



# **North Central Regional Trauma Advisory Council**

**A BRIEF LOOK AT OUR REGION'S DATA - CY 2024**

**(DATA AS OF 4/29/2025)**

# TOTAL RECORDS

## For CY 2024

- A total of **4,715** records have been submitted from **15** hospitals

	2017	2018	2019	2020	2021	2022	2023
Records	4,124	4,499	4,810	4,921	5,642	5,454	4751

- May include duplicate entries for transferred patients
- 46.5% Female, 52.5% Male
- 93.8% Blunt, 2.6% Penetrating, 0.3% Burn

# MECHANISM OF INJURY

## (CATEGORY, ALL CASES)

Incident ICD-10 Injury Category (TR200.3)	Count Of Incidents	Percent of Count Of Incidents Grand Total
(W00-W19) Slipping, tripping, stumbling and falls	831	60.39%
(V40-V49) Car occupant injured in transport accident	128	9.30%
(V80-V89) Other land transport accidents	117	8.50%
(V20-V29) Motorcycle rider injured in transport accident	69	5.01%
(W20-W49) Exposure to inanimate mechanical forces	53	3.85%
(V10-V19) Pedal cycle rider injured in transport accident	39	2.83%
(V50-V59) Occupant of pick-up truck or van injured in transport accident	35	2.54%
(W50-W64) Exposure to animate mechanical forces	28	2.03%
(V00-V09) Pedestrian injured in transport accident	23	1.67%
(X92-Y08) Assault	14	1.02%
(X71-X83) Intentional self-harm	10	0.73%
(V90-V94) Water transport accidents	8	0.58%

# MECHANISM OF INJURY

## (SPECIFIC, ALL CASES)

ICD-10 Injury Descrip	Count	Percent
Fall same lev from slip/trip w/o strike against object, init	995	20.85%
Fall (on) (from) other stairs and steps, initial encounter	245	5.13%
Fall on same level, unspecified, initial encounter	224	4.69%
Other fall on same level, initial encounter	214	4.48%
Unspecified fall, initial encounter	181	3.79%
Fall same lev from slip/trip w strike agnst oth object, init	153	3.21%
Fall on and from ladder, initial encounter	116	2.43%
Fall from bed, initial encounter	107	2.24%
Driver of 3- or 4- wheeled ATV injured nontraf, init	81	1.70%
Car driver injured in clsn with statnry object in traf, init	80	1.68%
Car driver injured in collision w car in traf, init	80	1.68%
Car driver injured in nonclsn trnsp accident in traf, init	68	1.42%
Fall (on) (from) unspecified stairs and steps, init encntr	68	1.42%
Fall on same level due to ice and snow, initial encounter	68	1.42%
Fall from chair, initial encounter	67	1.40%
Other fall from one level to another, initial encounter	56	1.17%

# MECHANISM OF INJURY

(CATEGORY, ISS > 15)

Incident ICD-10 Injury Category (TR200.3)	Count Of Incidents	Percent of Count Of Incidents Grand Total
(W00-W19) Slipping, tripping, stumbling and falls	1,127	46.63%
(V40-V49) Car occupant injured in transport accident	356	14.73%
(V80-V89) Other land transport accidents	329	13.61%
(V20-V29) Motorcycle rider injured in transport accident	178	7.36%
(V00-V09) Pedestrian injured in transport accident	109	4.51%
(V50-V59) Occupant of pick-up truck or van injured in transport accident	99	4.10%
(W20-W49) Exposure to inanimate mechanical forces	85	3.52%
(X92-Y08) Assault	51	2.11%
(V10-V19) Pedal cycle rider injured in transport accident	44	1.82%
(X71-X83) Intentional self-harm	39	1.61%

- **Mortality Rate**

- 2024: NC 2.92% vs State 2.17%
- 2023: NC 2.75% vs State 2.24%
- 2022: NC 2.9% vs State 2.46%
- 2021: NC 2.56% vs State 2.47%

