

## ARIZONA STATE TRAUMA REGISTRY

### Standard Public Report - 2008 Trauma Data - Version 1.2 (DRAFT)

Important information about the 2008 Arizona State Trauma Registry (ASTR) data:

Twelve hospitals contributed 2008 trauma data to the Arizona State Trauma Registry (ASTR). Eight of the reporting facilities were designated as Level I Trauma Centers and one facility as a Level IV Trauma Center at the time of data submission. The remaining three were non-designated. Reporting hospitals were instructed to submit records based on ASTR Trauma Patient Inclusion Criteria. As of 7/18/09, there were 25733 records submitted to ASTR with ED Arrival Dates from 1/1/08 to 12/31/08.

This report reflects trauma data as it existed in the ASTR database on 7/18/09. Duplicate cases have not been identified, and a transferred patient may show up more than once in the ASTR database. ASTR collects data from a limited number of hospitals in Arizona, thus the records in this report are not representative of all Arizona trauma cases statewide.

Report Definitions:

\*BLANK or \*BL in this report means that a value was not submitted by the facility for that specific data element.

\*NOT DOCUMENTED or \*ND means that the registrar entered a Not Documented response for that specific data element. The ASTR Data Dictionary defines Not Documented as no documentation in record, unknown.

\*NOT APPLICABLE or \*NA in this report means that the registrar entered a Not Applicable response for that specific data element. In the ASTR Data Dictionary, Not Applicable is allowed in instances where the data element does not apply to the specific circumstances of the trauma case. For example, the date of the EMS run sheet does not apply if the patient was transported to the hospital by a relative.

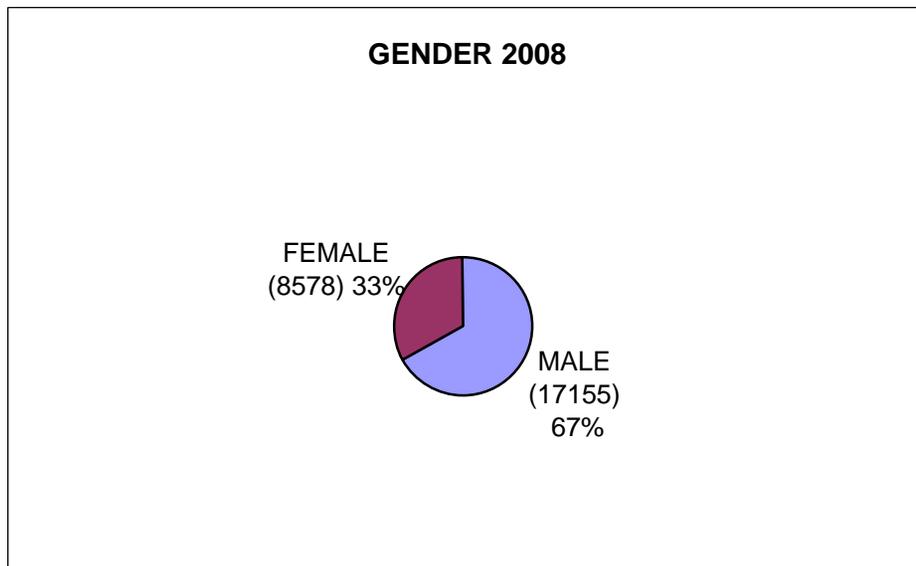
For questions regarding this report or for a list of the quality checks run on the 2008 data, please contact Joel Bunis with the Arizona Department of Health Services at 602-364-3189, email: [joel.bunis@azdhs.gov](mailto:joel.bunis@azdhs.gov).

**FACILITIES THAT SUBMITTED 2008 DATA TO ASTR**

(2008 DATA = ED Arrival Dates 1/1/08-12/31/08)

