

SEDGWICK COUNTY EMS

2024 OPERATIONS



Prepared January 13, 2025

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EMS Systems & Chief Data Officer

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YEAR ON YEAR COMPARISON

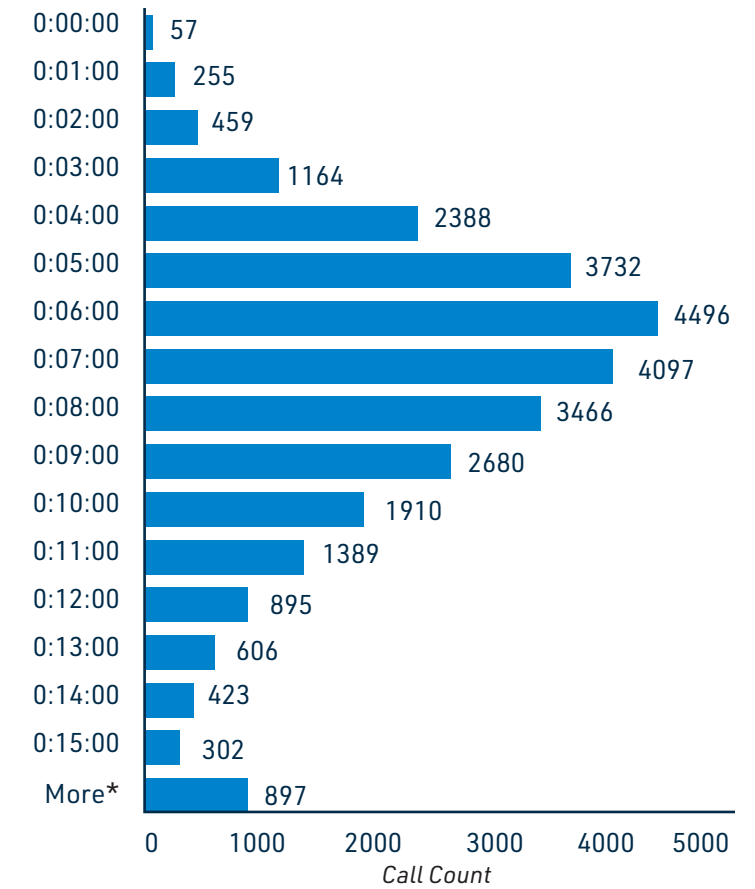
	2023	2024
Calls (Dispatches)	68,085	71,604
Emergency	61,900	65,216
Non-Emergency	6,211	6,395
Calls with Patients (valid calls)	60,741	63,102
Transport	44,366	46,437
Calls/Day	187 (avg)	196 (avg)
Calls/Month	5,674 (avg)	5,967 (avg)
P1-2 count	28,495	29,940
P7 count	2,412	2,945
P8 count	4,453	5,427
P9 count	160	30
RT: P1 - P2	7:00 (avg), 11:38 (90th %)	7:05 (avg), 11:45 (90th %)
RT: P1 - P6	7:40 (avg), 12:56 (90th %)	7:45 (avg), 13:03 (90th %)
Scheduled UH	140,160	149,328.0
Produced UH	128,735.5	136,168.0
CRV Calls	186	212
CRV calls (P1 & P2)	67	64
ICT-1 calls	1046	820
ICT-1 calls with Patients	415	374
CRV RT (All)	5:59 (avg), 11:16 (90th%)	6:26 (avg), 11:33 (90th%)
CRV RT (P1 & P2)	5:23 (avg), 09:44 (90th%)	6:50 (avg), 11:53 (90th%)

UH = Unit Hours
 RT = Response Time
 CRV = Community Response Vehicle
 ICT = Integrated Care Team

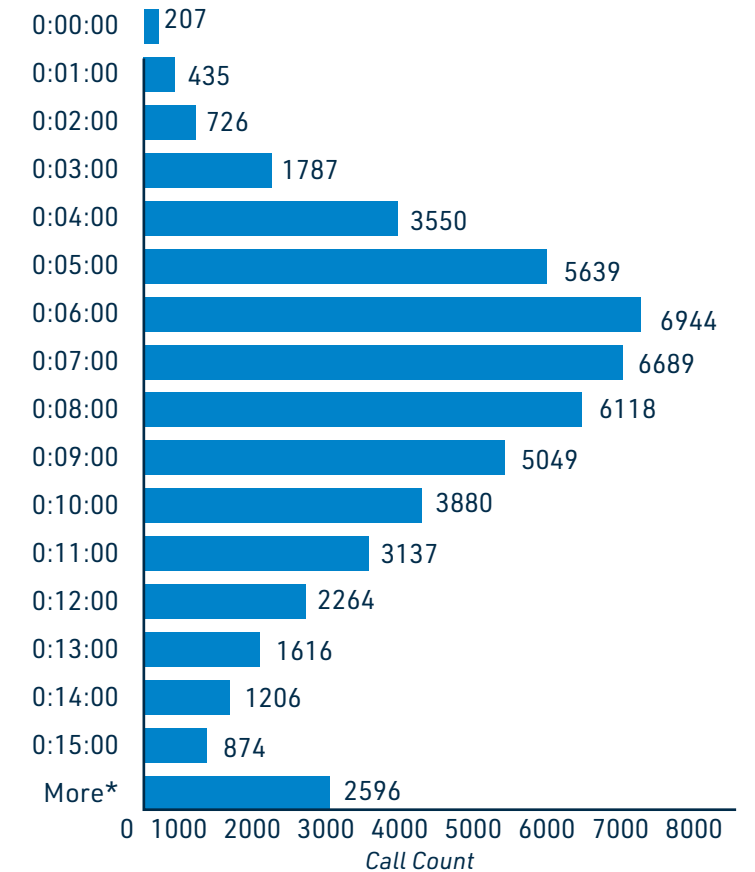
P1-P2 = Emergency, lights & sirens response
 P3-P6 = Emergency, no lights & sirens response
 P7 = Emergency interfacility transfer
 P8 = Non-emergency interfacility transfer
 P9 = Specialty care interfacility transfer

*"More" includes times where units stand-off due to scene safety

2024 LIGHTS & SIRENS CALL RESPONSE TIME (P1 - P2)



2024 EMERGENCY CALL RESPONSE TIME (P1 - P6)



2024 HIGHLIGHTS



PROMOTION CEREMONY

COMMUNITY HANDS ONLY CPR EVENT

SGCO SUPERVISOR TRAINING SERIES GRADUATION



WINGAPALOOZA

BREAST CANCER AWARENESS T SHIRT AND DONATION TO VICTORY IN THE VALLEY

DMSU TRAINING WITH SCHC

2024 | January | February | March | April | May | June | July | August | September | October | November | December



HCC PARAMEDIC GRADUATION-E2P

EMS WEEK PICNIC

CARDIAC SURVIVOR MEET AND GREET

SHELIA KING KEMSA SUPPORT PERSON OF THE YEAR AWARD

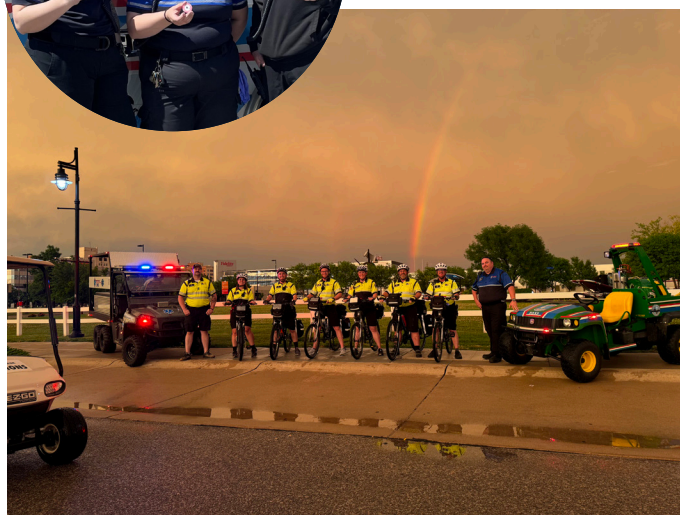


PROMOTION CEREMONY

PARAMEDIC GRADUATION COWLEY COLLEGE



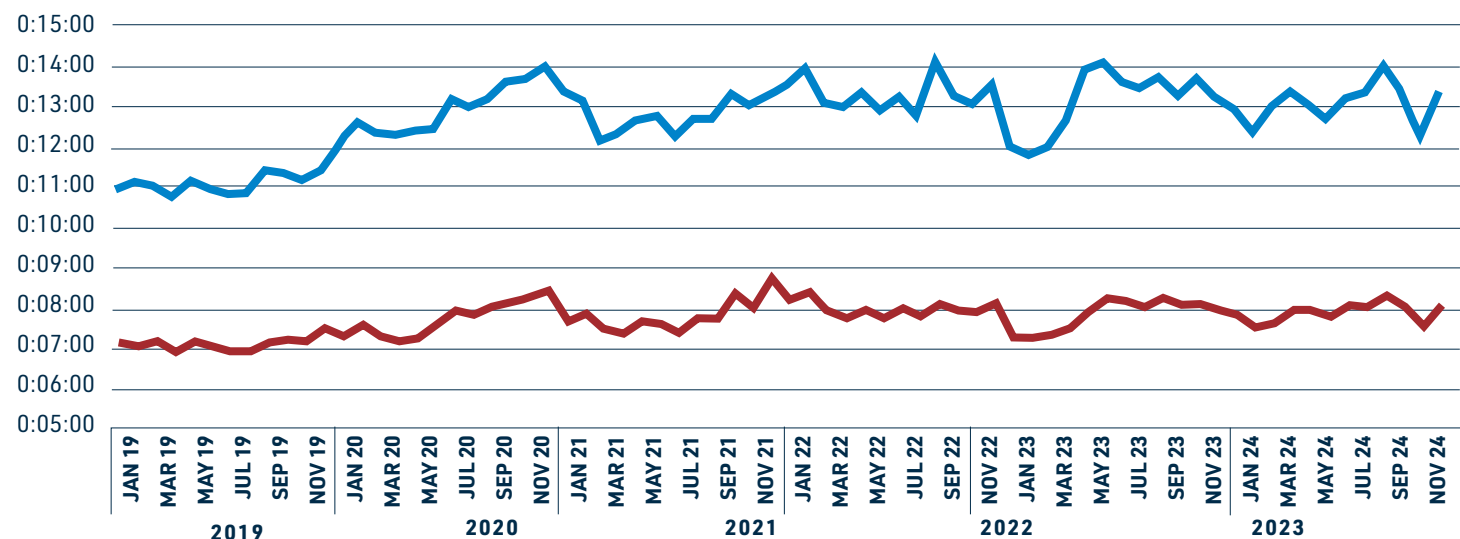
RIVERFEST



Priority 1 & 2 calls were **46%** of emergency calls in 2024.