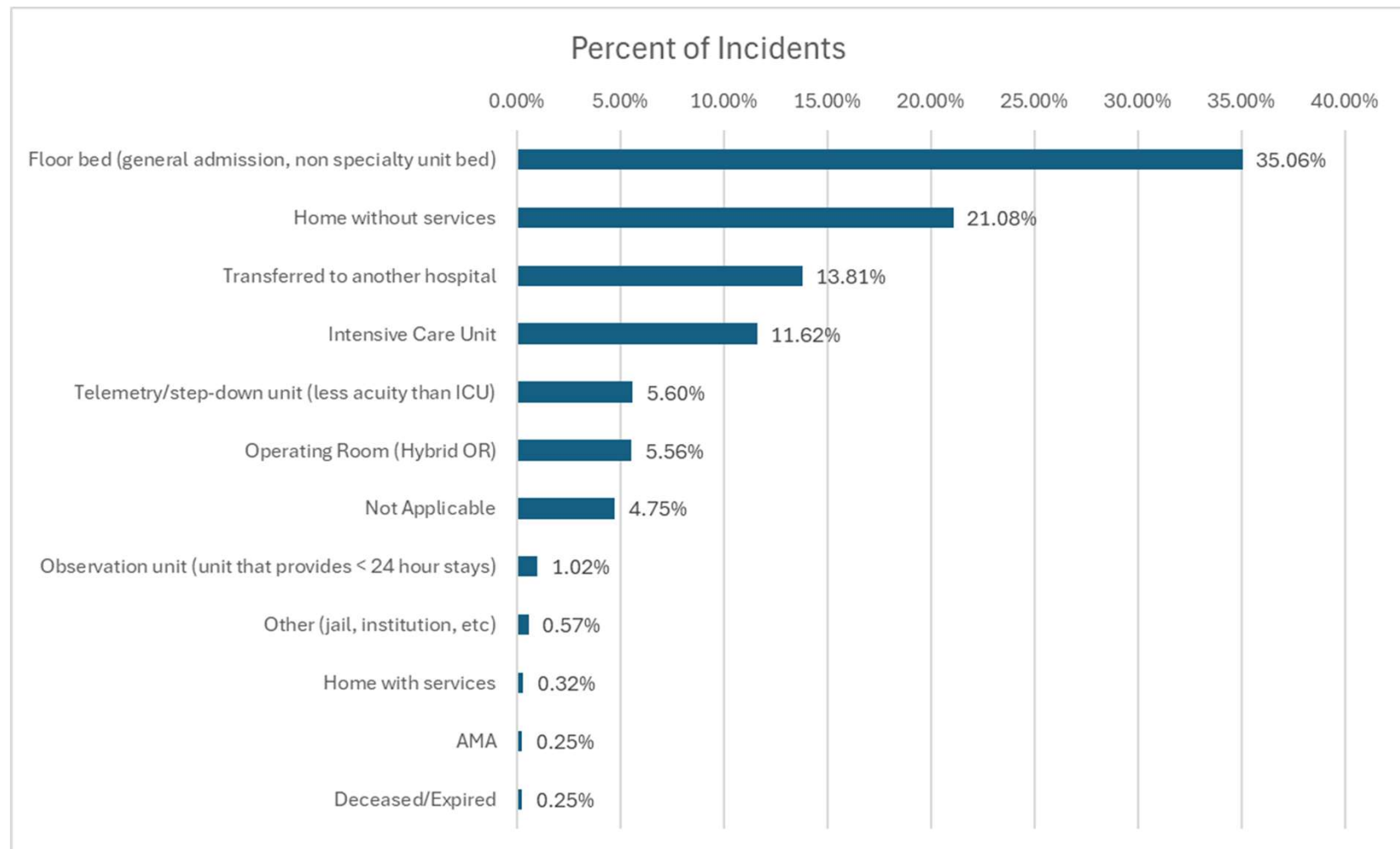
# PATIENT AGE

Patient Age Range In Years	Count Of Incidents	Percent of Count Of Incidents Grand Total
<1	29	0.62%
1-4	61	1.29%
5-9	90	1.91%
10-14	95	2.01%
15-19	214	4.54%
20-24	173	3.67%
25-34	239	5.07%
35-44	252	5.34%
45-54	315	6.68%
55-64	572	12.13%
65-74	849	18.01%
75-84	1,033	21.91%
85+	789	16.73%
Not Reported	4	0.08%
<b>Grand Total</b>	<b>4,715</b>	<b>100%</b>