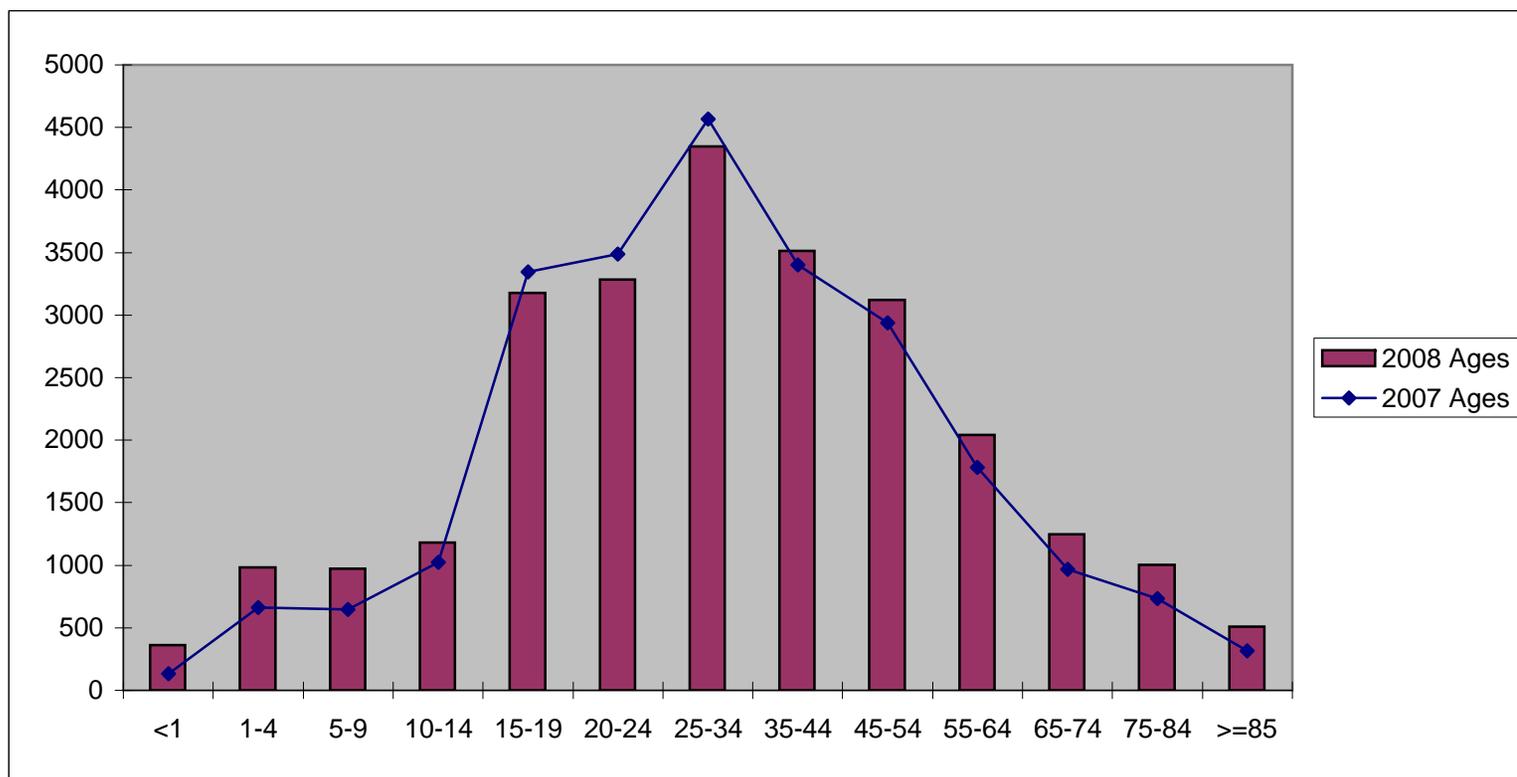
	<b>Reporting Facility Name</b>	<b>Trauma Center designation level at time of ASTR data submission</b>
1	Banner Good Samaritan Medical Center	Level I
2	Flagstaff Regional Medical Center	Level I
3	John C. Lincoln North Mountain Hospital	Level I
4	Maricopa Medical Center	Level I
5	Phoenix Children's Hospital	Level I
6	Scottsdale Healthcare Osborn	Level I
7	St. Joseph's Hospital and Medical Center	Level I
8	University Medical Center (Tucson)	Level I
9	Summit Healthcare Regional	Level IV
10	Tuba City Regional Healthcare Corporation	Non-Designated
11	Yavapai Regional Medical Center	Non-Designated
12	Yuma Regional Medical Center	Non-Designated