90TH PERCENTILE RESPONSE TIME ALL EMERGENCY CALLS

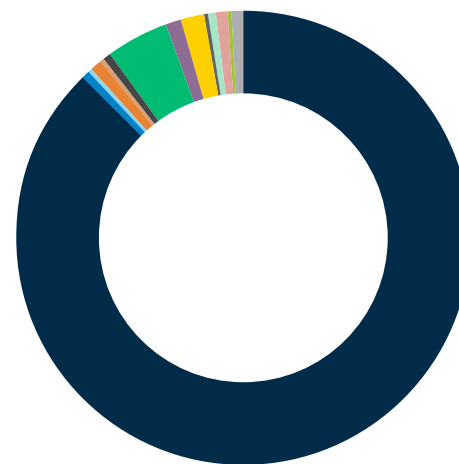


90th % RT Avg. RT Emerg

AMBULANCE RESPONSE TIME EMERGENCY CALLS

	Average	90th%		Average	90th%
Andale	0:16:21	0:21:51	Park City	0:07:31	0:12:08
Bel Aire	0:09:18	0:13:50	Sedgwick County	0:15:15	0:20:18
Cheney*	0:18:15	0:27:34	Valley Center	0:10:24	0:16:36
Clearwater*	0:16:00	0:23:16	Wichita	0:07:29	0:12:25
Colwich	0:12:01	0:17:28	<i>*Does not include RT of ALS first response unit, i.e., CRV</i>		
Derby	0:08:05	0:13:48	CRV Response Time	Average	90th%
Garden Plain	0:13:07	0:19:36	Clearwater	0:04:53	0:09:17
Goddard	0:09:02	0:15:36	Cheney	0:05:58	0:10:00
Haysville	0:09:03	0:14:37			
Kechi	0:09:24	0:12:51			
Maize	0:08:21	0:14:27			

Emergency calls **increased 5.2%** in 2024.



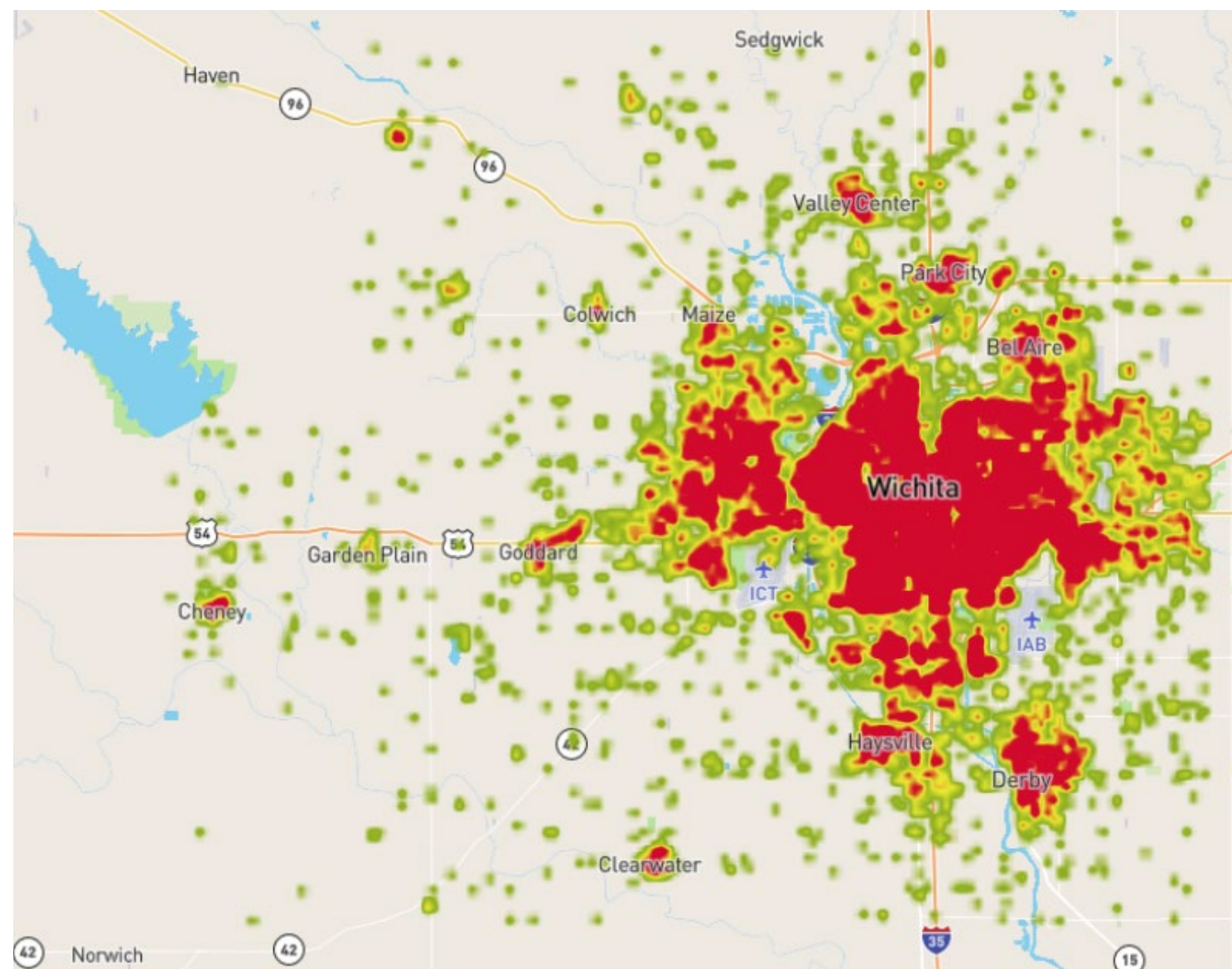
2024 CALL VOLUME BY CITY

	Calls	%		Calls	%
Wichita	62,747	87.63%	Garden Plain	102	0.14%
Others	466	0.65%	Goddard	689	0.96%
Andale	63	0.09%	Haysville	1,329	1.86%
Bel Aire	655	0.91%	Kechi	112	0.16%
Clearwater	357	0.50%	Maize	484	0.68%
Cheney	210	0.29%	Park City	600	0.84%
Colwich	110	0.15%	Sedgwick	74	0.10%
Derby	3,049	4.26%	Valley Center	557	0.78%



Call Volume **increased 5%** in 2024

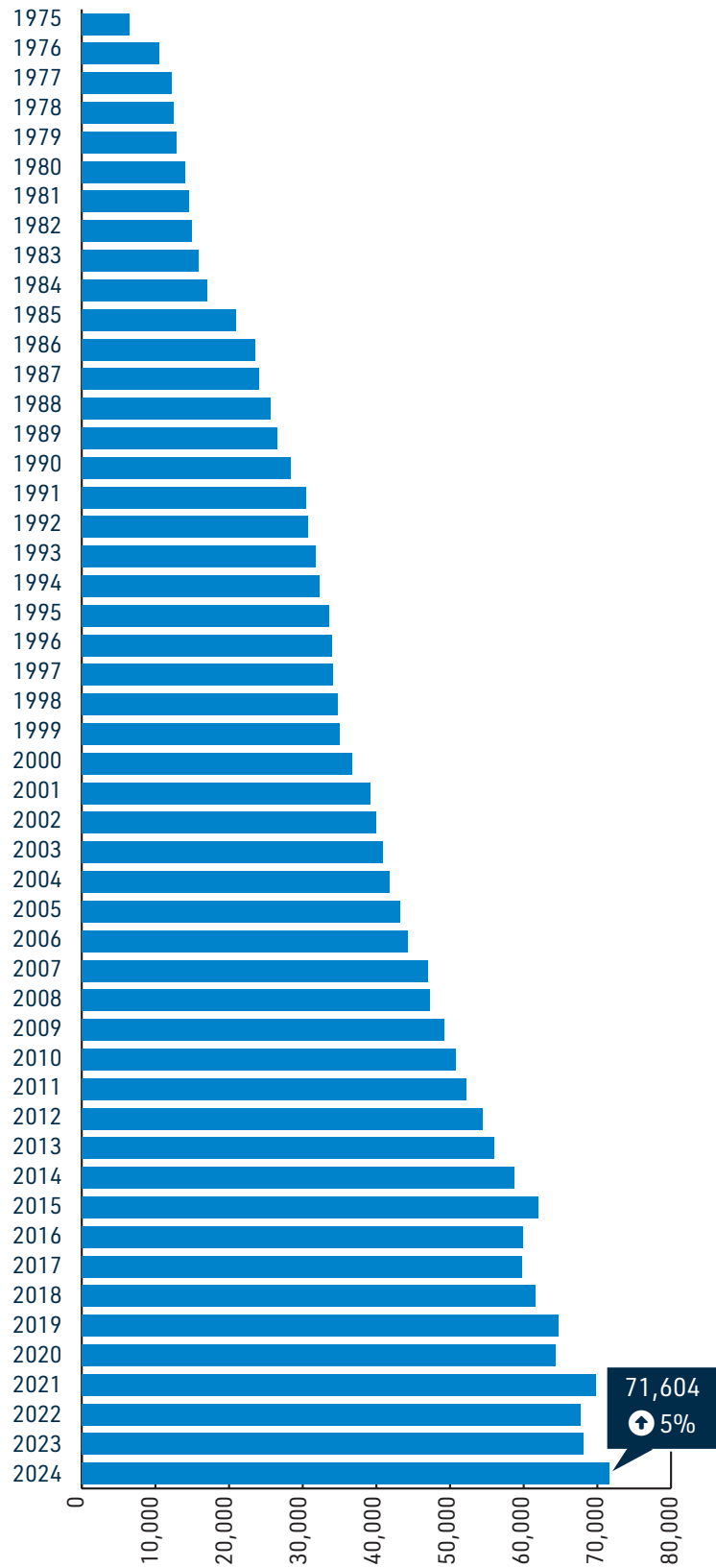
2024 EMERGENCY CALL LOCATION DENSITY



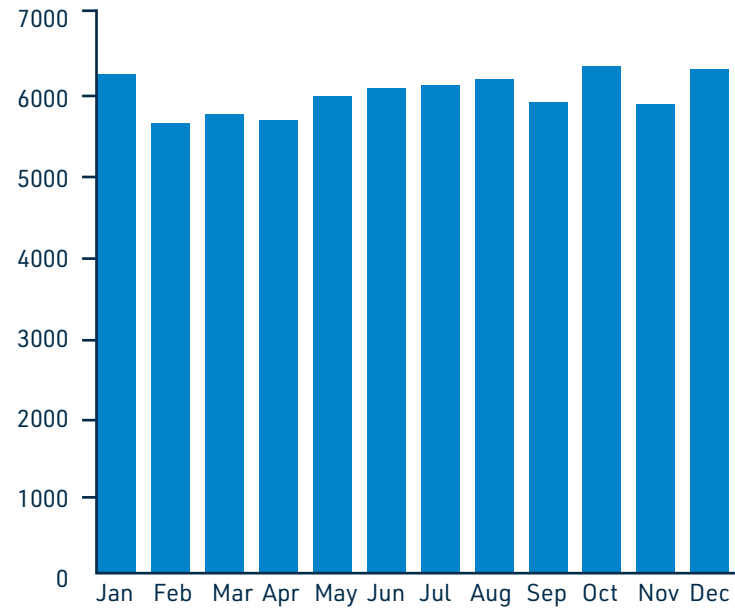


Highest call day:
256 (6/24/24)

