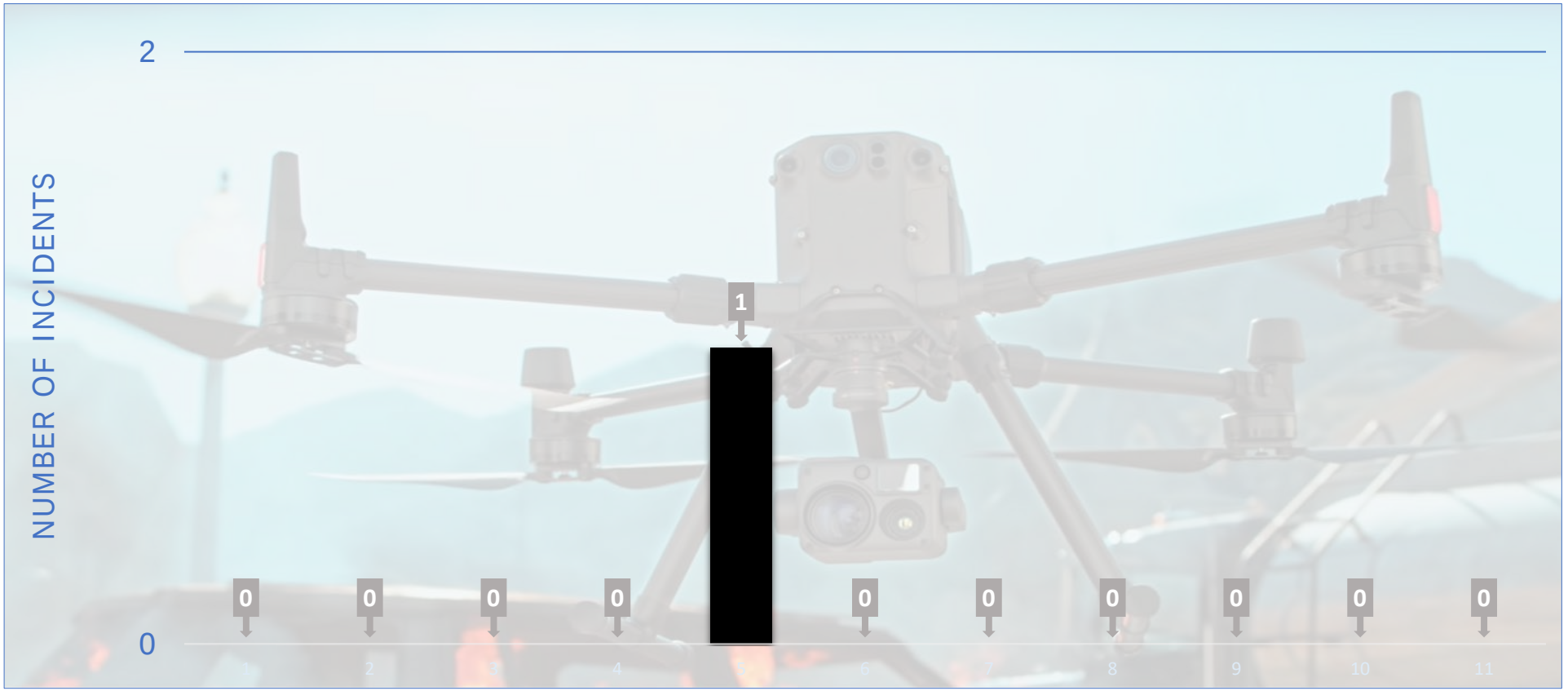
Total All 24 Intersections: 149



126th	134th	63rd	64th	65th	Center	Clearbrook	Exit 41	Lake	Old Allegan
7	15	9	18	4	8	9	13	5	29

