



State Trauma Registry Report

2025 Data compiled from current patient records reported from thirteen facilities to LERN State Trauma Registry. Includes standard dataset established by National Trauma Data Bank (NTDB). First quarter data for 1 trauma center was unable to be obtained due to technical difficulties.

Figure 1: Age Distribution

Patients reported by age group. The highest patient population on the national level lies in the age range 25 – 34 years old.

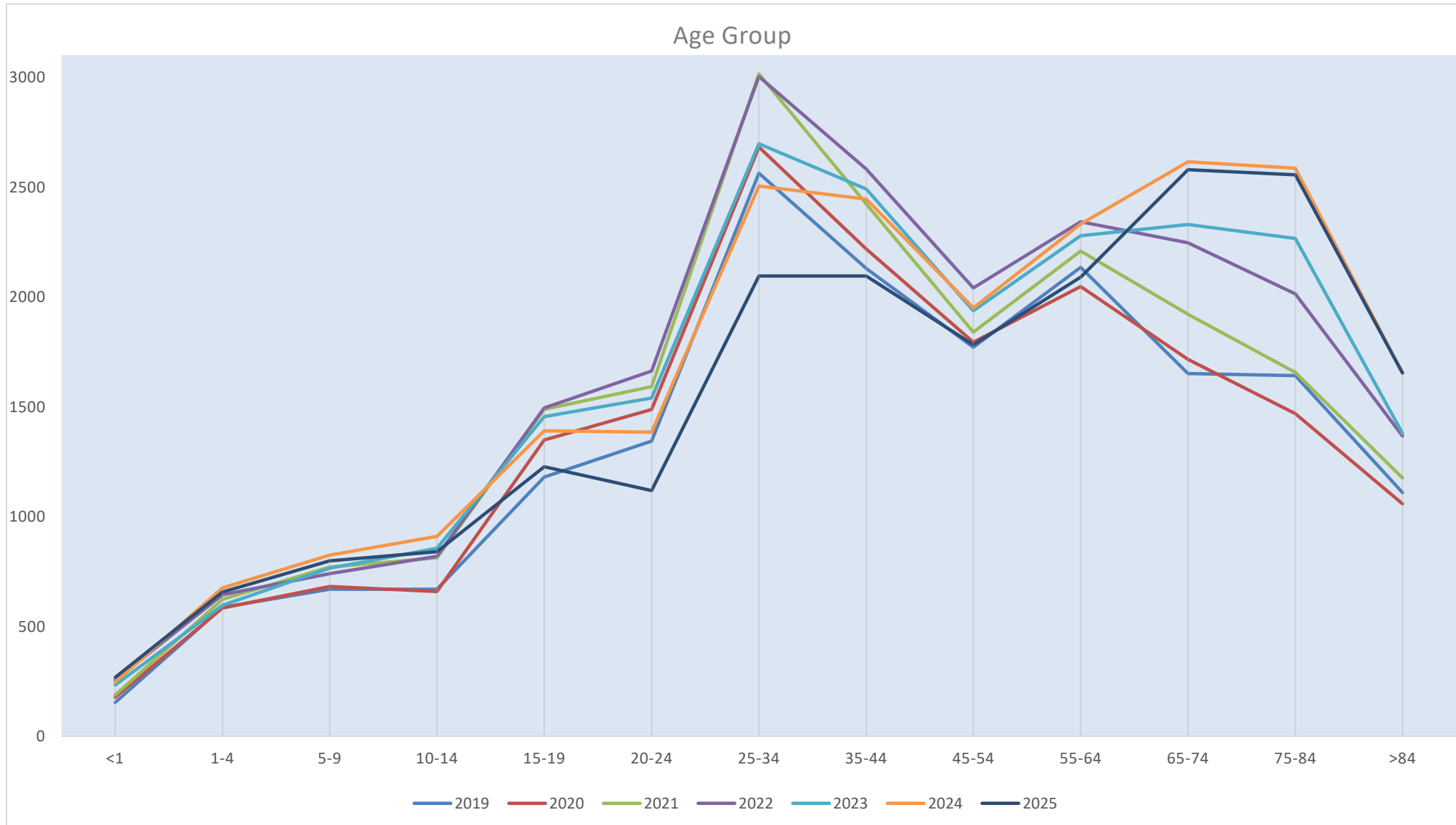


Figure 2: Cause of Injury

Cause of Injury	Total
Fall	8490
Motor Vehicle Accident	3571
Assault	1279
Firearm Discharge	1023
ATV Accident	710
Pedestrian	705
Motorcycle Accident	689
Pedal Cycle Accident	507
Struck by or Against Object	442
Animal Bite/Contact/Rider	341
Machinery/Equipment Accident	339
Caught, Crushed, Pinched	233
Contact by Sharp Object	232
Transport Accident	220
Suicide or Self-inflicted Injury	220
Acc Struck by Person	190
Abuse or Neglect	117
Other	115
Overexertion	93
NULL	64
Burns, Fire, Flame, Explosion, Smoke	51
Watercraft Accident	30
Foreign Body	28
Legal Intervention	26
Sport/Activity Accident	24
Slipping, Tripping, and Stumbling without Falling	22
Contact Hot Food or Object	11
Diving, Drowning, or Submersion	11
Electrical Accident	6
Aircraft Accident	2
Weather Accident	1
Grand Total	19792

Fall by Age	Total	Percentage
Geriatric (>64)	5397	63.57%
Adult (15-64)	2226	26.22%
Pediatric (0-14)	854	10.06%
Unknown	13	0.15%
Grand Total	8490	100.00%