### GENDER 2008



GENDER	NUMBER	PERCENT
MALE	17155	66.67
FEMALE	8578	33.33
UNKNOWN	0	0.00
<b>TOTAL</b>	<b>25733</b>	<b>100.00</b>

### AGE IN YEARS 2008

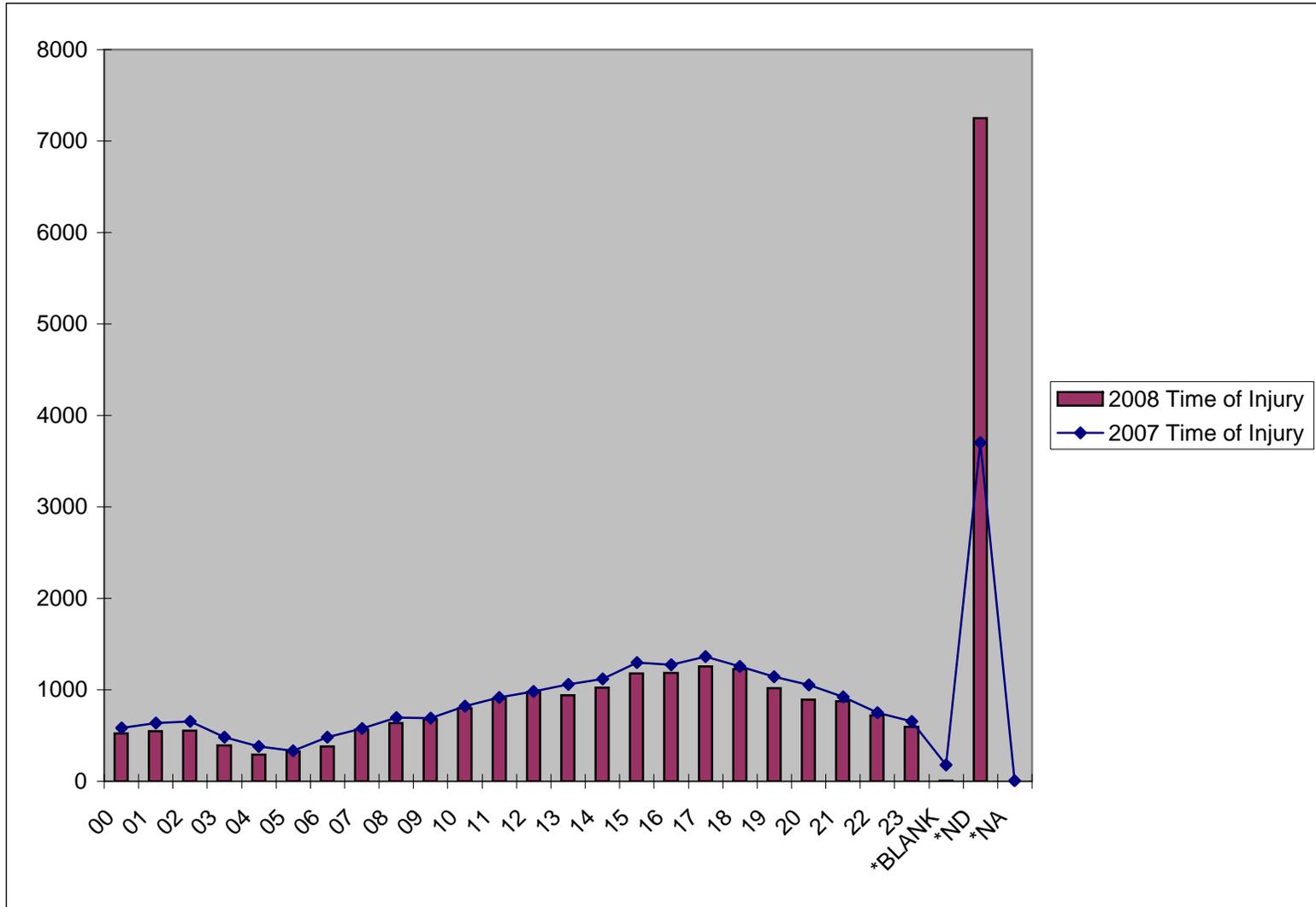


AGE**	NUMBER	PERCENT
<1	359	1.40
1-4	982	3.82
5-9	971	3.77
10-14	1179	4.58
15-19	3179	12.35
20-24	3282	12.75
25-34	4349	16.90
35-44	3512	13.65
45-54	3121	12.13
55-64	2043	7.94
65-74	1246	4.84
75-84	1002	3.89
>=85	508	1.97
*BLANK	0	0.00
*ND	0	0.00
<b>TOTAL</b>	<b>25733</b>	<b>100.00</b>