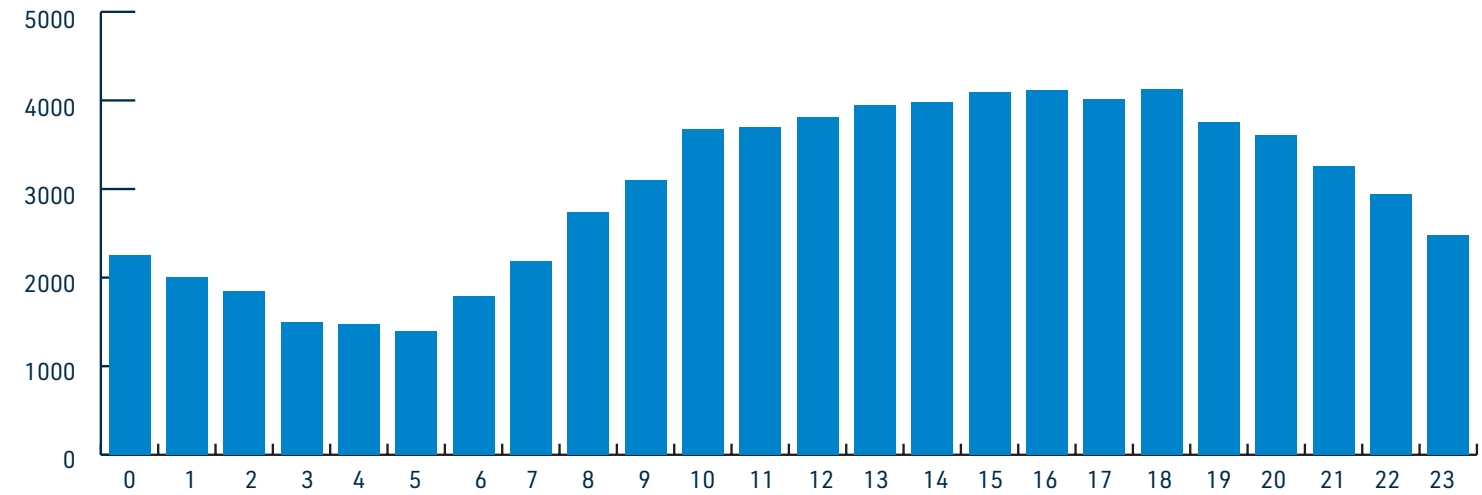
ANNUAL CALL VOLUME



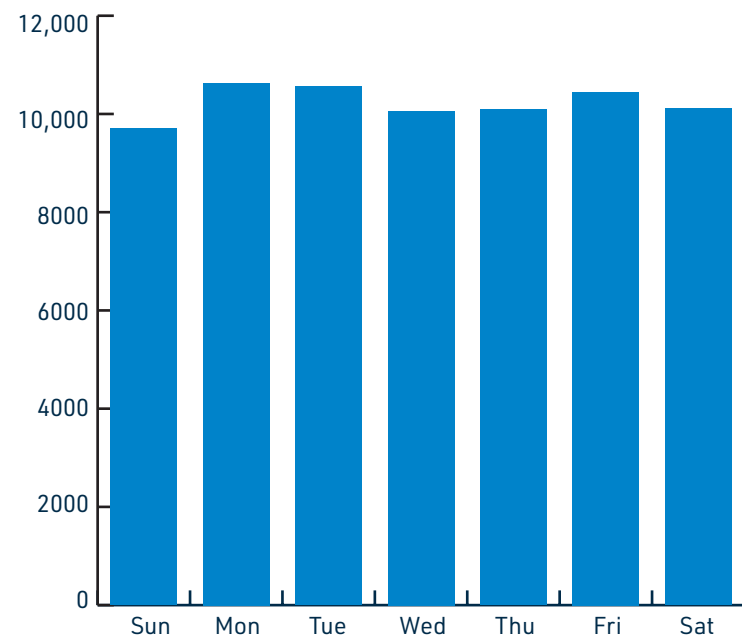
2024 TOTAL CALL VOLUME BY MONTH



2024 TOTAL CALL VOLUME BY HOUR

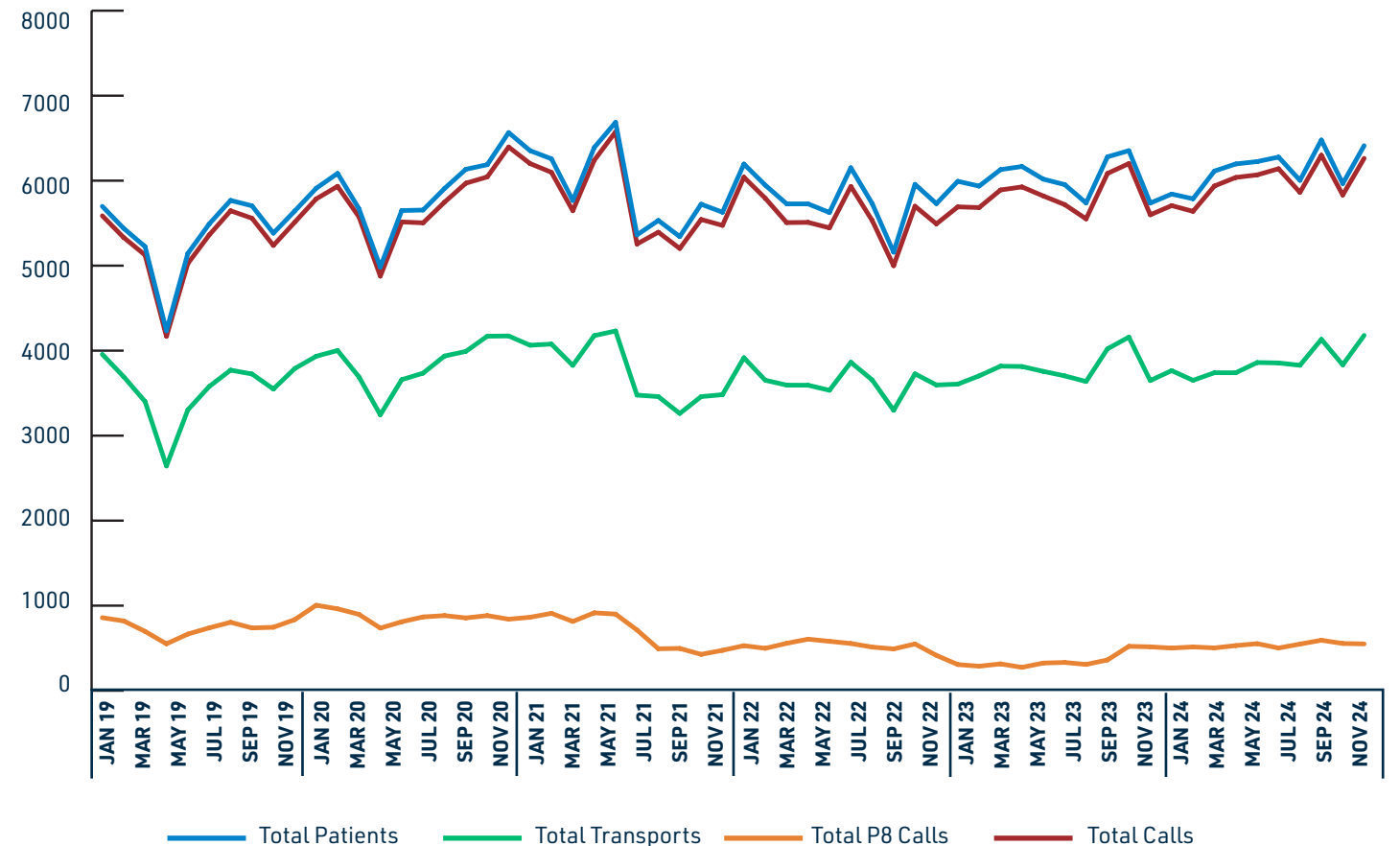


2024 TOTAL CALLS BY DAY OF THE WEEK



Lowest call day:
146 (11/17/24)