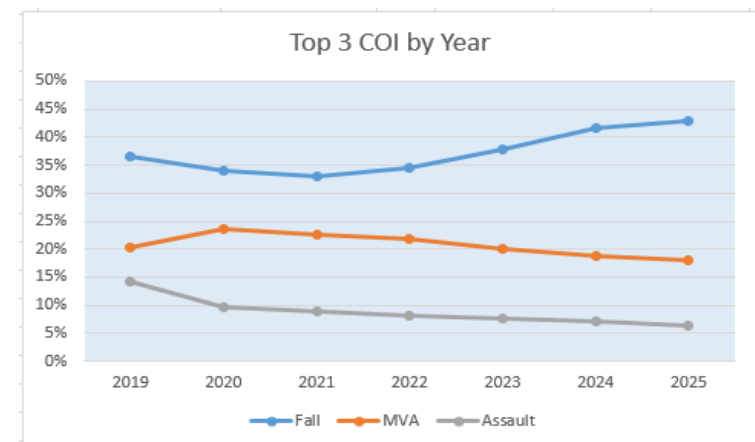
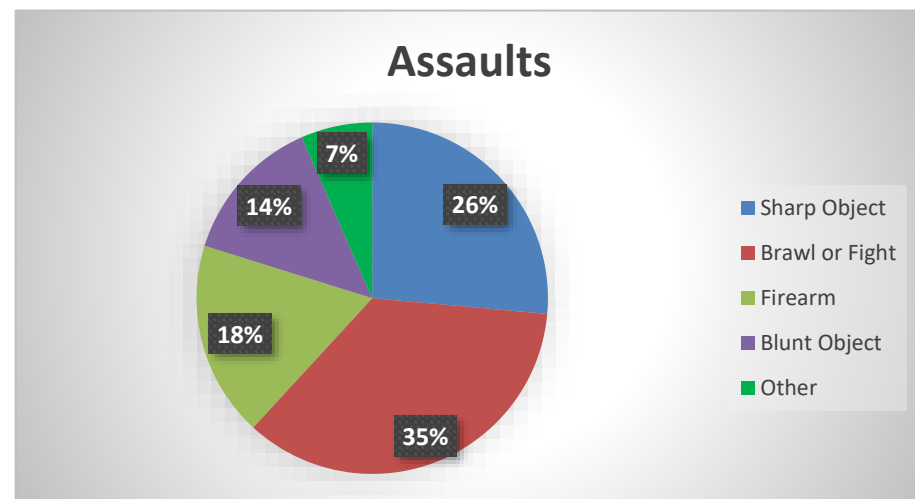
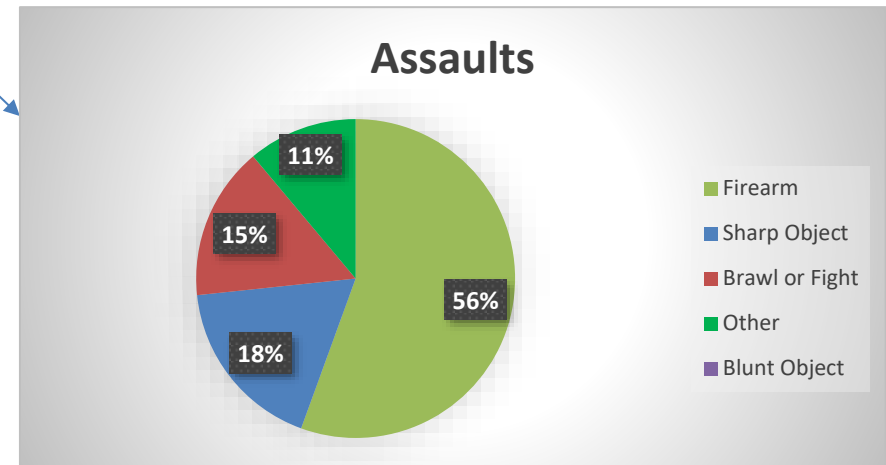


Figure 3: Cause of Injury by Mortality

Cause of Injury	2020	2021	2022	2023	2024	2025
Fall	196	222	211	205	228	230
Motor Vehicle Accident	166	170	163	159	127	145
Firearm Discharge	14	216	176	215	154	129
Pedestrian	60	65	68	63	60	64
Suicide or Self-inflicted Injury	67	66	58	58	54	64
Assault	225	79	68	59	54	45
Motorcycle Accident	35	36	33	34	24	45
Pedal Cycle Accident	12	19	13	11	21	28
ATV Accident	18	12	10	16	12	15
Transport Accident	6	15	24	14	16	7
Struck by or Against Object	6	9	9	8	7	5
Abuse or Neglect	3	6	9	4	7	5
Animal Bite/Contact/Rider	5	4	3	4	0	4
Other	11	3	5	10	8	3
Machinery/Equipment Accident	1	3	1	4	4	3
Contact by Sharp Object	2	0	1	1	1	3
Diving, Drowning, or Submersion	4	1	3	3	6	1
Caught, Crushed, Pinched	2	2	0	3	5	1
Electrical Accident	2	1	1	0	2	1
Burns, Fire, Flame, Explosion, Smoke	3	2	5	3	1	1
Foreign Body	0	0	0	0	1	1
Watercraft Accident	1	2	1	2	0	1
Legal Intervention	4	0	0	0	1	0
Acc. Struck by Person	0	0	0	0	1	0
Weather Accident	1	0	1	0	0	0
Aircraft Accident	0	1	0	0	0	0
Overexertion	0	0	0	0	0	0
Total	844	934	863	876	794	801

	ISS Score Range					
Fall by Age	0	1-8	9-15	16-24	>24	Total
Geriatric (>64)	11	32	51	22	65	181
Adult (15-64)	1	13	7	4	23	48
Pediatric (0-14)	0	0	0	0	1	1
Total	12	45	58	26	89	230



*Reporting of firearm discharges changed after CY 2020.

Figure 4: Received Pre-Hospital or by Transfer

Patients reported as received pre-hospital or transferred from another acute care facility. Patients transferred from a private physician office, stand-alone ambulatory surgery center, or delivered to hospital by a non-EMS transport are not considered an inter-facility transfer. Outlying facilities that provide emergency services or that are utilized to stabilize a patient are considered acute care facilities.