**\*\*Note: Calculated based on the ASTR Trauma One "Age (Years)" field.**

Total 2007 = 24022

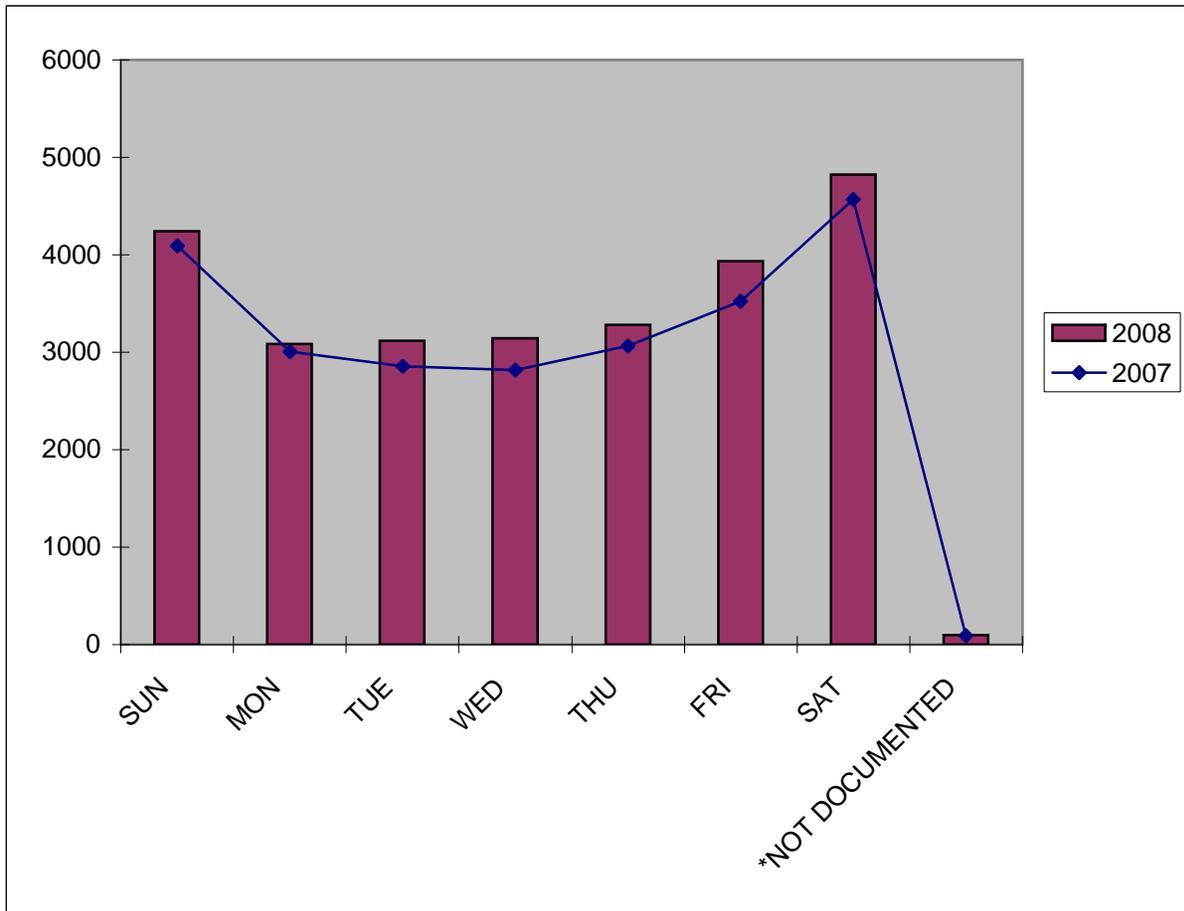
### INJURY TIME OF DAY 2008



TIME OF INJURY - HOUR OF DAY	NUMBER	PERCENT
00	524	2.04
01	546	2.12
02	556	2.16
03	394	1.53
04	293	1.14
05	325	1.26
06	381	1.48
07	564	2.19
08	638	2.48
09	678	2.63
10	796	3.09
11	902	3.51
12	975	3.79
13	942	3.66
14	1025	3.98
15	1181	4.59
16	1183	4.60
17	1255	4.88
18	1225	4.76
19	1016	3.95
20	892	3.47
21	873	3.39
22	720	2.80
23	597	2.32
*BLANK	3	0.01
*ND	7249	28.17
*NA	0	0.00
<b>TOTAL</b>	<b>25733</b>	<b>100.00</b>