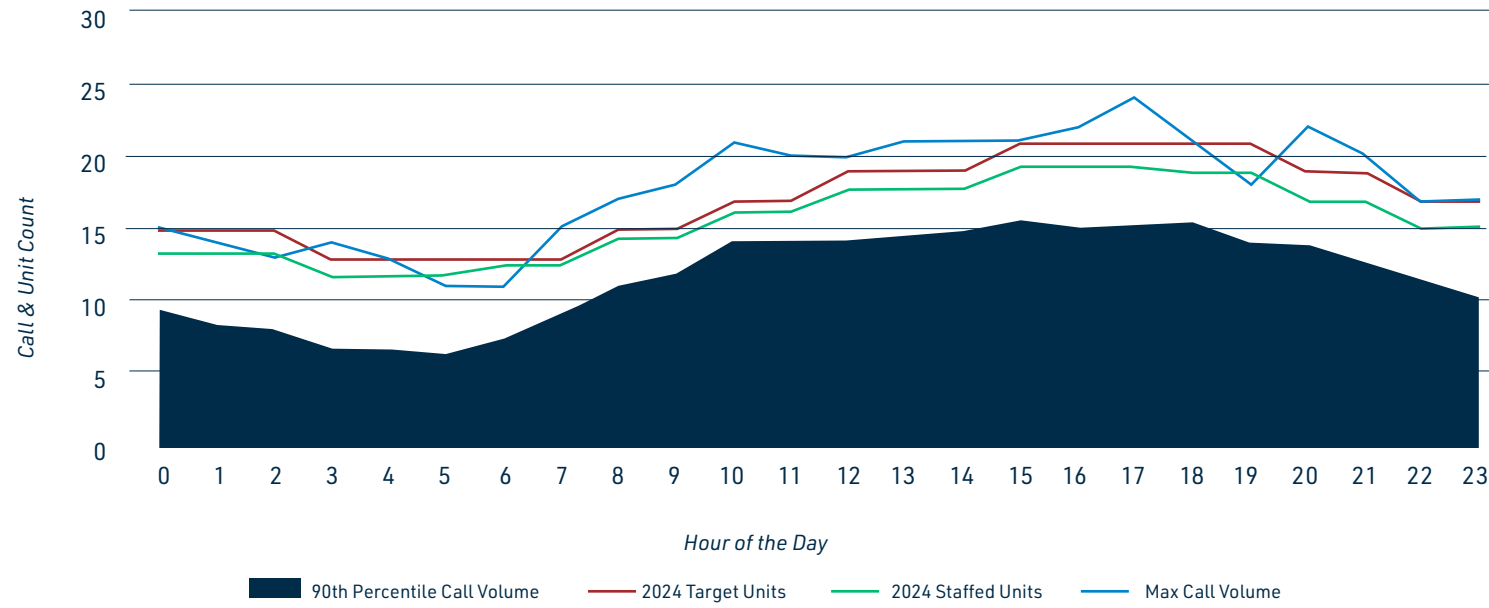
CALL & PATIENT TRENDS BY MONTH



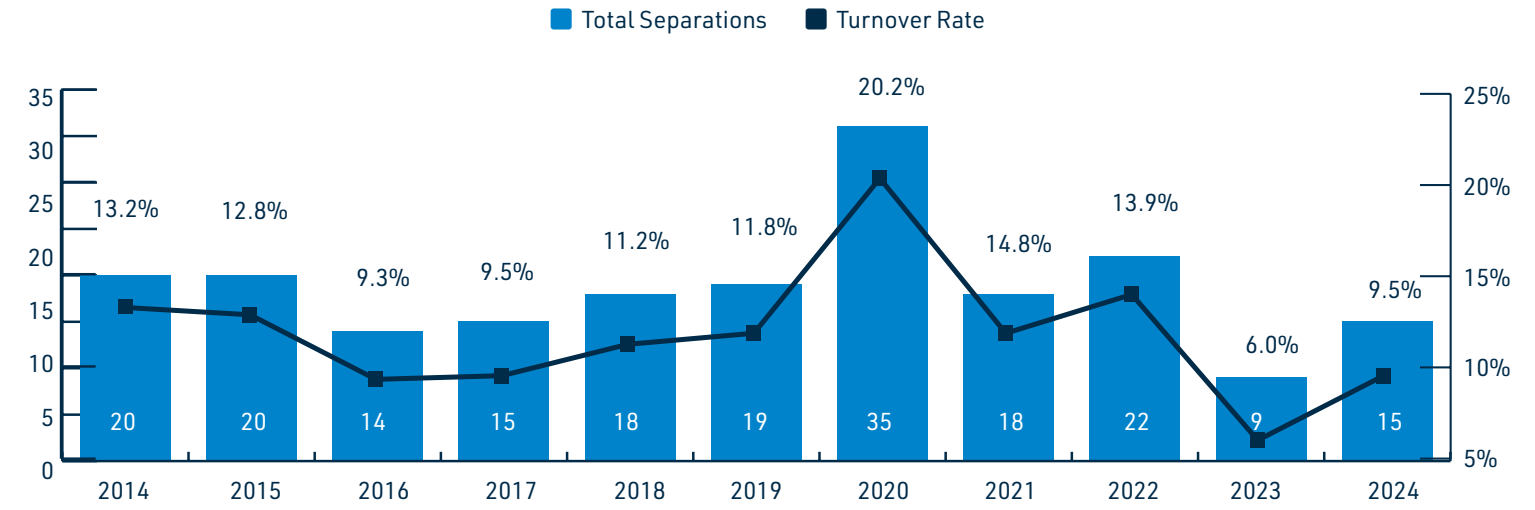
↑ **October** had the highest number of calls: **6,303**

↓ **February** had the lowest number of calls: **5,598**

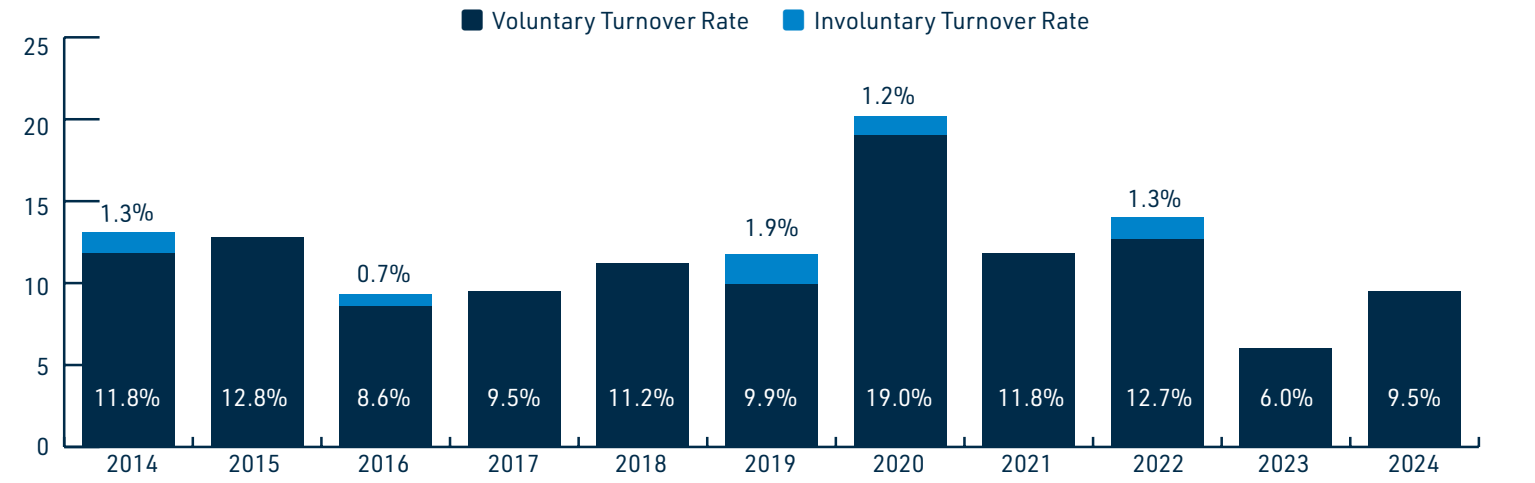
2024 DEMAND VS. SUPPLY
CALL VOLUME VS. UNIT HOUR PRODUCTION BY HOUR OF DAY



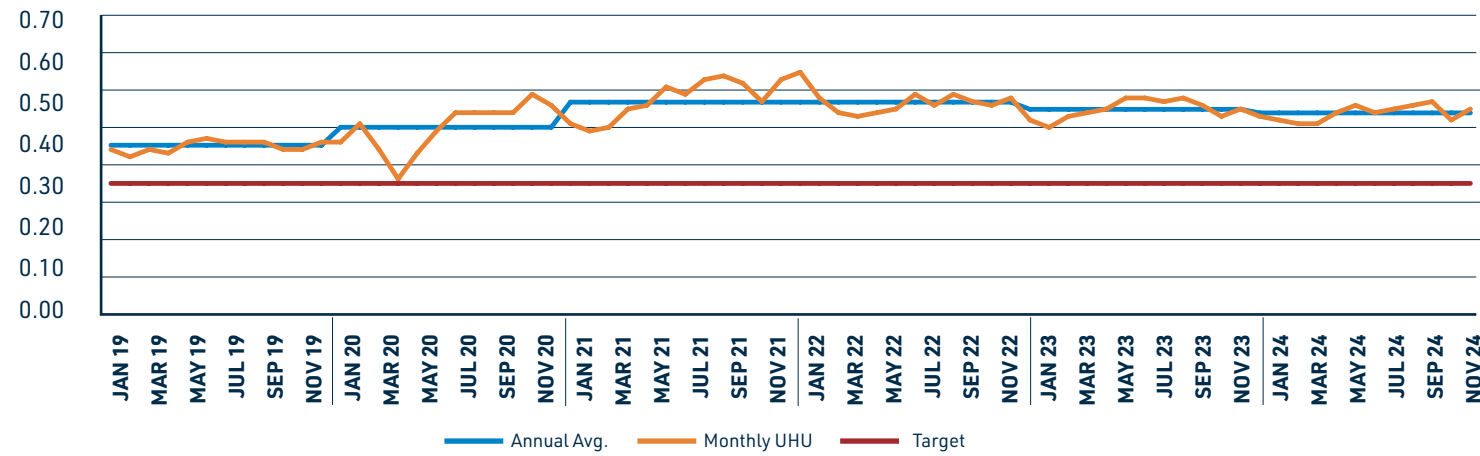
SEPARATIONS BY YEAR



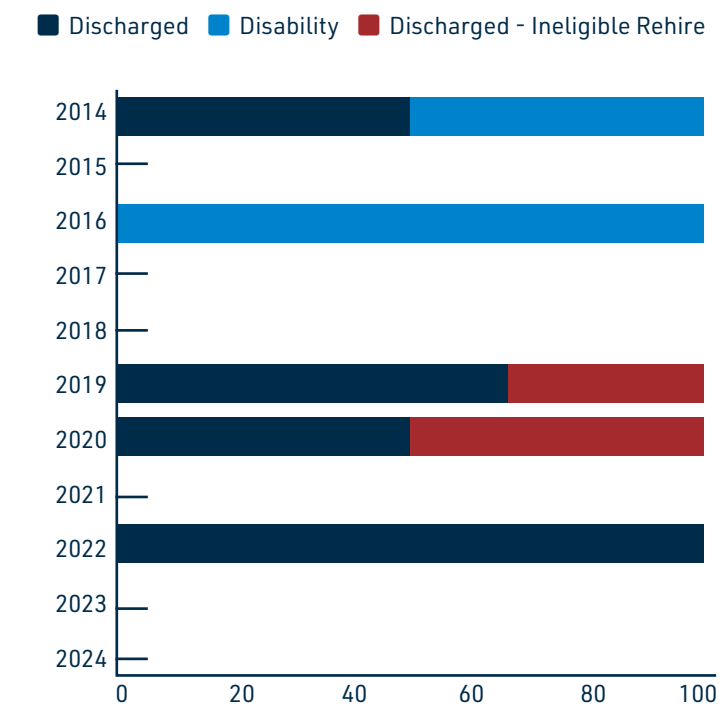
SEPARATIONS BY YEAR



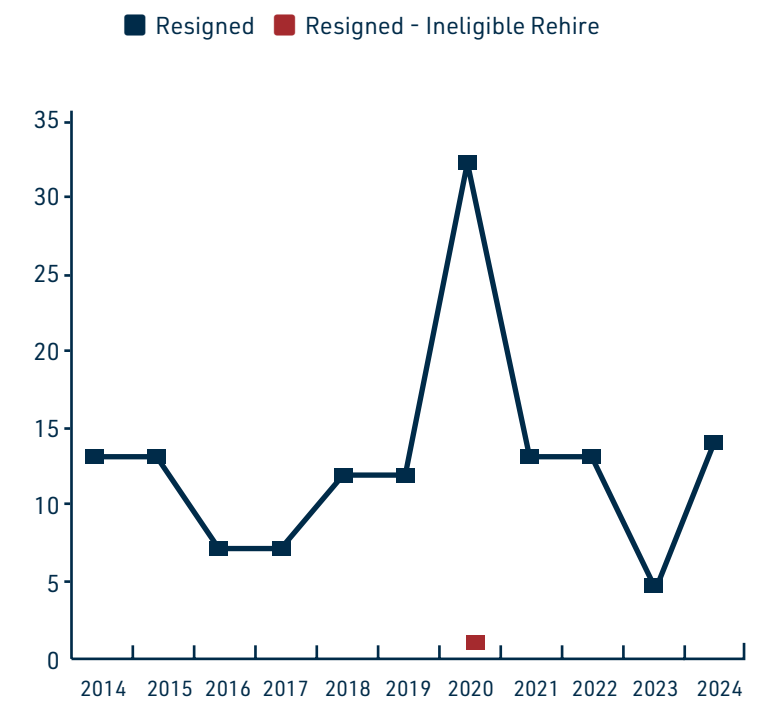
RESPONSE UNIT HOUR UTILIZATION (UHUR)