Age	%
<=19	10.37%
20-64	32.85%
>=65	56.65%

# EMERGENCY DEPARTMENT DISPOSITION

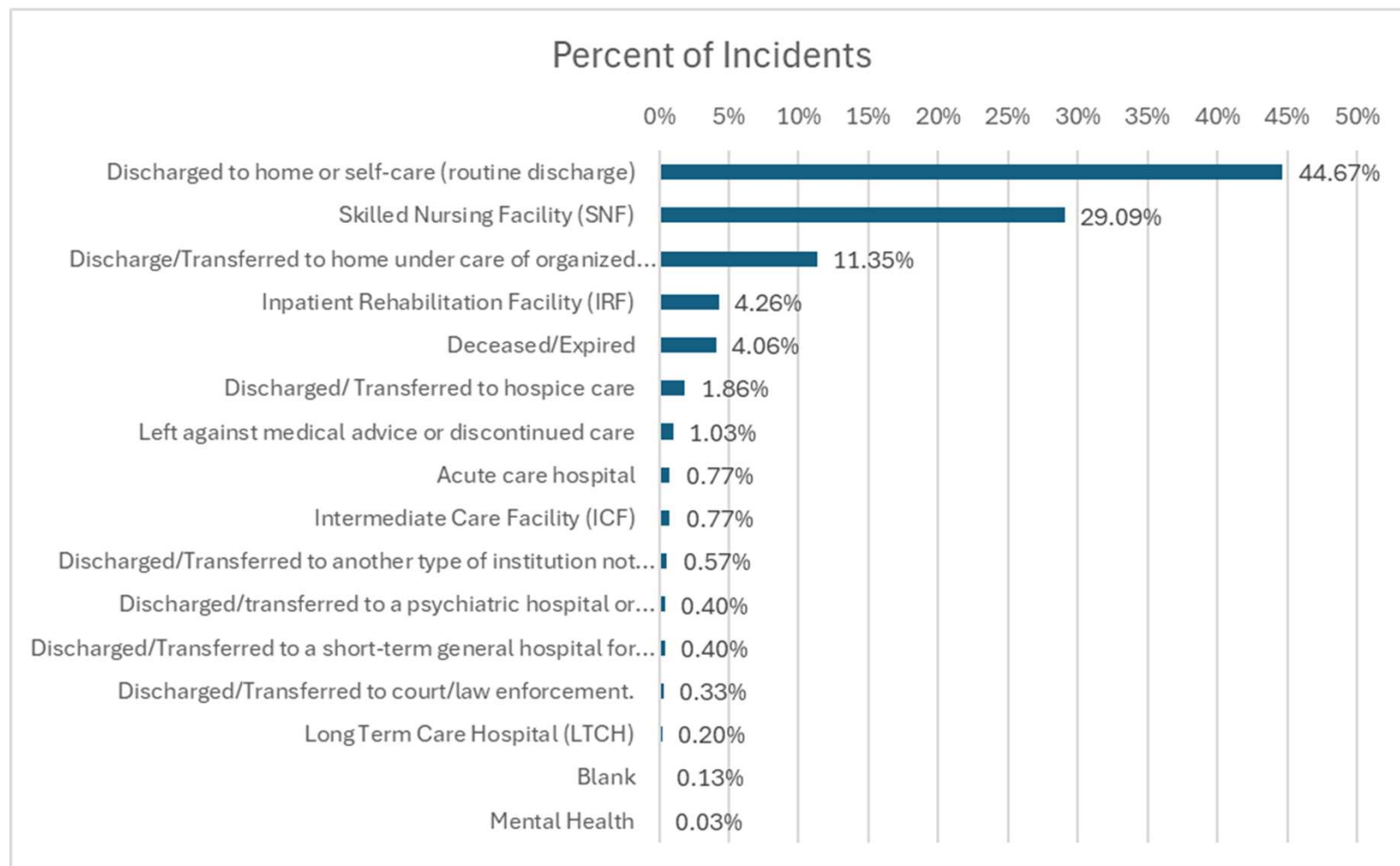
- 13.81% of patients were transferred





# HOSPITAL DISCHARGE DISPOSITION

- 57.1% of patients were discharged home



## Injury Severity Score

2024

ISS Score Range	Percent
ISS left Blank	1 0.02%
0-9	3,491 74.04%
10-15	738 15.65%
16-24	325 6.89%
25-75	160 3.39%
<b>Total: 4,715</b>	<b>Total: 100.00%</b>