Received by	2019	2020	2021	2022	2023	2024	2025
Inter-Facility Transfer	4499	4455	4723	5084	5569	5688	5846
Pre-Hospital	13505	13488	15011	16169	15287	15860	13926
Unknown	5	0	10	1	4	13	20
Total	18009	17943	19744	21254	20860	21561	19792

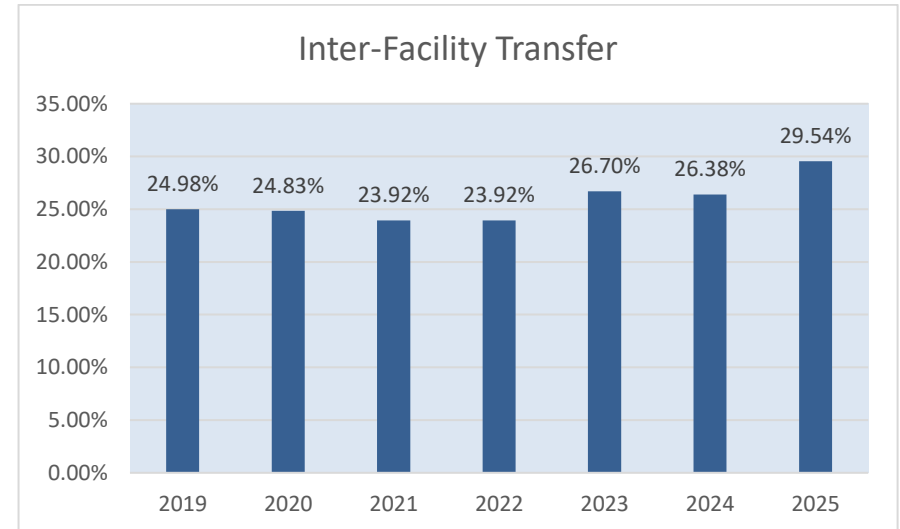
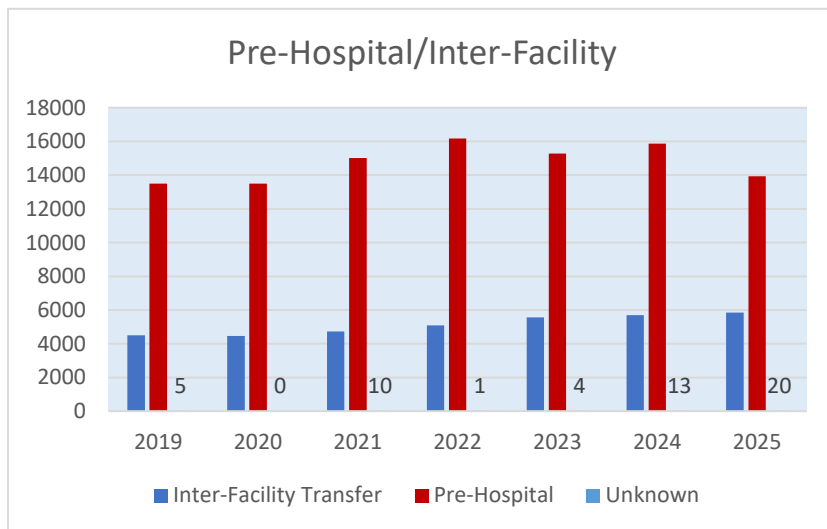


Figure 5: Payor Mix

Payor type for patients.

Paid Method	2019	2020	2021	2022	2023	2024	2025
Medicaid	6158	7269	7787	7855	7505	6672	5570
Medicare	4494	4173	4798	5456	5690	6614	6549
Other Government	272	236	273	376	345	372	343
Private/Commercial Insurance	4089	3637	3969	4542	4040	4502	4611
Not Paid	2996	2628	2917	3025	3280	3401	2719
Total	18009	17943	19744	21254	20860	21561	19792