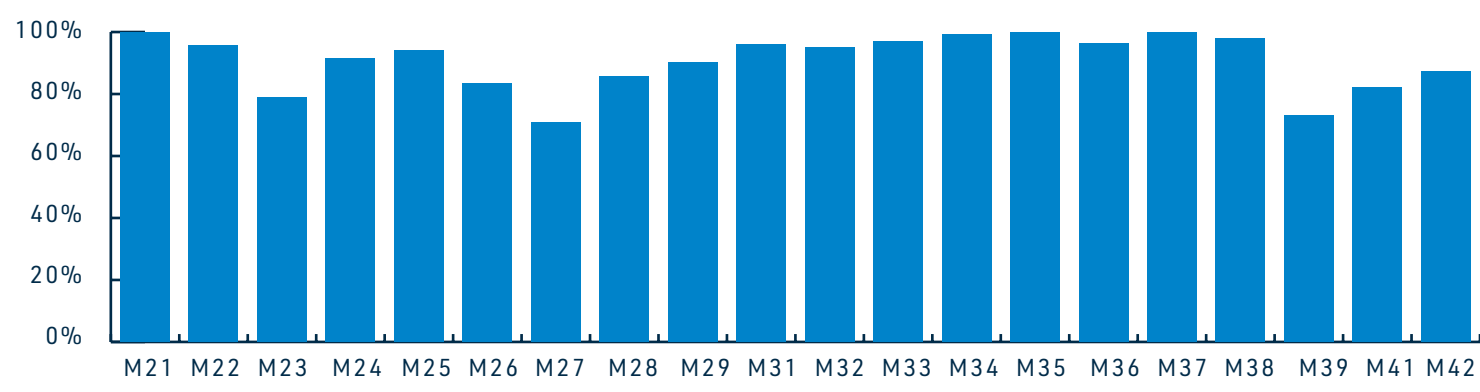
INVOLUNTARY BY YEAR



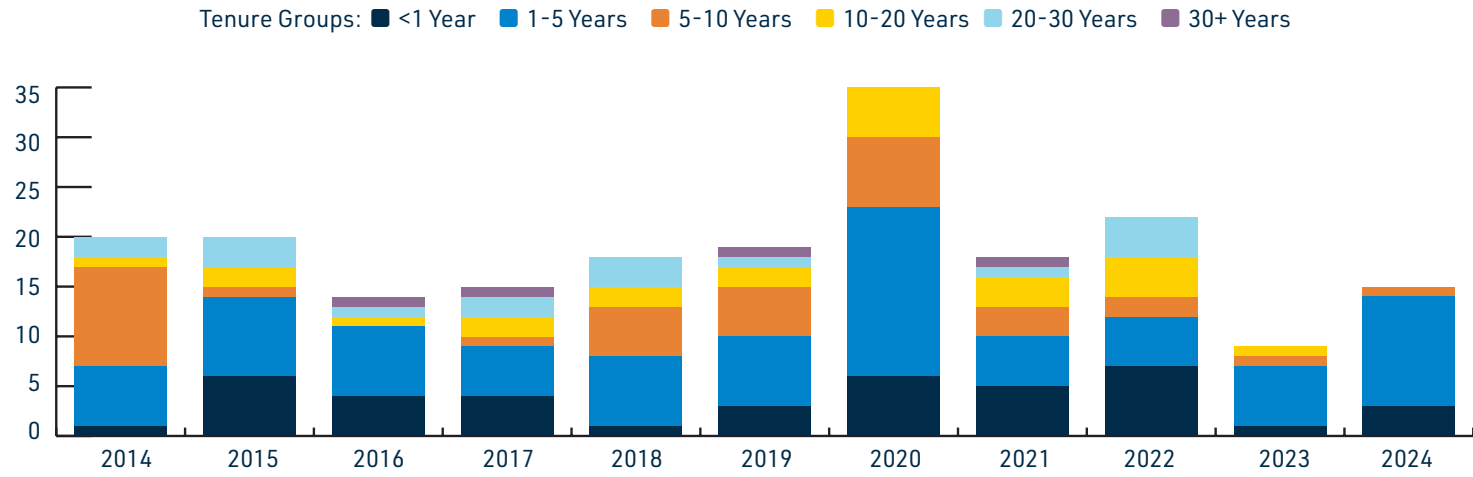
VOLUNTARY BY YEAR



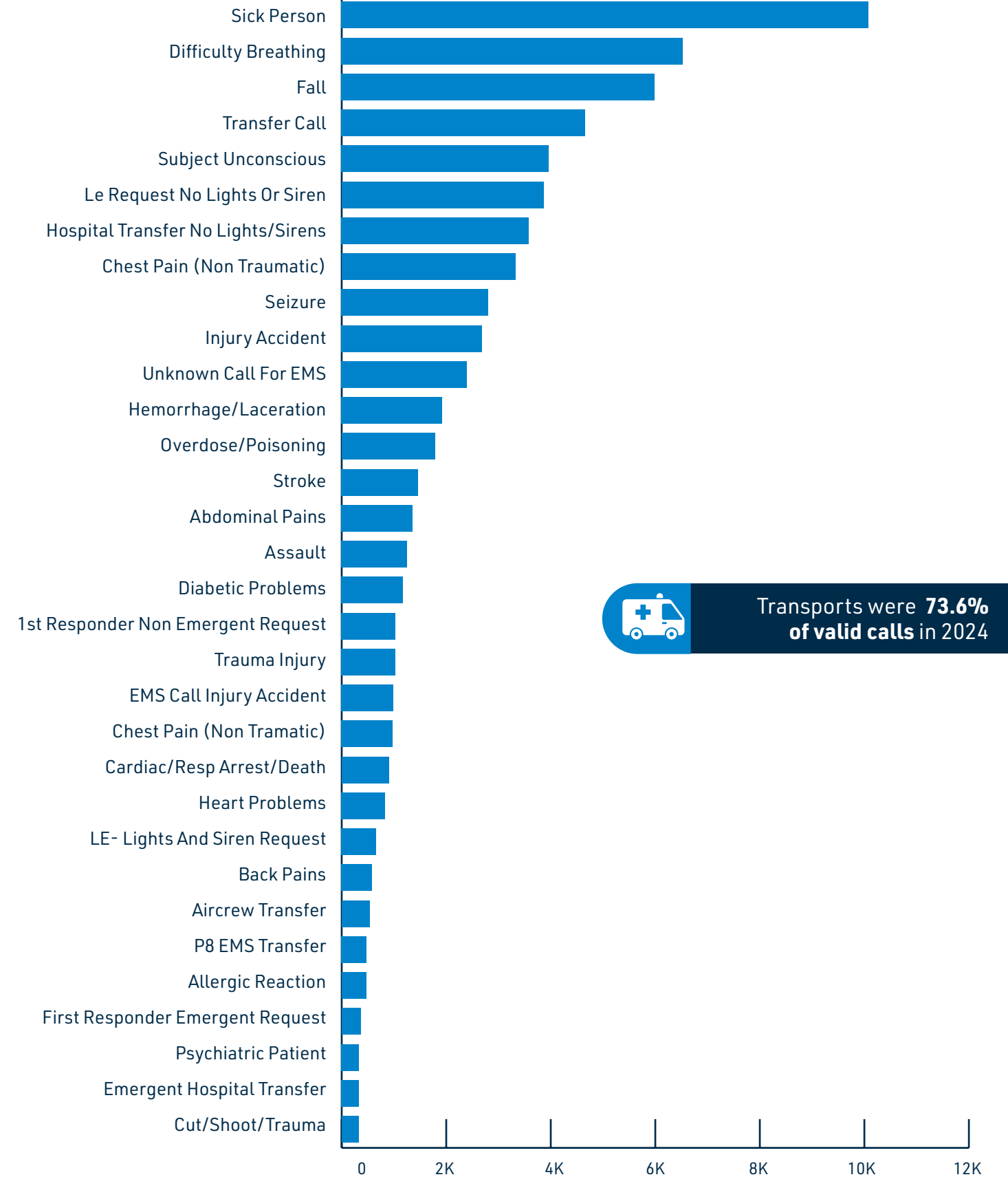
2024 UNIT ON DUTY %



FULL-TIME FIELD STAFF TURNOVER BY TENURE GROUP

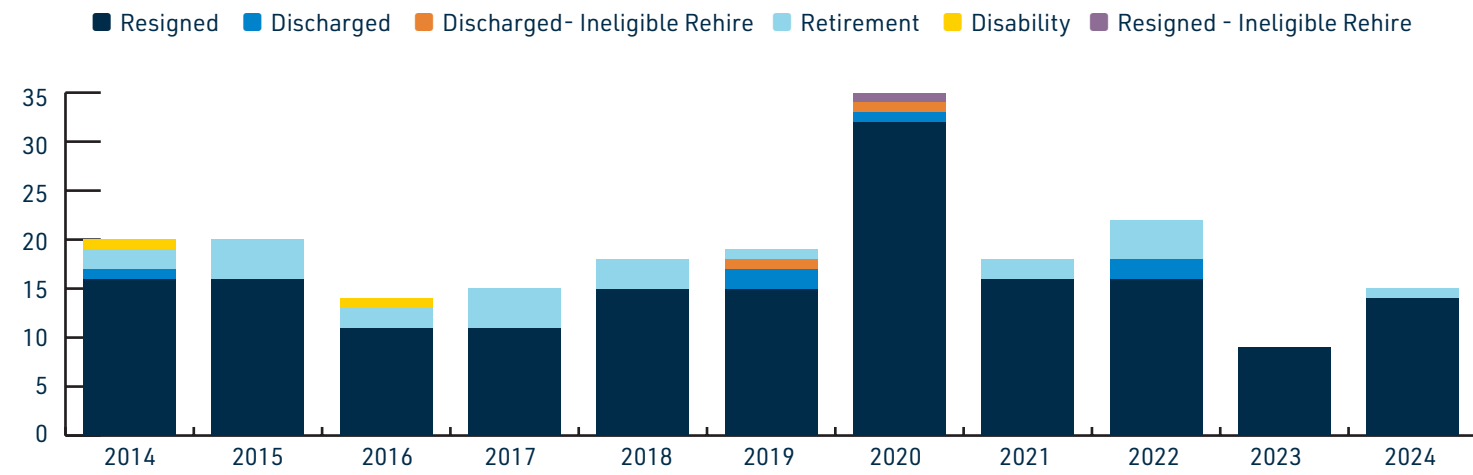


2024 TOP DISPATCH REASON



 Transports were **73.6%** of valid calls in 2024

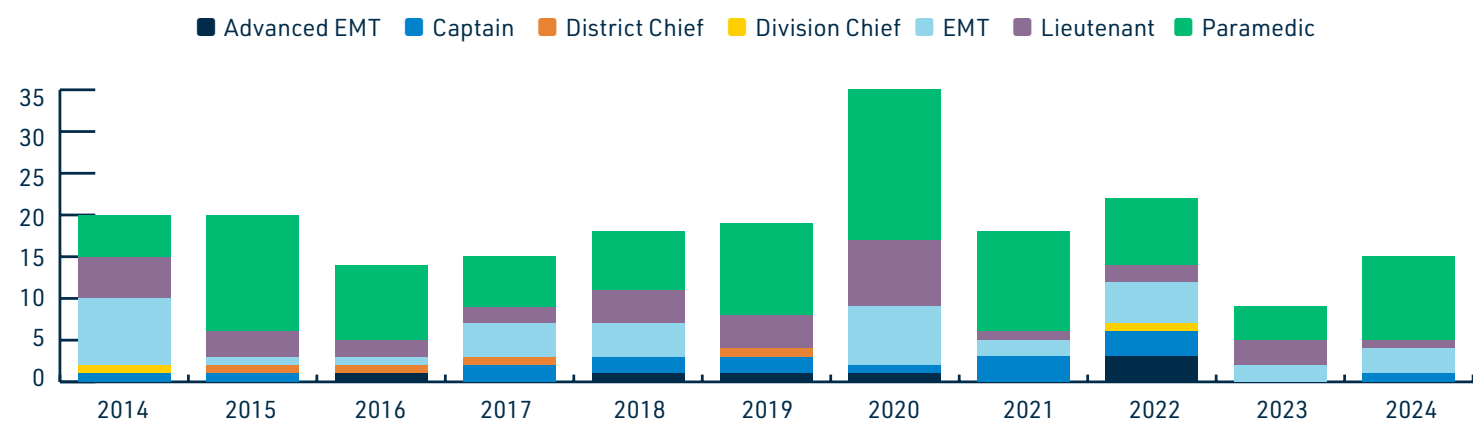
FULL-TIME FIELD STAFF TURNOVER BY REASON



SCEMS produced **91.2%** of scheduled unit hours in 2024 vs 91.8% in 2023.