**Total 2007 = 24022**

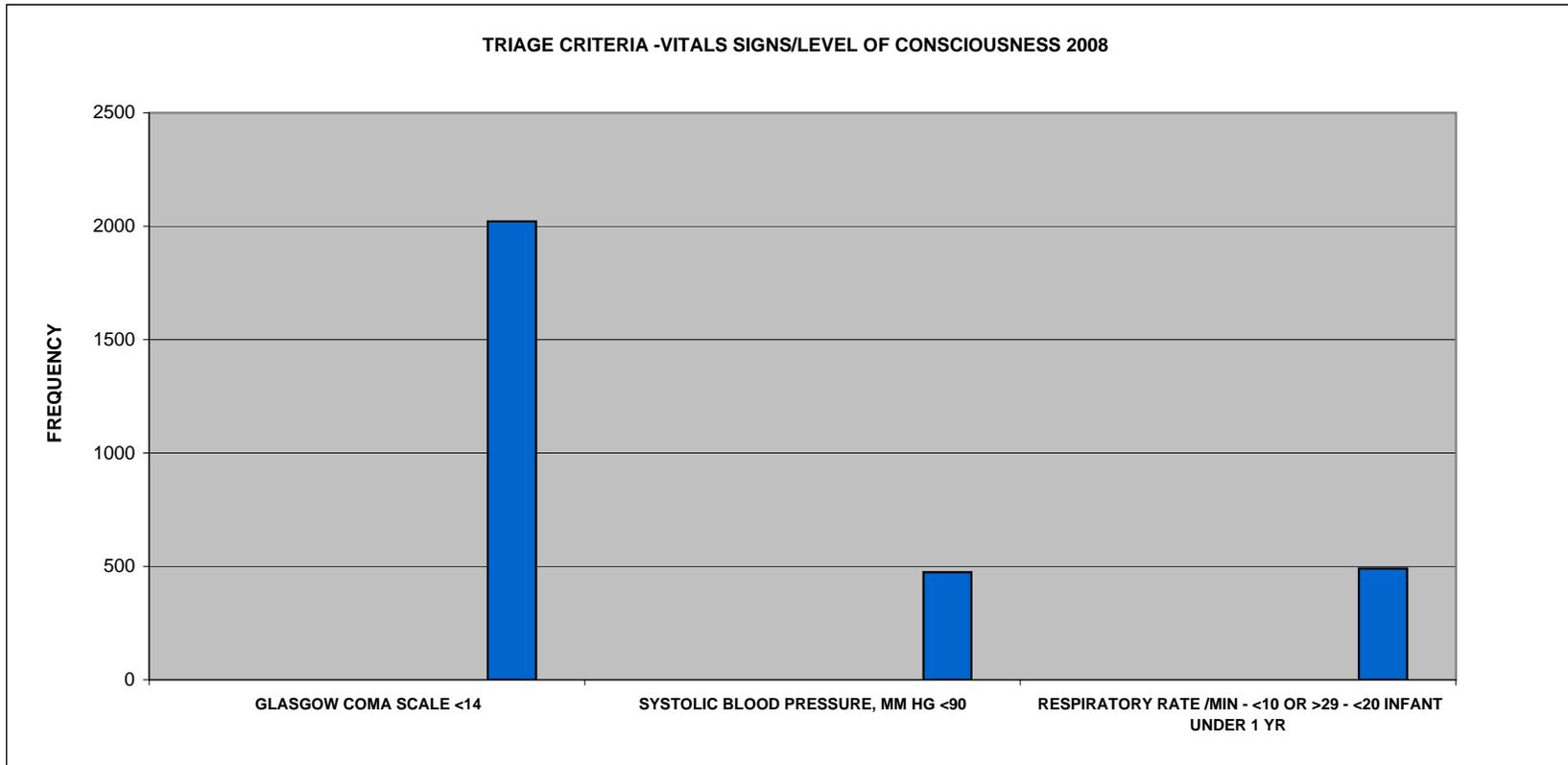
### INJURY DAY OF WEEK 2008



INJURY DATE - DAY OF WEEK	NUMBER	PERCENT
SUN	4245	16.50
MON	3088	12.00
TUE	3118	12.12
WED	3146	12.23
THU	3279	12.74
FRI	3935	15.29
SAT	4824	18.75
*BLANK	0	0.00
*NOT DOCUMENTED	98	0.38
*NOT APPLICABLE	0	0.00
<b>TOTAL</b>	<b>25733</b>	<b>100.00</b>