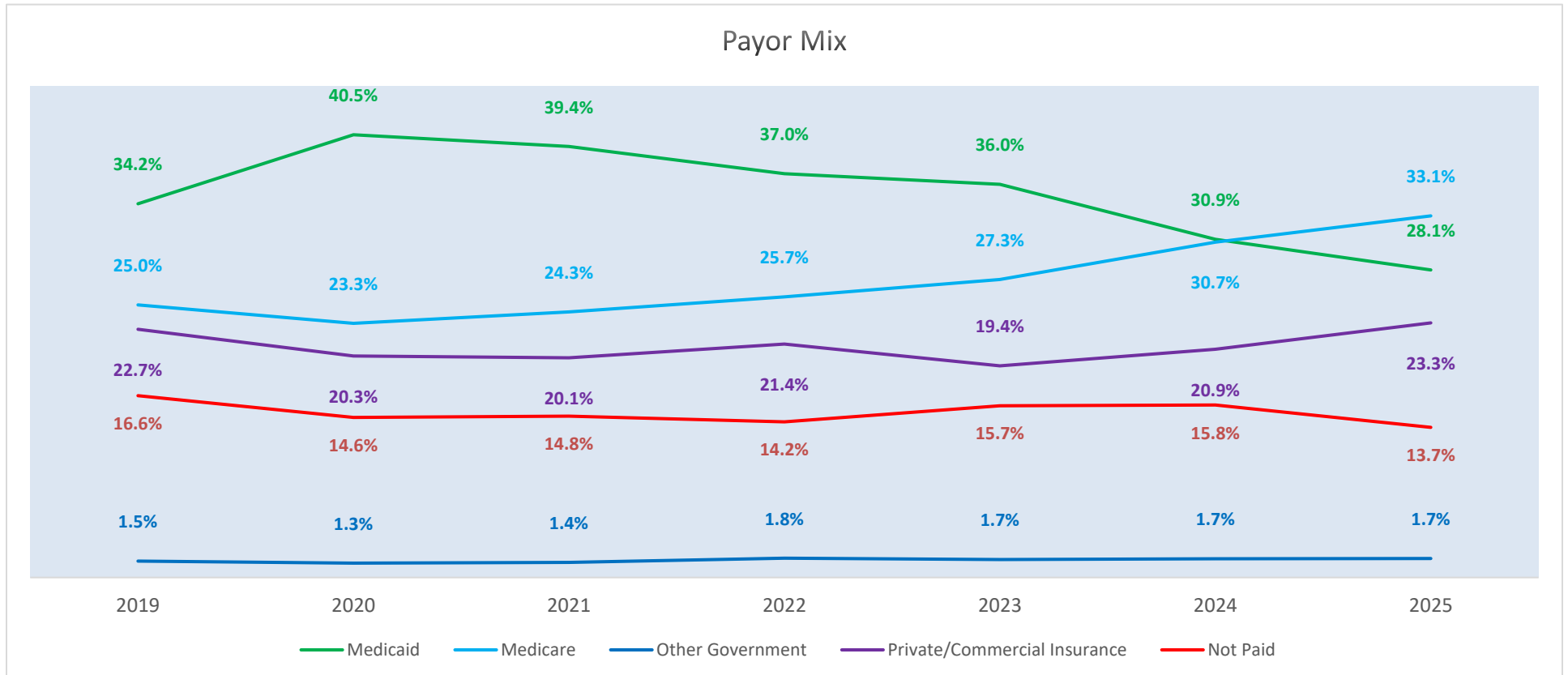


Figure 6: Hospital Average/Median Length of Stay

The hospital length of stay (LOS) is calculated by the using the admit time/date and the discharged time/date. For the purpose of this report days were adjusted based on each partial or full day is measured as one calendar day. Patients admitted and discharged on same day count as 0.

Year	Mean	Median
2019	4.90	2
2020	4.75	2
2021	5.14	3
2022	5.39	3
2023	5.29	3
2024	5.18	3
2025	5.19	3

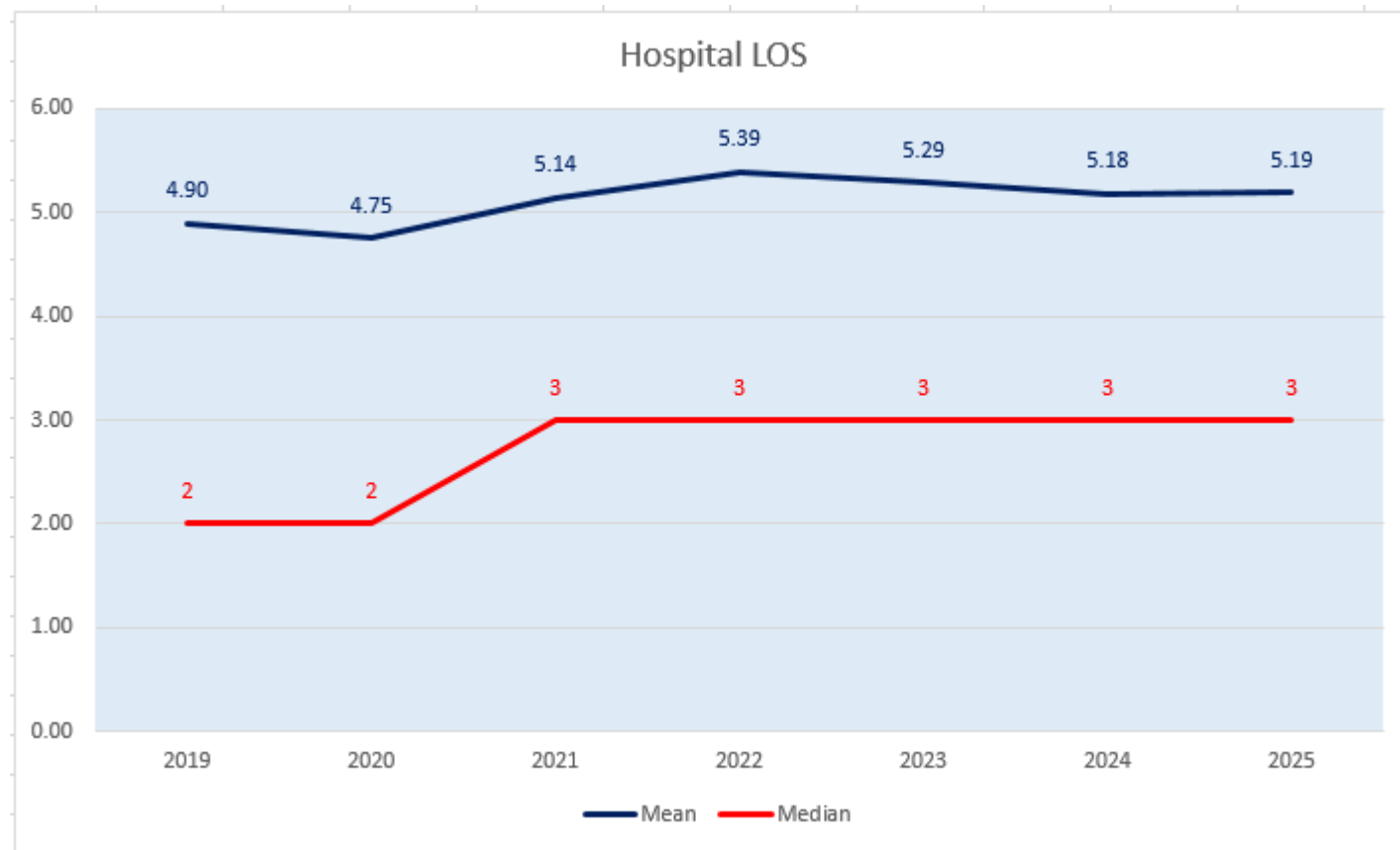


Figure 7: ICU Days

The intensive care unit (ICU) length of stay is the cumulative amount of time spent in ICU. Each partial or full day is measured as one calendar day. Only 5,048 patients (25.51%) out of 14,744 patients had an ICU admission. The chart below shows total ICU days for admitted patients.