FULL-TIME FIELD STAFF TURNOVER BY POSITION



2024 COSTS

Fuel Quantity (Gallons Used)	199,627	Cost per Gallon	\$2.53
Fuel Quantity (Ambulance)	190,335	Cost per Mile	\$0.44
Fuel Quantity (Support Vehicle)	9,292	Miles per Gallon	5.7
Fuel Cost(\$)	\$505,743.68	Miles Driven (Ambulance)	1,059,353
Fuel Cost(\$)(Ambulance)	\$485,862.11	Miles Driven (Support Vehicle)	82,386
Fuel Cost(\$)(Support Vehicle)	\$19,881.57		

2024 BIKE TEAM EVENTS

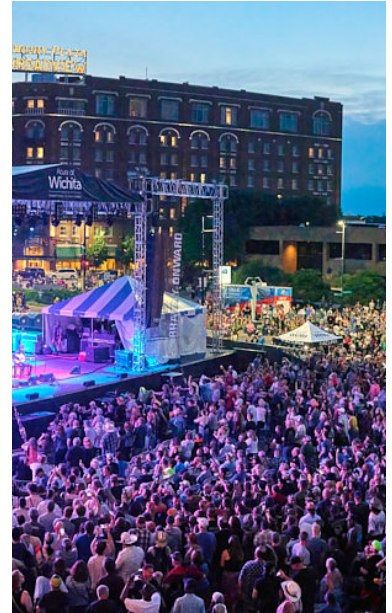
TOUR DE WICHITA

4.28.2024
 Est. 500 citizens
 Benefit for Diabetes
 • Downtown walk
 • Urban bike ride
 • After party
 Staffed
 • 3 Bike Teams
 • Medical Branch
 No patients



RIVERFEST

5.31.24 - 6.8.24
 Unified command established with WPD
 Staffed
 • 4 Bike Teams
 • 2 UTV Teams
 • Medical Branch
5.31.24
 • 2 Green Refusals
 • 1 Yellow Transport
 • 1 assist a citizen summoned by LE

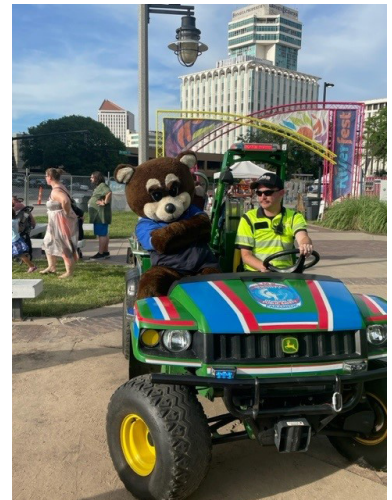


PRAIRIE FIRE HALF MARATHON

5.5.2024
 Half Marathon (7000 runners)
 • 13th and McClean to Douglas and Edgemoor
 Staffed
 • 2 Bike Teams
 • 2 UTV Team (single provider)
 • Medical Branch
 No patients



6.1.24
 • 1 Mitigated
 • 3 Green Refusals AMA
 • 2 Yellow Refusals AMA
 • 3 Yellow Transports
 • 1 Green transport



OPEN STREETS NOMAR

5.5.2024
 Closed 21st Street from Broadway to Hood
 Est. 6,000 in attendance
 Staffed
 • 2 Bike Team
 • 2 UTV team (single provider)
 • Medical Branch
 1 Yellow Refusal



6.2.24
 No Patients
6.3.24
 • 1 Triage Green
 • 1 Green Transport

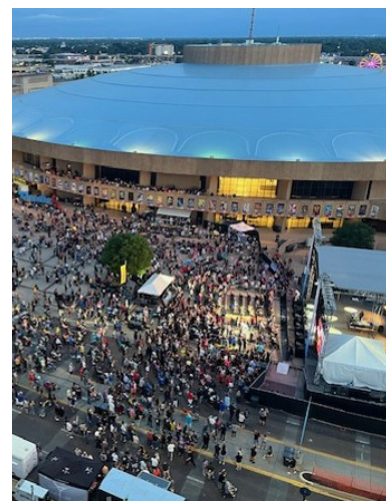
6.4.24
 • 2 Mitigated
 • 1 request for EMS while sheltering in Century II during the storm.

6.5.24
 • 1 Yellow Transport
 • 3 Green Refusals AMA
 • 4 Mitigated

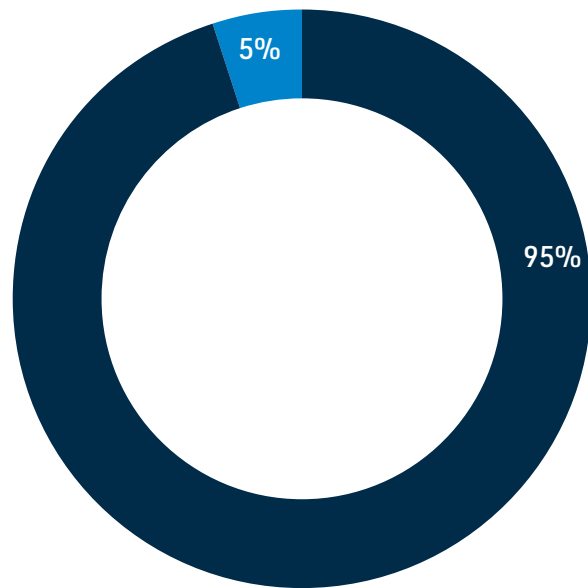
6.6.24
 • 1 Green Refusal AMA
 • 3 Mitigated

6.7.24
 • 3 Mitigated

6.8.24
 • 6 Assists
 • 3 Green Refusals AMA
 • 1 Yellow Transport

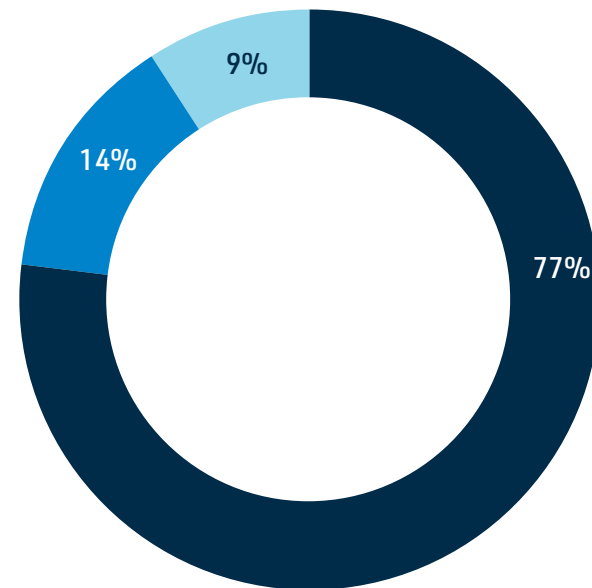


2024 TOTAL REVENUE BREAKDOWN



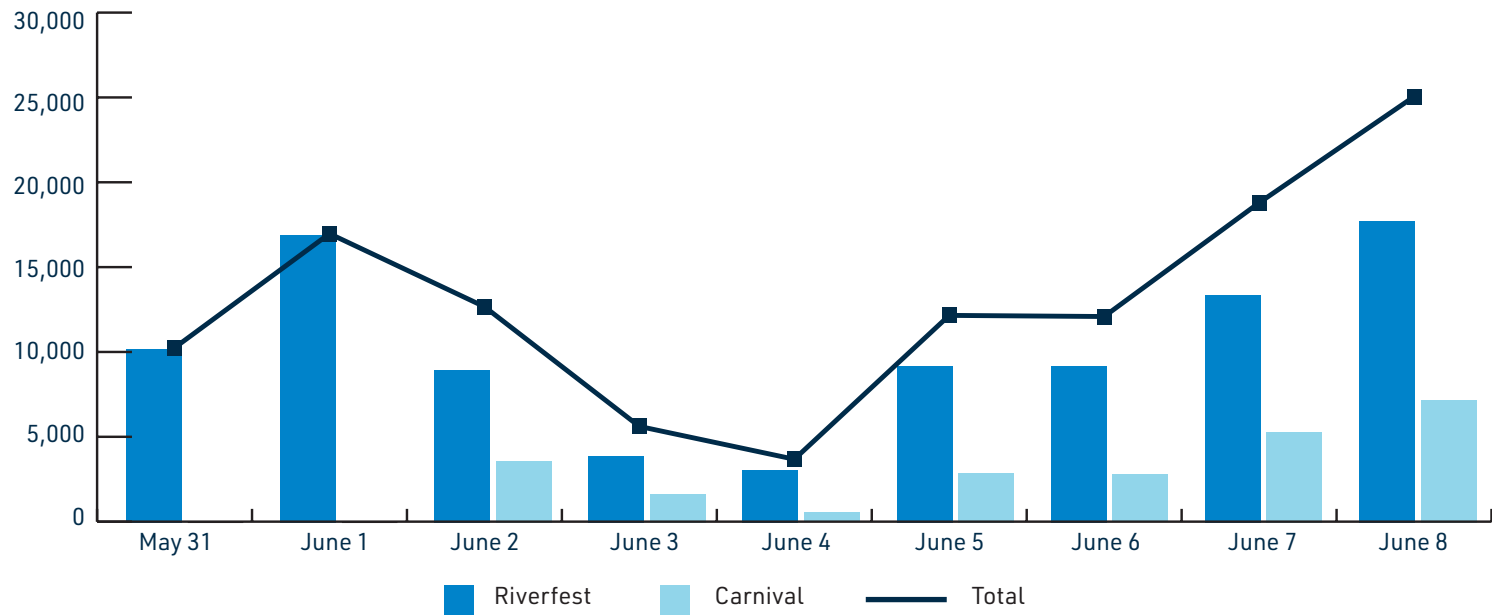
Charges for Services \$21,562,347
 Tax Revenues \$1,018,958