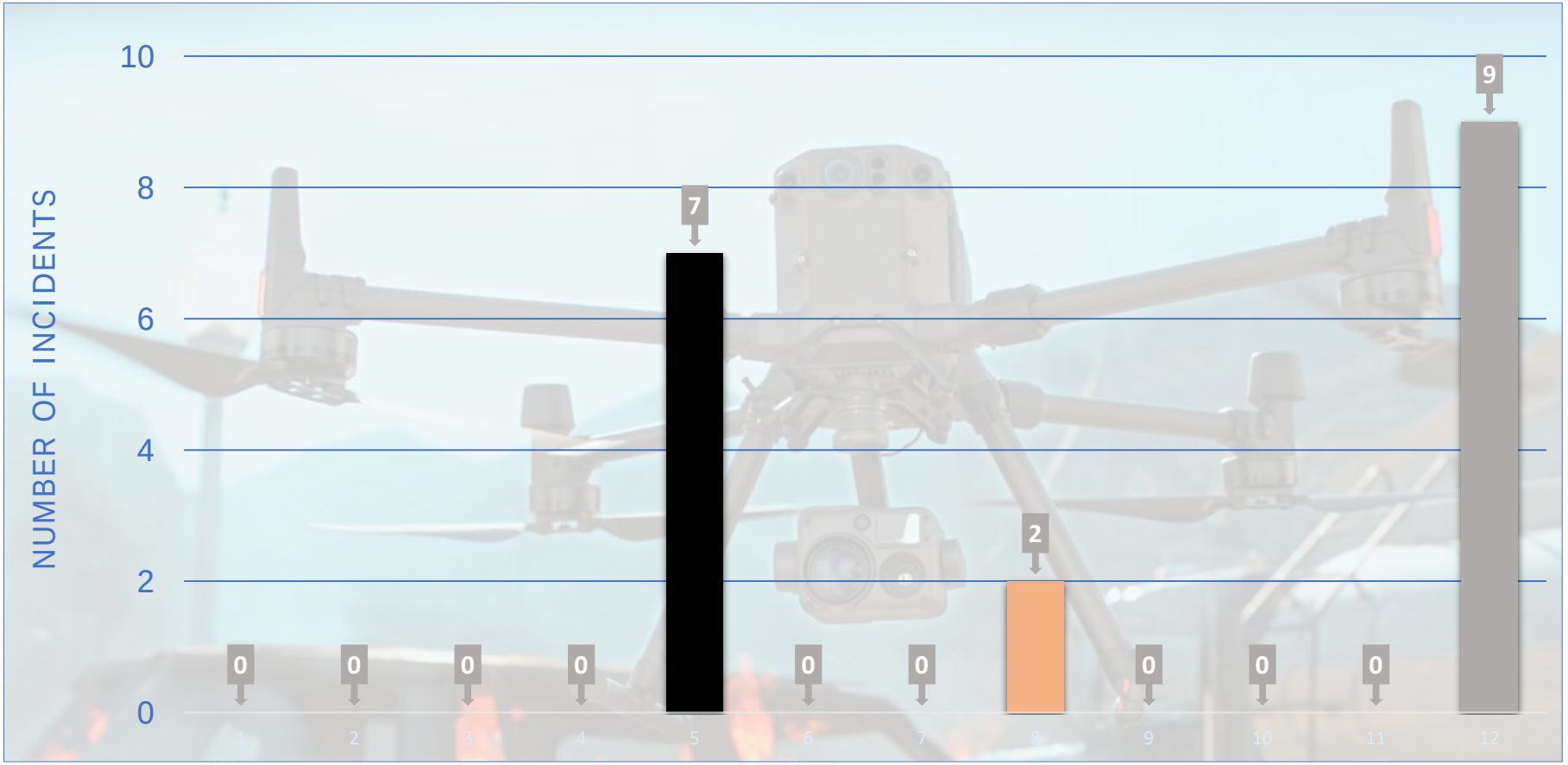
Since the traffic control devices have been put in place, we have not tracked one motor vehicle accident at BSH and OAR. Saugatuck Townships implementation of digital speed signs on BSH and the flashing STOP sign at OAR have reduced MVI's. This a great example of Community Risk Reduction process by Saugatuck Township. Strong and effective Township leadership identified and prioritized local risks, integrated collaborative resources and took action to mitigate the loss of life and property.

2023 Drone Responses



Structure Fire	0	Road Incident	0	Totals as of: 2/28/2023
Wildland Fire	0	Events	0	1
Water Rescue	0	Drone Training	0	
Boating Incident	0	General Training	0	
Missing Person	1	Work Detail	0	
EMS	0			