ICU DAYS	TOTAL	PERCENT
1-5	3852	76.31%
6-10	684	13.55%
11-15	232	4.60%
16-20	126	2.50%
21-25	62	1.23%
26-30	42	0.83%
>30	50	0.99%
TOTAL	5048	100%

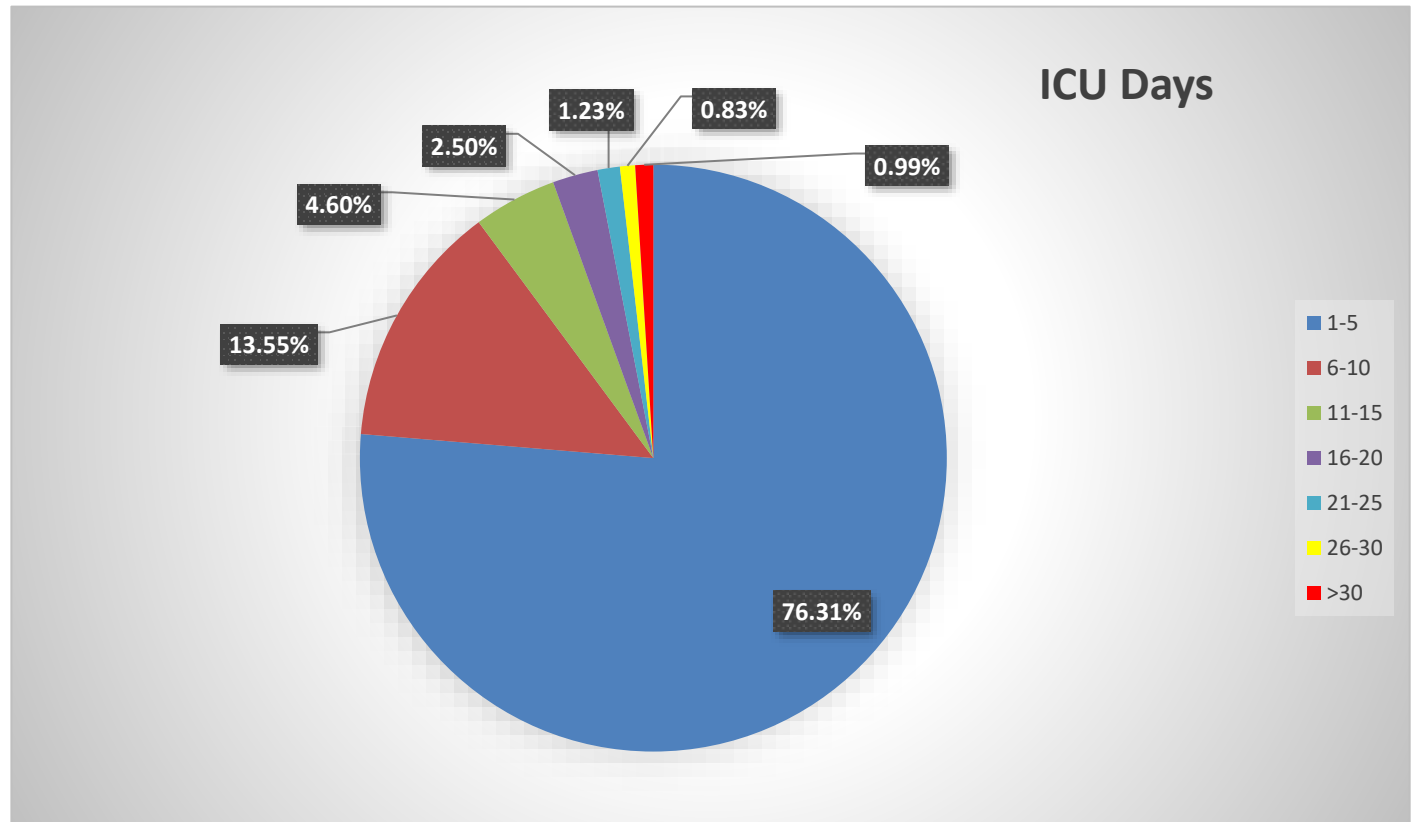


Figure 8: Blood Alcohol Testing

Of the 19,792 patients in the 2025 data, 48.7% were tested, 50.7% were not tested. Of the patients tested, 1,613 had a BAC $\geq$ 0.08% (above legal limit). For patients in an MVC, 487 MVC had a BAC $\geq$ 0.08%, 13 of which died. For patients in ATV accident, 88 had a BAC $\geq$ 0.08%, 3 of which died.

Tested	Total	Percent
Yes	9632	48.7%
No	10044	50.7%
Unknown	116	0.6%
Total	19792	100%

Tested Patients		ISS				
BAC Level	Total	0	1-8	9-15	16-24	>24
0	6152	202	2432	2194	753	571
0.01-0.07	1867	12	760	634	269	192
0.08-0.15	546	5	216	194	63	68
0.16-0.30	894	12	391	292	119	80
0.31-0.45	161	8	70	43	27	13
> 0.45	12	2	5	4	1	0
Total	9632	241	3874	3361	1232	924