Total 2007 = 24022

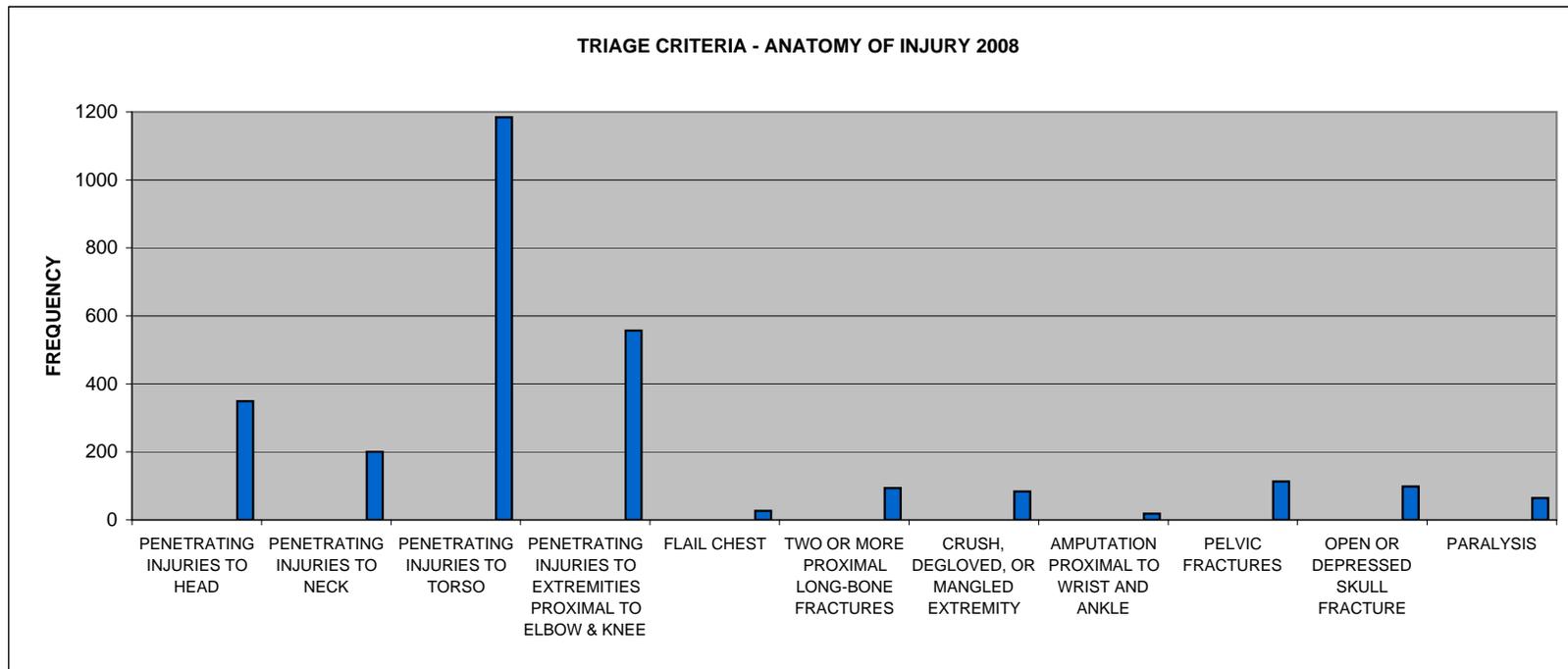
**TRIAGE CRITERIA -VITALS SIGNS/LEVEL OF CONSCIOUSNESS 2008**



TRIAGE CRITERIA	FREQUENCY
GLASGOW COMA SCALE <14	2021
SYSTOLIC BLOOD PRESSURE, MM HG <90	474
RESPIRATORY RATE /MIN - <10 OR >29 - <20 INFANT UNDER 1 YR	490
<b>Total</b>	<b>2985</b>

**Note: Total number of Triage Criteria = 32638  
The Triage Criteria field allows for multiple entries of triage criteria for each patient.**