2024 EXPENDITURE BREAKDOWN

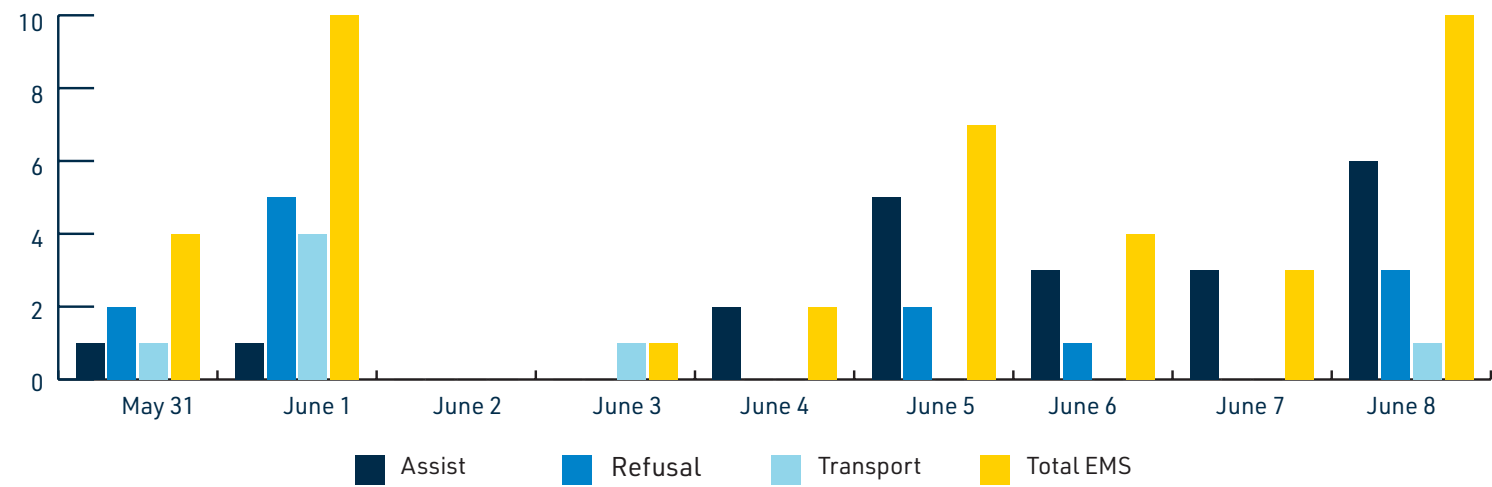


Personnel \$17,367,172
 Contractuals \$3,268,738
 Commodities \$1,945,395

RIVERFEST ATTENDANCE



RIVERFEST CALL VOLUME



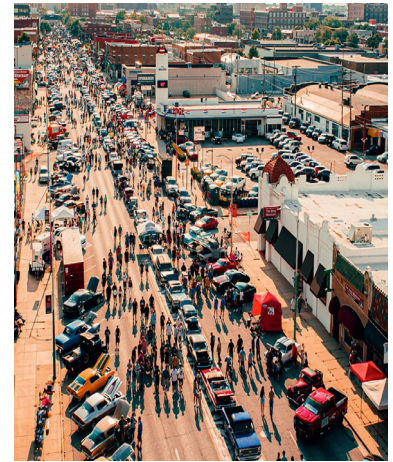
RIVERRUN

6.1.24
 5K, 10K or fun run
 • 900 runners in 5K and 10K
 • Est. 1000 spectators
 2 Bike Teams
 No patients



AUTOMOBILIA MOONLIGHT CAR SHOW

8.3.2024
 Staffed
 • 1 Bike Team
 • 1 UTV Team
 2 Patients
 • 1 Transport
 Complicating factors
 • Crowd was too dense for even bikes to make their way through



ELSEWHERE FESTIVAL

6.21.24 - 6.22.24
 Music Concert at 5 venues in downtown Wichita
 Anticipated 50,000 people in attendance
 6.21.24 Staffed
 • Medical Branch
 • 1 Bike Team
 • 2 UTV
 6.22.24 Staffed
 • Medical Branch
 • 1 Bike Team
 • 2 UTV Teams
 6.21.24
 • 2 Refusals
 • 2 Transports
 6.22.24
 • No Patients



AIRSHOW

8.24.24 - 8.25.24
 Hosted by McConnell Air Force Base
 Staffed with DMSU and Bike Team
 8.24.24 - 17 Patients
 • 2 Red
 • 13 Yellow
 • 2 Green
 • 15 Transported
 • 2 Refusals
 8.25.24 - Cancelled prior to doors opening due to storm damage
 • Standby for crews, no patients



LAW CAMP

6.25.2024-6.27.2024
 Hosted by Sheriff's Office
 Staffed with DMSU
 • 3 providers and an UTV
 O.J. Watson Park
 6.25.24- 6.27.24
 No patients



ZOOBILEE

9.7.24
 Benefit for Sedgwick County Zoo
 Staffed
 • Medical Branch
 • 3 Bike Teams
 • 1 UTV
 3 Patient Refusals
 • No Transports



OPEN STREETS DOUGLAS

10.13.2024

4.5 miles of Douglas

Staffed

- Medical Branch
- 3 Bike Teams
- 2 UTV
- No patients seen



COLLEGE HILL

10.31.24

Requested by WPD to assist with trick-or-treating

Exp. 10,000 people

Staffed

- 1 Bike Team

No Patients

- 3 lost juveniles that BT assisted in locating



PRAIRIE FIRE MARATHON

10.13.2024

Marathon loop, 13th and McLean

Staffed

- 4 Bike Teams - Staggered staffing (dropped 2 teams at noon)
- 2 UTV Team (single provider)
- Medical Branch

2 Patient Refusals



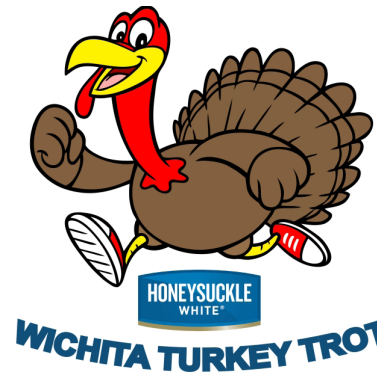
TURKEY TROT

11.23.24

Staffed

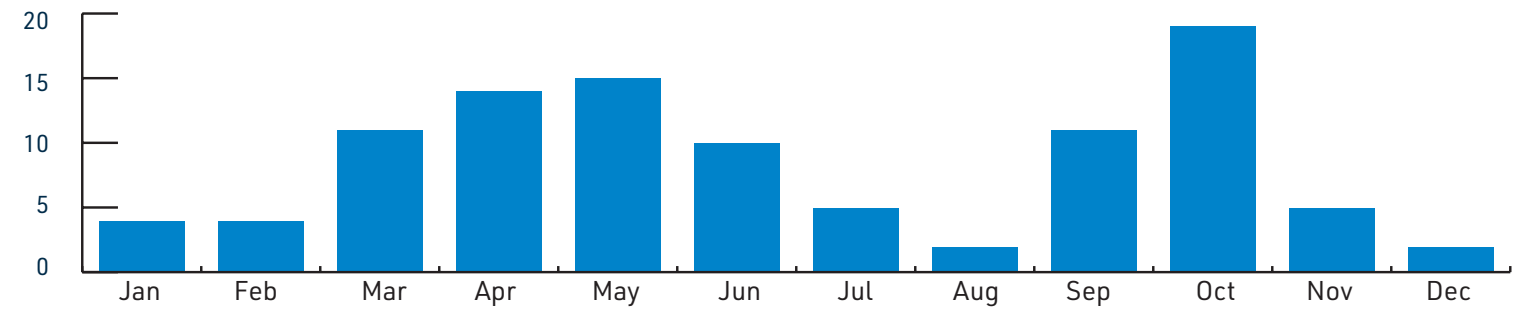
- 3 Bike Teams
- 2 UTV
- Medical Branch

2 Patient Refusals



2024 PUBLIC RELATIONS EVENTS

PUBLIC RELATIONS EVENTS PER MONTH

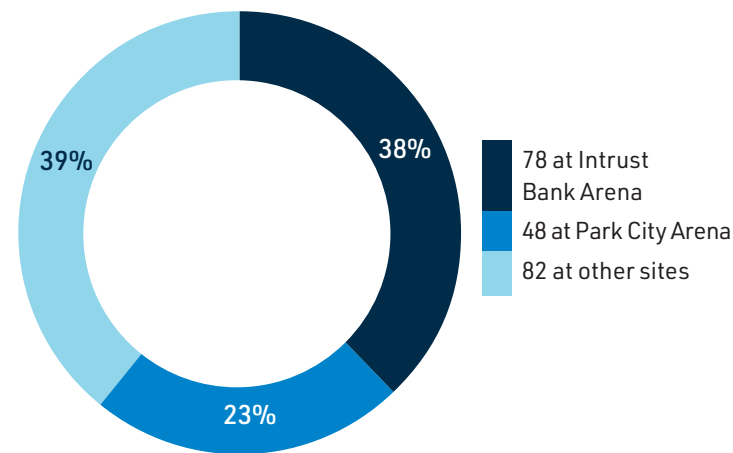


SCEMS was present at **101 events in 2024**, compared to 126 in 2023.

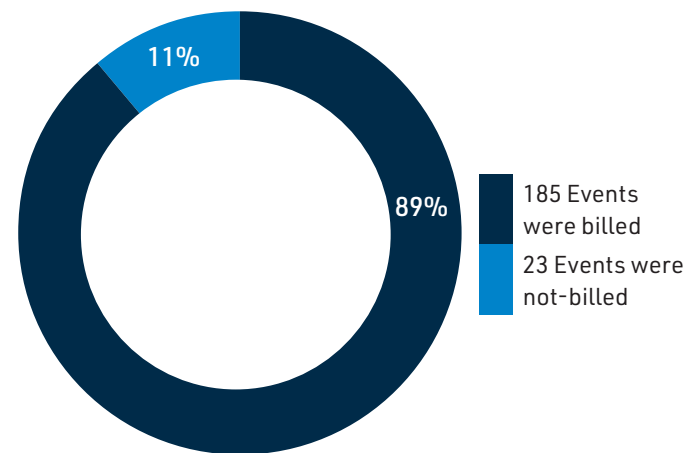


2024 STAND-BY EVENTS

208 STANDBY EVENTS FOR 2024



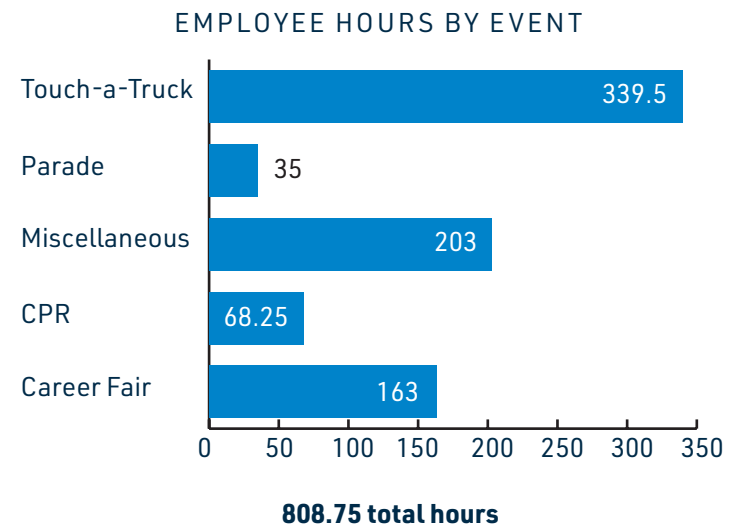
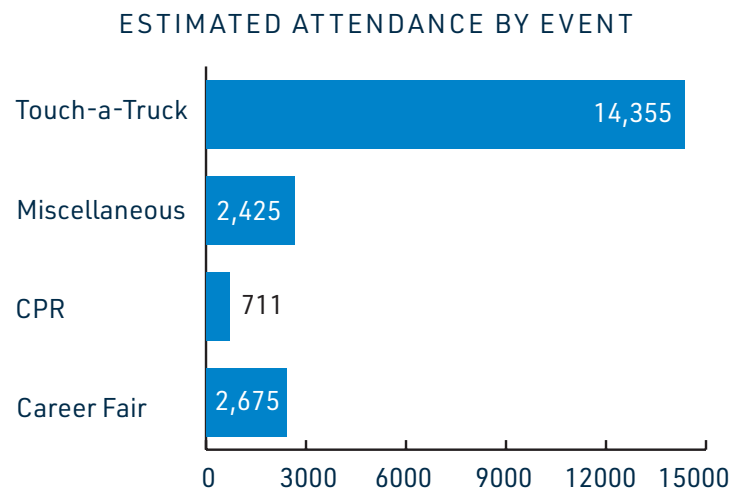
185 BILLABLE EVENTS IN 2024