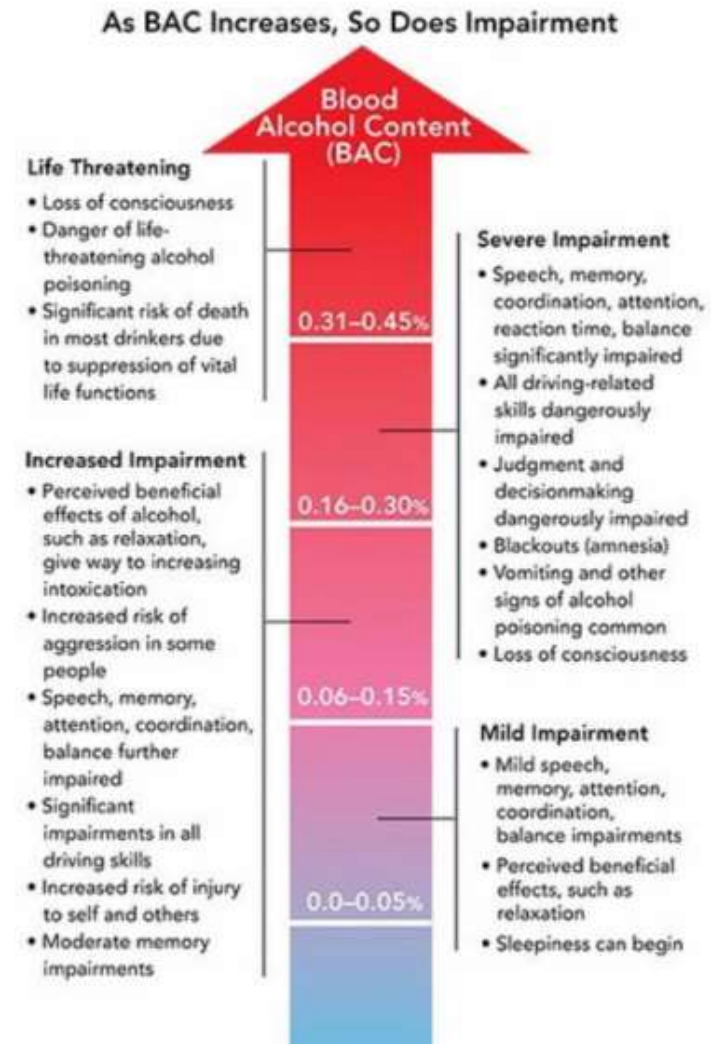
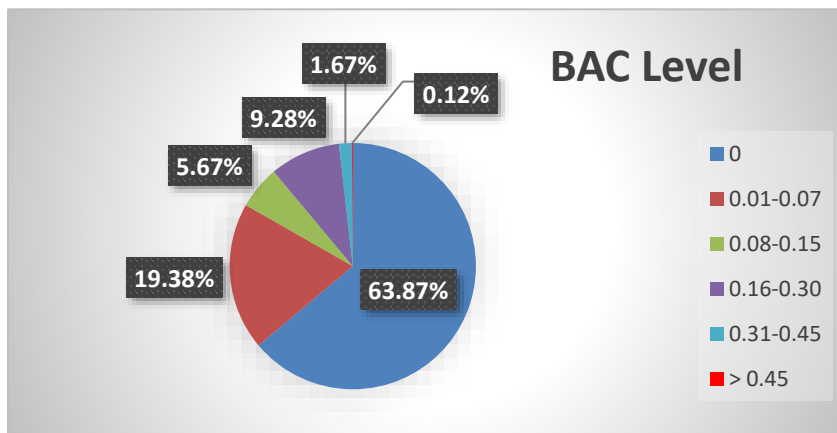
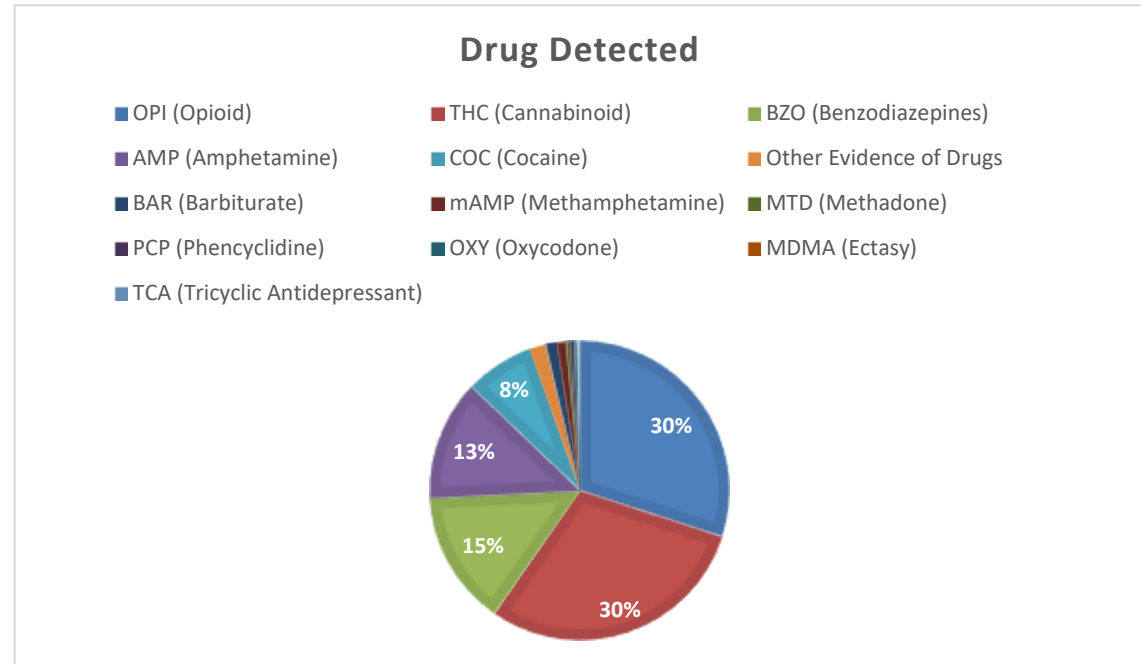


Figure 9: Drug Screening

Patients reported by based on drug screening. Of the 19,792 patients, 60.22% were not tested, 15.57% tested negative, and the remaining 24.22% tested positive. For patients in an MVC, 743 tested positive for one drug (25 died) and 464 tested positive for multiple drugs (6 died). For patients in an ATV accident, 110 tested positive for one drug (2 died) and 66 tested positive for multiple drugs (1 died).