2022-2023 Drone Responses

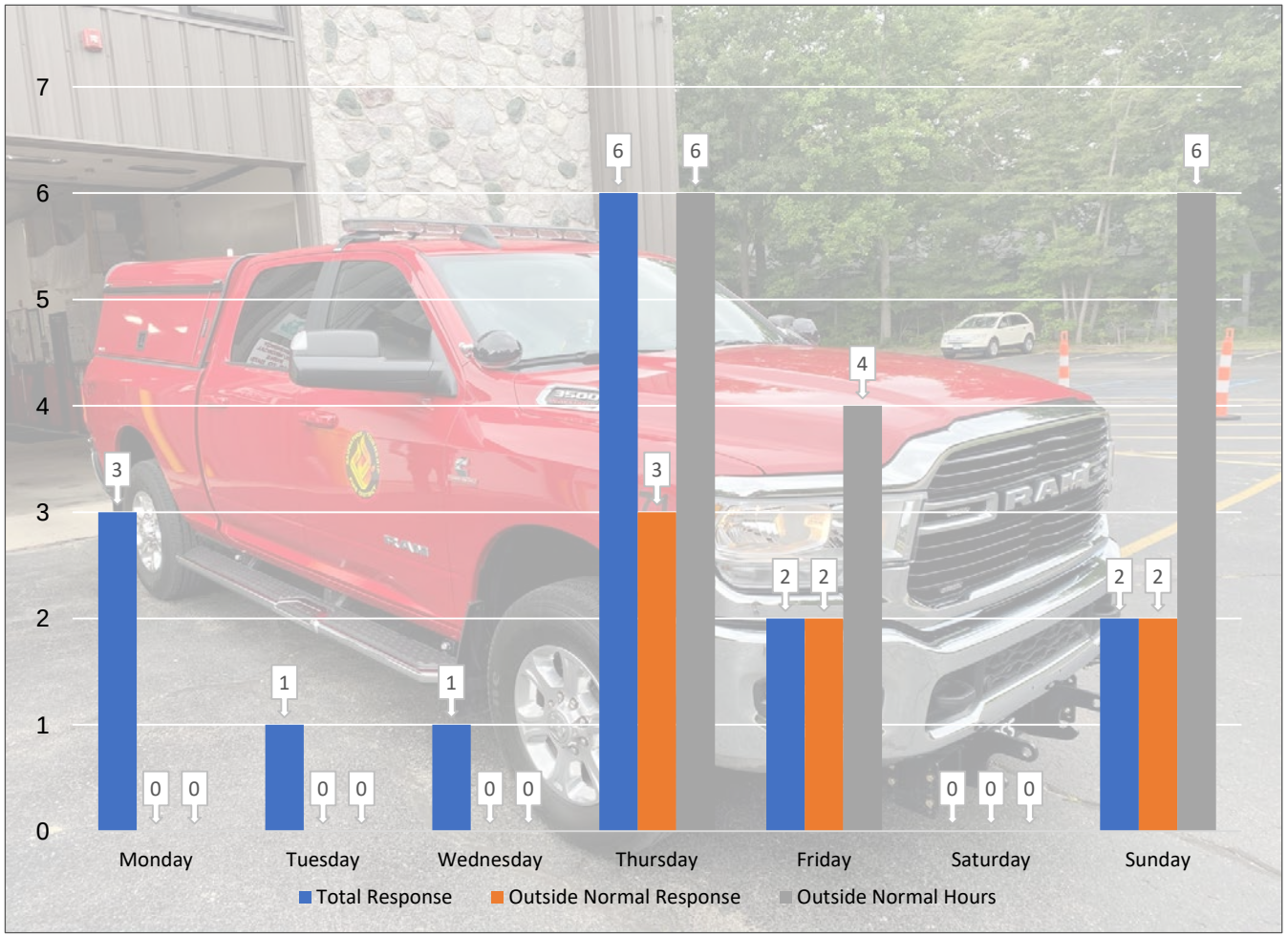


Structure Fire	0	Road Incident	0	2022-2023 Totals
Wildland Fire	0	Events	2	9
Water Rescue	0	Drone Training	0	
Boating Incident	0	General Training	0	
Missing Person	7	Work Detail	0	

2022-2023 - List of Totals

Emergencies								Non-Emergencies					Totals		
Structure Fire	Wildland Fire	Water Rescue	Boating Incident	Missing Person	EMS	Road Incident	Total	Events	Drone Training	General Training	Work Detail	Total	Year Grand Total	Percent from Previous Year	Year
0	0	0	0	1	0	0	1	0	0	0	0	0	1	-88%	2023
0	0	0	0	6	0	0	6	2	0	0	0	2	8	0%	2022
Totals by Category															
0	0	0	0	7	0	0	7	2	0	0	0	2	9		2