10.3

## Injury Severity Score

2023

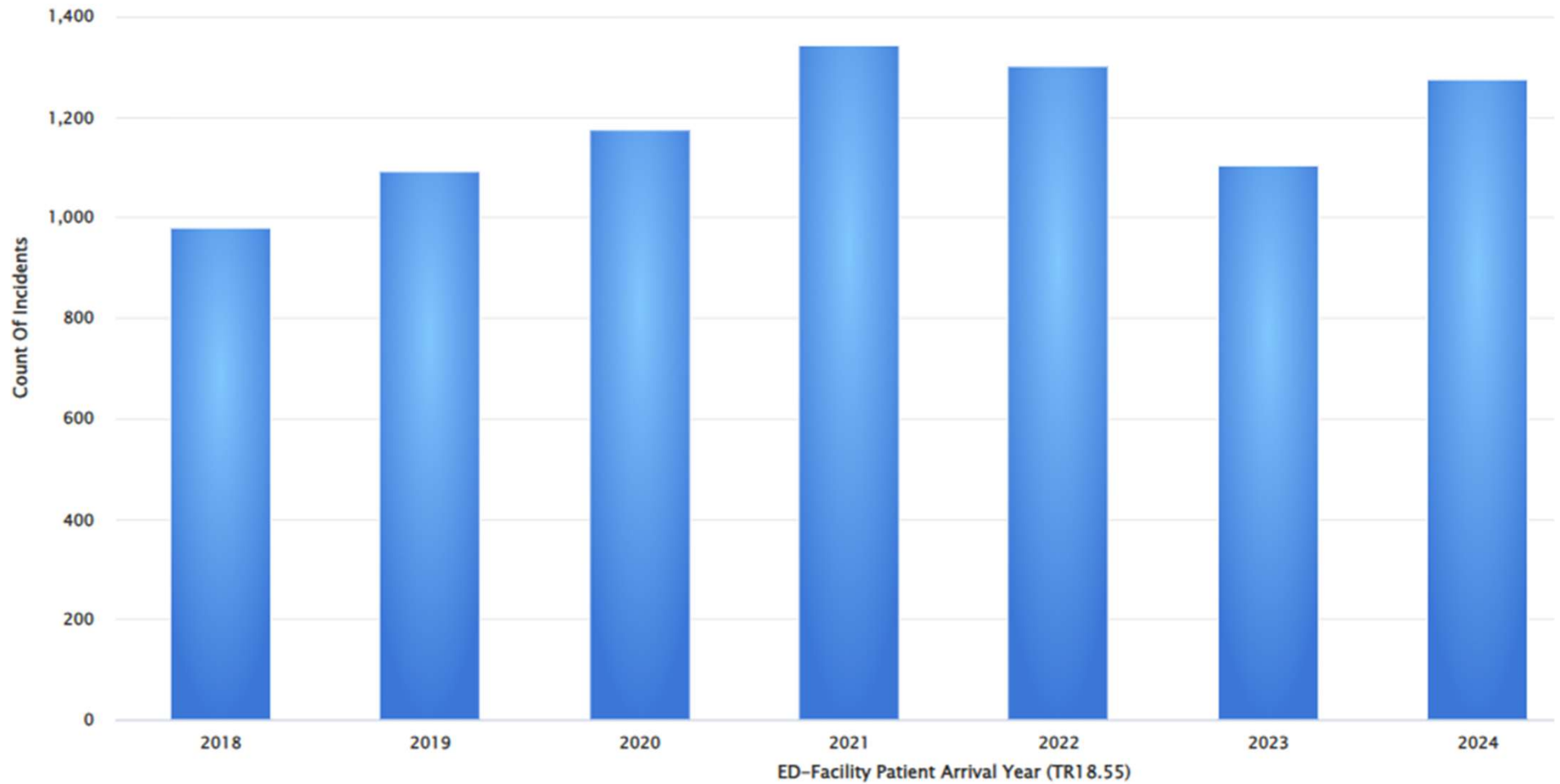
ISS Score Range	Percent
ISS left Blank	50 1.05%
0-9	3,516 74.01%
10-15	715 15.05%
16-24	298 6.27%
25-75	172 3.62%
<b>Total: 4,751</b>	<b>Total: 100.00%</b>