Drug Screening	Total	Percent
Not Tested	11859	59.92%
None	3081	15.57%
Positive for Single Drug	2830	14.30%
Positive for Multiple Drugs	1963	9.92%
Unknown	59	0.30%
Total	19792	100%

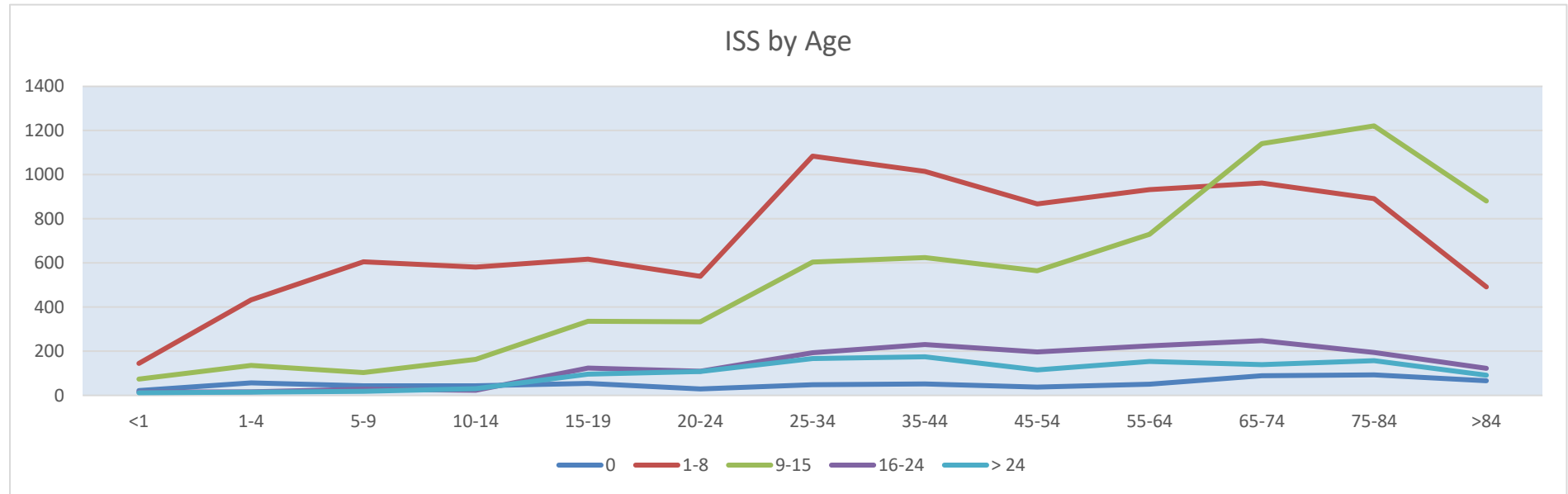
Drug	Total	Percent
OPI (Opioid)	2258	30.01%
THC (Cannabinoid)	2232	29.66%
BZO (Benzodiazepines)	1095	14.55%
AMP (Amphetamine)	972	12.92%
COC (Cocaine)	563	7.48%
Other Evidence of Drugs	128	1.70%
BAR (Barbiturate)	91	1.21%
mAMP (Methamphetamine)	73	0.97%
MTD (Methadone)	34	0.45%
PCP (Phencyclidine)	32	0.43%
OXY (Oxycodone)	25	0.33%
MDMA (Ecstasy)	15	0.20%
TCA (Tricyclic Antidepressant)	7	0.09%
Total	7525	100%



Drug	Avg. ISS
THC (Cannabinoid)	11
OPI (Opioid)	10
AMP (Amphetamine)	11
BZO (Benzodiazepines)	12
COC (Cocaine)	11

Figure 10a: ISS by Age (All Patients)

Patients reported by age group and ISS score. The Injury Severity Score (ISS) is a system for numerically stratifying injury severity. The ISS system has a range of 1-75 and risk of death increases with a higher score. NTDB categorizes ISS 1-8 as Minor; 9-15 as Moderate; 16-24 as Severe; and greater than 24 as Very Severe.



	Mean ISS Score		
Year	All Facilities	I & II	III
2019	8.43	8.71	6.75
2020	8.89	9.21	7.29
2021	8.88	9.02	7.87
2022	8.58	8.75	7.71
2023	8.93	9	8.56
2024	8.62	8.7	8.19
2025	8.85	9.02	8.29

Figure 10b: ISS by Age (MVC and Motorcycle Accidents)