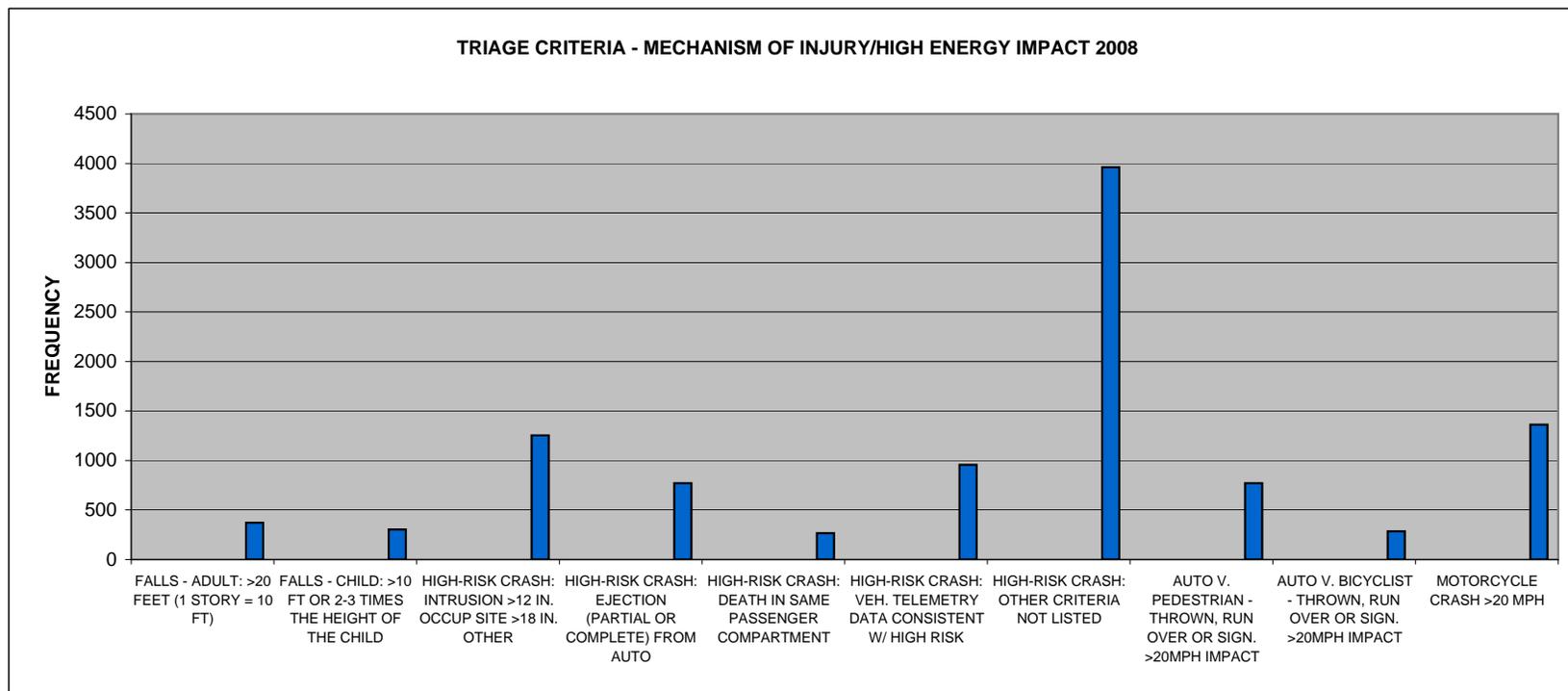
**TRIAGE CRITERIA - ANATOMY OF INJURY 2008**



TRIAGE CRITERIA	FREQUENCY
PENETRATING INJURIES TO HEAD	349
PENETRATING INJURIES TO NECK	200
PENETRATING INJURIES TO TORSO	1184
PENETRATING INJURIES TO EXTREMITIES PROXIMAL TO ELBOW & KNEE	557
FLAIL CHEST	27
TWO OR MORE PROXIMAL LONG-BONE FRACTURES	94
CRUSH, DEGLOVED, OR MANGLED EXTREMITY	84
AMPUTATION PROXIMAL TO WRIST AND ANKLE	18
PELVIC FRACTURES	113
OPEN OR DEPRESSED SKULL FRACTURE	98
PARALYSIS	64
<b>Total</b>	<b>2788</b>

**Note: Total number of Triage Criteria = 32638  
The Triage Criteria field allows for multiple entries of triage criteria for each patient.**