Chief Janik's Response 2023



Normal Hours:
Monday-Thursday 6AM-5PM

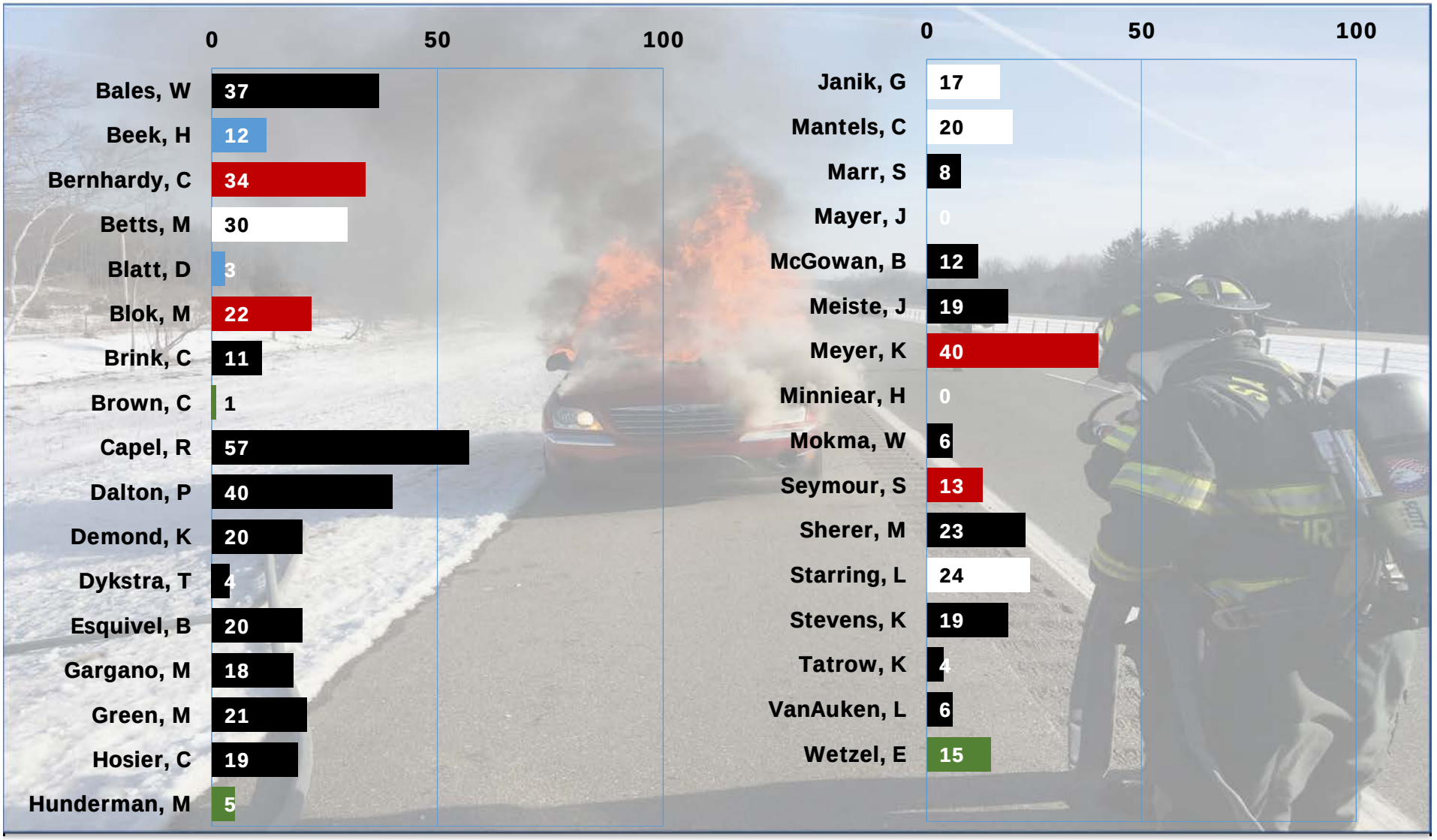
Total Response:
All calls during the week.

Outside Normal Response:
Number of calls between the hours of 5PM to 6AM, Monday thru Thursday and Thursday 5PM to Monday 6AM.

Outside Normal Hours:
Total accrued hours according to above schedule.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
Total Response	3	1	1	6	2	0	2	15
Outside Normal Response	0	0	0	3	2	0	2	7
Outside Normal Hours	0	0	0	6	4	0	6	16

2023 Personnel Response to Incidents



Total Incidents: 134 | Chiefs | Officers | Firefighters | EMS | Probationary | Trainee