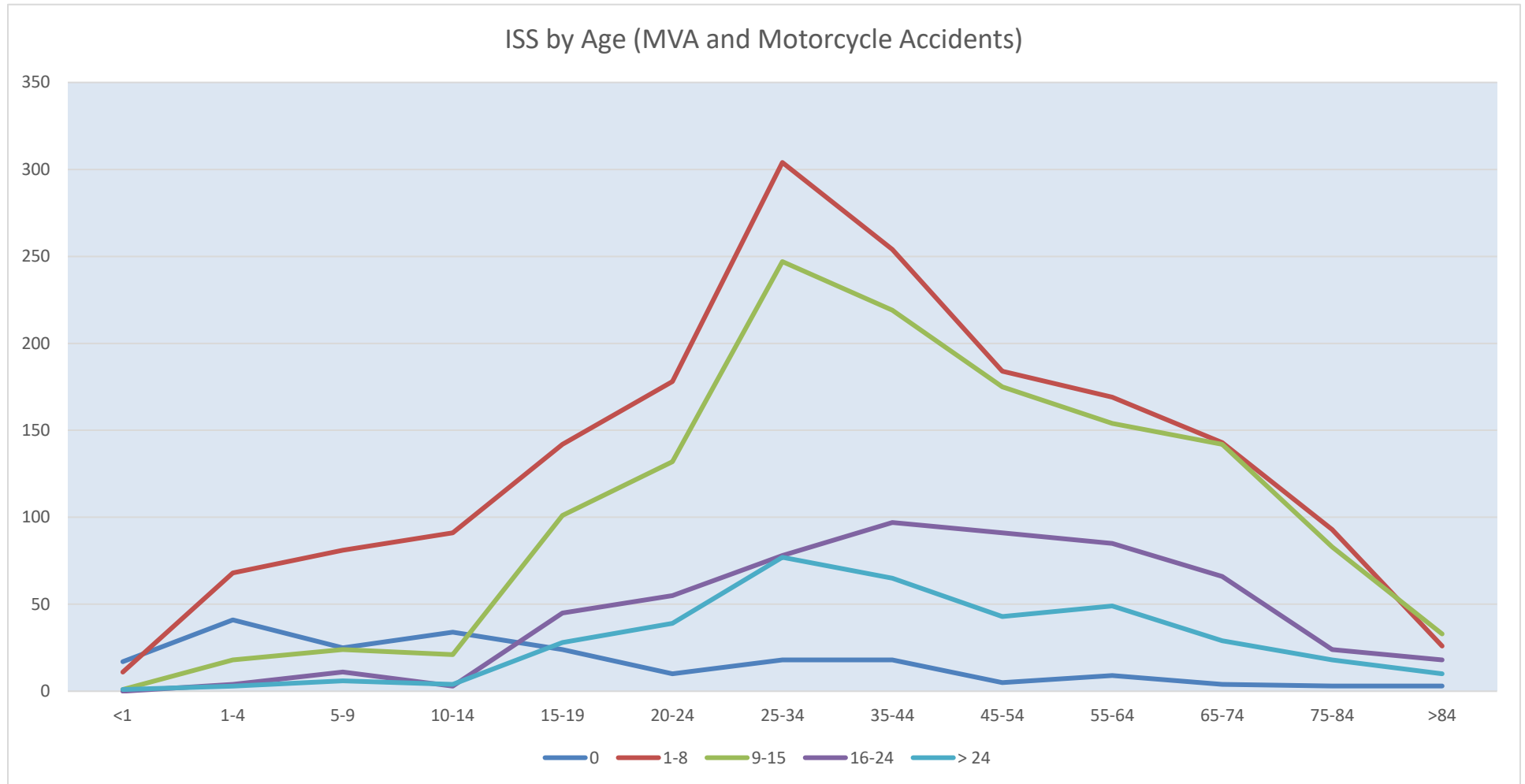


Figure 10c: ISS by Age (ATV Accidents)

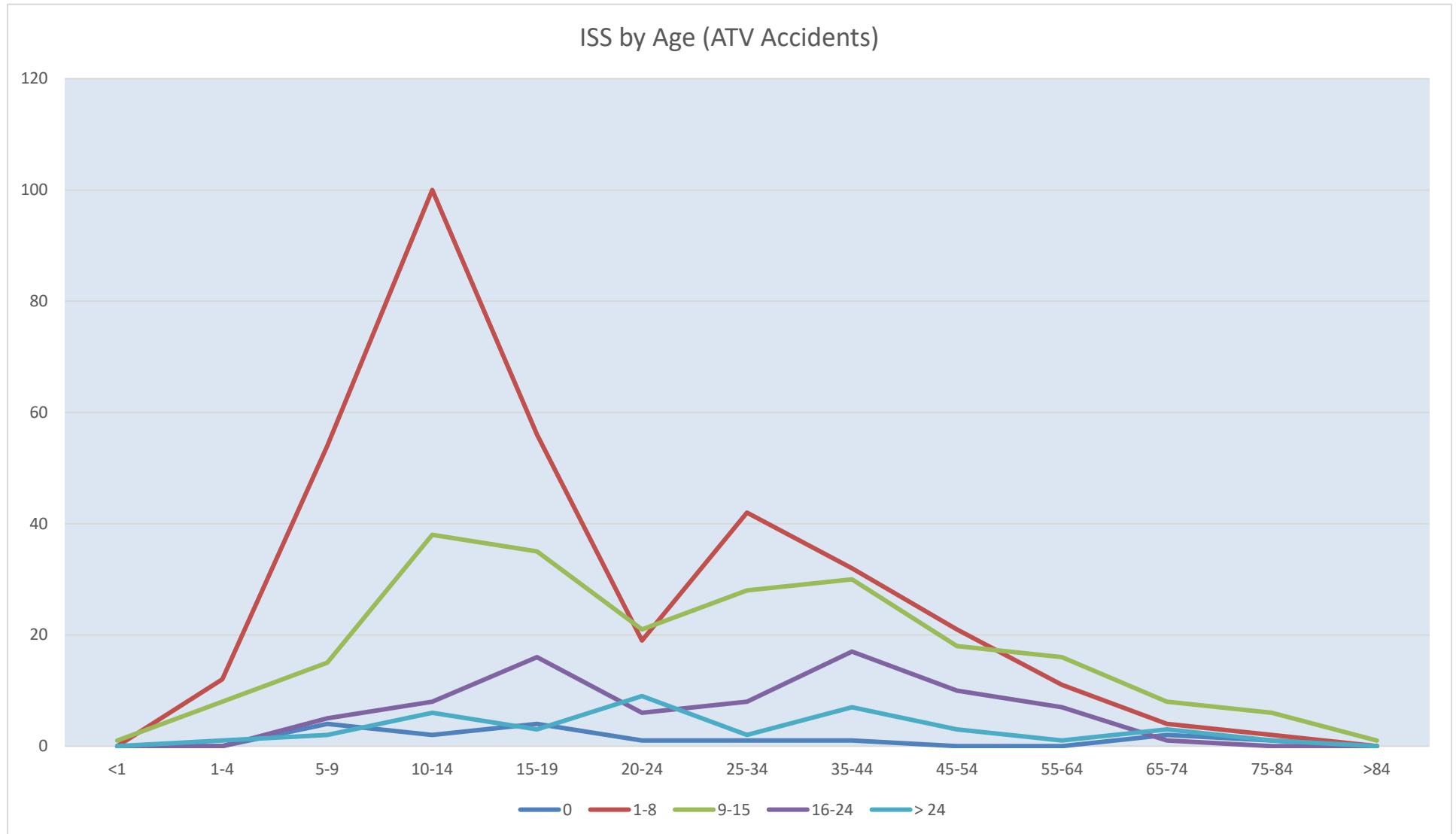


Figure 11: Total Patients in Registry by Year / Deaths Percent by Year

In 2016, there were 9 facilities reporting. In 2017, the number of facilities reporting increased to 10. In 2020, the number of facilities reporting increased to 11. In 2022, 13 facilities were reporting. Death percentage includes patient that arrived to ED without signs of life.