9.9

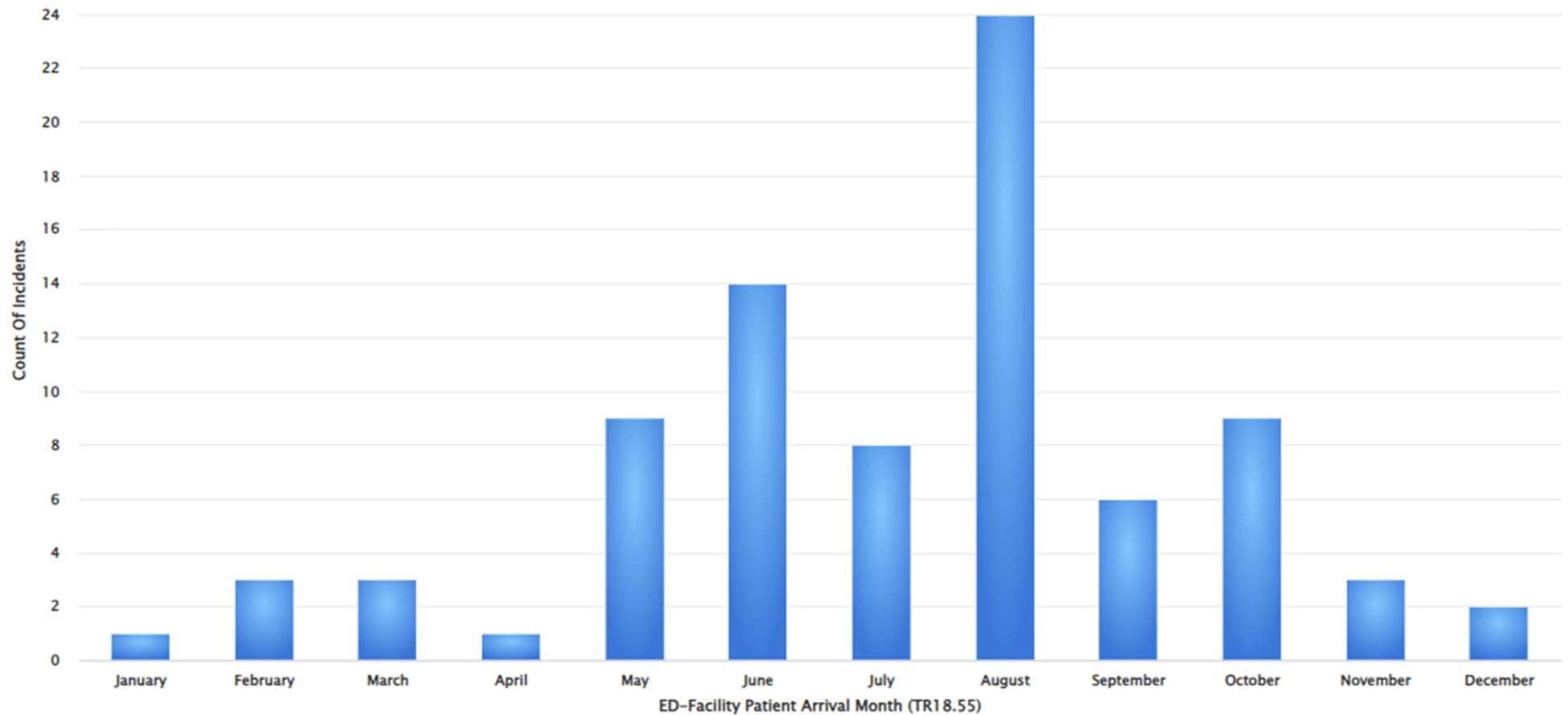
# INJURY LOCATIONS

ICD-10 Location Description	Count	Percent
Oth place in single-family (private) house as place	323	6.85%
Unsp street and highway as place	304	6.45%
Unsp place in single-family (private) house as place	277	5.87%
Unspecified place or not applicable	266	5.64%
State road as the place of occurrence of the external cause	255	5.41%
Local residential or business street as place	187	3.97%
Garden or yard in single-family (private) house as place	173	3.67%
Bathroom of single-family (private) house as place	171	3.63%
Unsp place in unsp non-institut (private) residence as place	154	3.27%
Street, highway and other paved roadways as place	130	2.76%
Oth recreation area as place	127	2.69%
Bedroom of single-family (private) house as place	126	2.67%
Single-family non-institutional (private) house as place	125	2.65%
Kitchen of single-family (private) house as place	113	2.40%
Non-institutional (private) residence as place	105	2.23%
Private garage of single-family (private) house as place	92	1.95%
Unsp place in oth residential institution as place	78	1.65%
Unsp place in nursing home as place	70	1.48%
Parking lot as the place of occurrence of the external cause	69	1.46%
Private driveway to single-family (private) house as place	67	1.42%
Unsp place in apartment as place	65	1.38%
Bedroom in nursing home as place	63	1.34%
Oth place in unsp non-institut (private) residence as place	63	1.34%
Sidewalk as the place of occurrence of the external cause	62	1.31%
Oth place in apartment as place	51	1.08%
Garden or yard of unsp non-institut residence as place	47	1.00%
Oth places as the place of occurrence of the external cause	47	1.00%

# FALLS BY YEAR



# ATV/UTV BY MONTH



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Total ATV/UTV: 2023 – 69    2024 - 83