PUBLIC RELATIONS EVENT TYPES

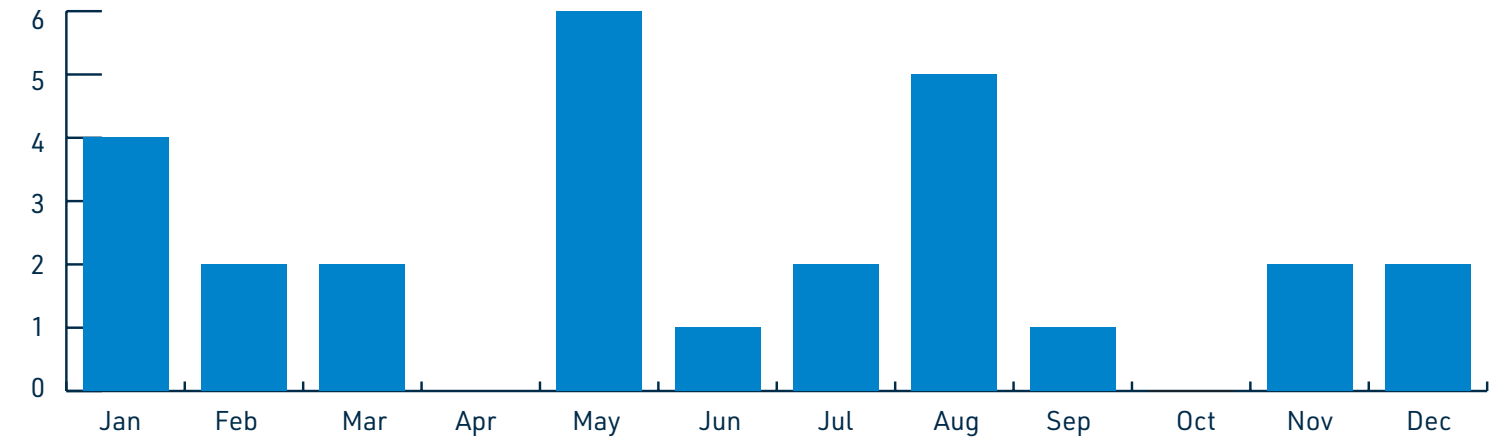


101 Events Total
 3 Events staffed with on duty units
 9 Events declined due to lack of notice or staffing



2024 HONOR GUARD EVENTS

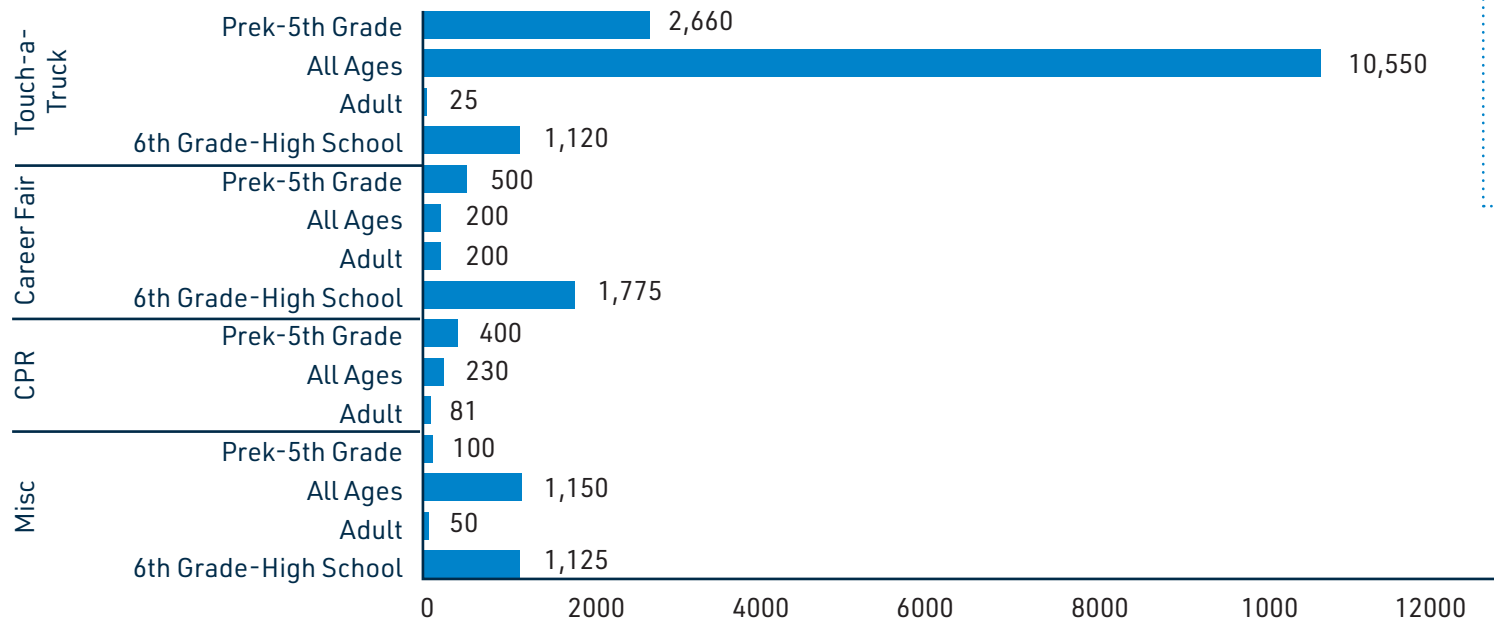
HONOR GUARD EVENTS PER MONTH



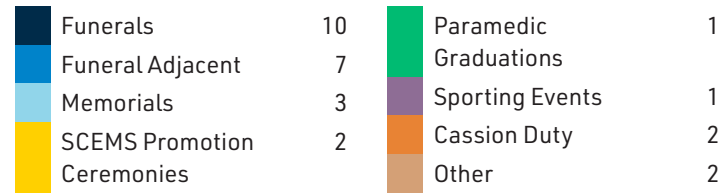
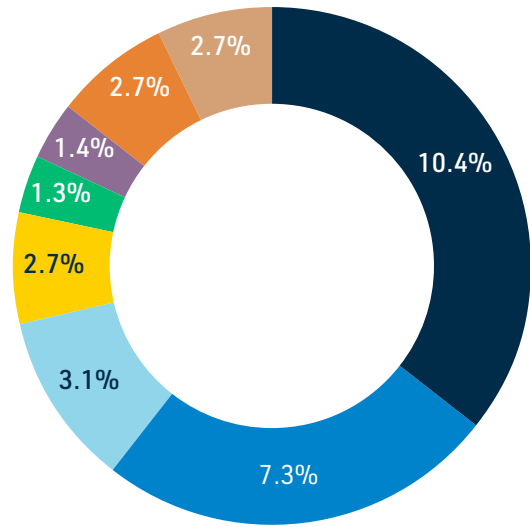
Over 20,166 people were estimated to attend these events in 2024.



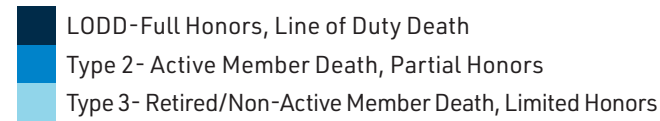
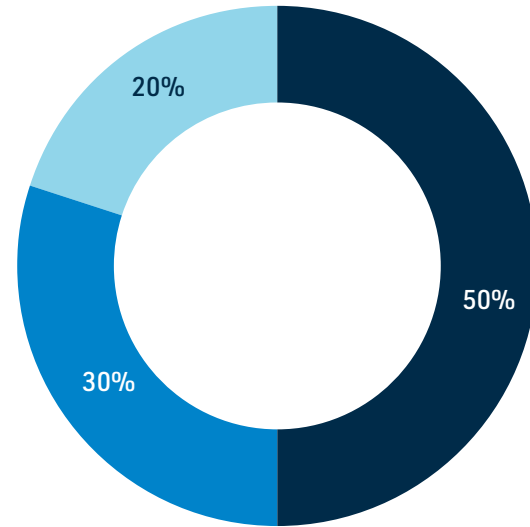
ATTENDANCE BY AGE GROUP AND EVENT TYPE



EVENT BREAKDOWN



FIRST RESPONDER DEATHS



2024 AMBULANCE RIDERS

EMT	
191 Students	
Butler	52
Cowley	5
Hutch	81
Wichita State University (WSU) - Tech	53
<i>Shifts</i>	
Day Shift	75
Mid	38
Night	78

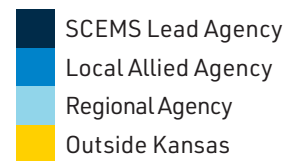
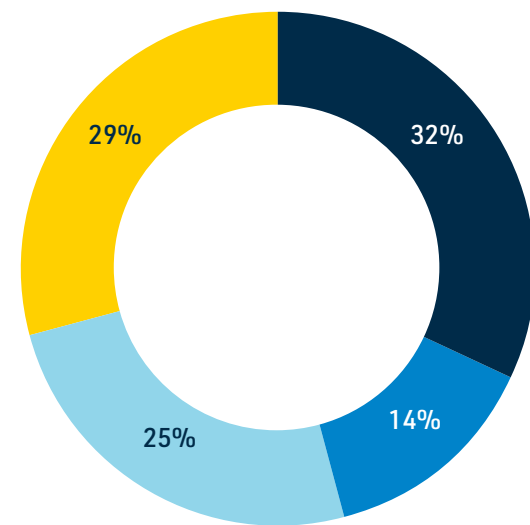
PARAMEDIC/AEMT	
25 Students	
22 Paramedic Students	
Hutchinson Community College	6
<i>All 6 employed by SCEMS</i>	
Cowley Community College	16
<i>7 employed by SCEMS</i>	

PHYSICIAN/ RN/ HOSPITAL RIDERS	
100 Riders	
Via Christi Residency	54
Kansas College of Osteopathic Medicine	21
Wesley Staff	5
WSU - PA Program	3
WSU- Bio-Medical Program	16
<i>Shifts</i>	
Day Shift	65
Mid Shift	19
Night Shift	16

CITIZEN RIDERS	
74 Riders	
<i>Reasons</i>	
School Project	9
Family/Friends	21
Dispatchers	3
Wichita Leadership Board of Trustees	5

TOTAL BREAKDOWN	
Riders	390
EMT	191
AEMT	3
Paramedic	22
Allied Health Professionals	100
Citizen Riders	74

COORDINATION WITH ALLIED AGENCIES



HONOR GUARD STAFFING HOURS