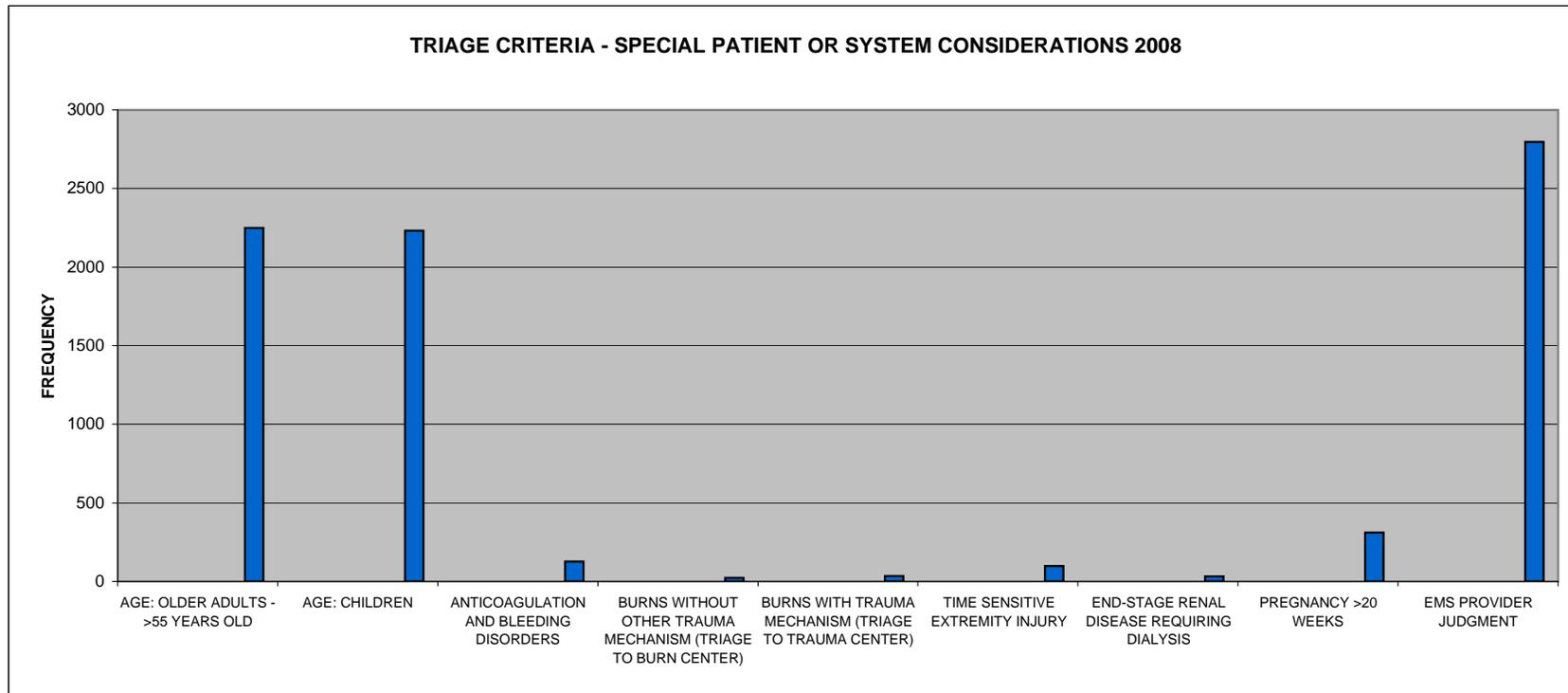
### TRIAGE CRITERIA - MECHANISM OF INJURY/HIGH ENERGY IMPACT 2008



TRIAGE CRITERIA	FREQUENCY
FALLS - ADULT: >20 FEET (1 STORY = 10 FT)	370
FALLS - CHILD: >10 FT OR 2-3 TIMES THE HEIGHT OF THE CHILD	303
HIGH-RISK CRASH: INTRUSION >12 IN. OCCUP SITE >18 IN. OTHER	1252
HIGH-RISK CRASH: EJECTION (PARTIAL OR COMPLETE) FROM AUTO	771
HIGH-RISK CRASH: DEATH IN SAME PASSENGER COMPARTMENT	266
HIGH-RISK CRASH: VEH. TELEMETRY DATA CONSISTENT W/ HIGH RISK	956
HIGH-RISK CRASH: OTHER CRITERIA NOT LISTED	3960
AUTO V. PEDESTRIAN - THROWN, RUN OVER OR SIGN. >20MPH IMPACT	770
AUTO V. BICYCLIST - THROWN, RUN OVER OR SIGN. >20MPH IMPACT	285
MOTORCYCLE CRASH >20 MPH	1362
<b>Total</b>	<b>10295</b>

**Note: Total number of Triage Criteria = 32638**  
 The Triage Criteria field allows for multiple entries of triage criteria for each patient.

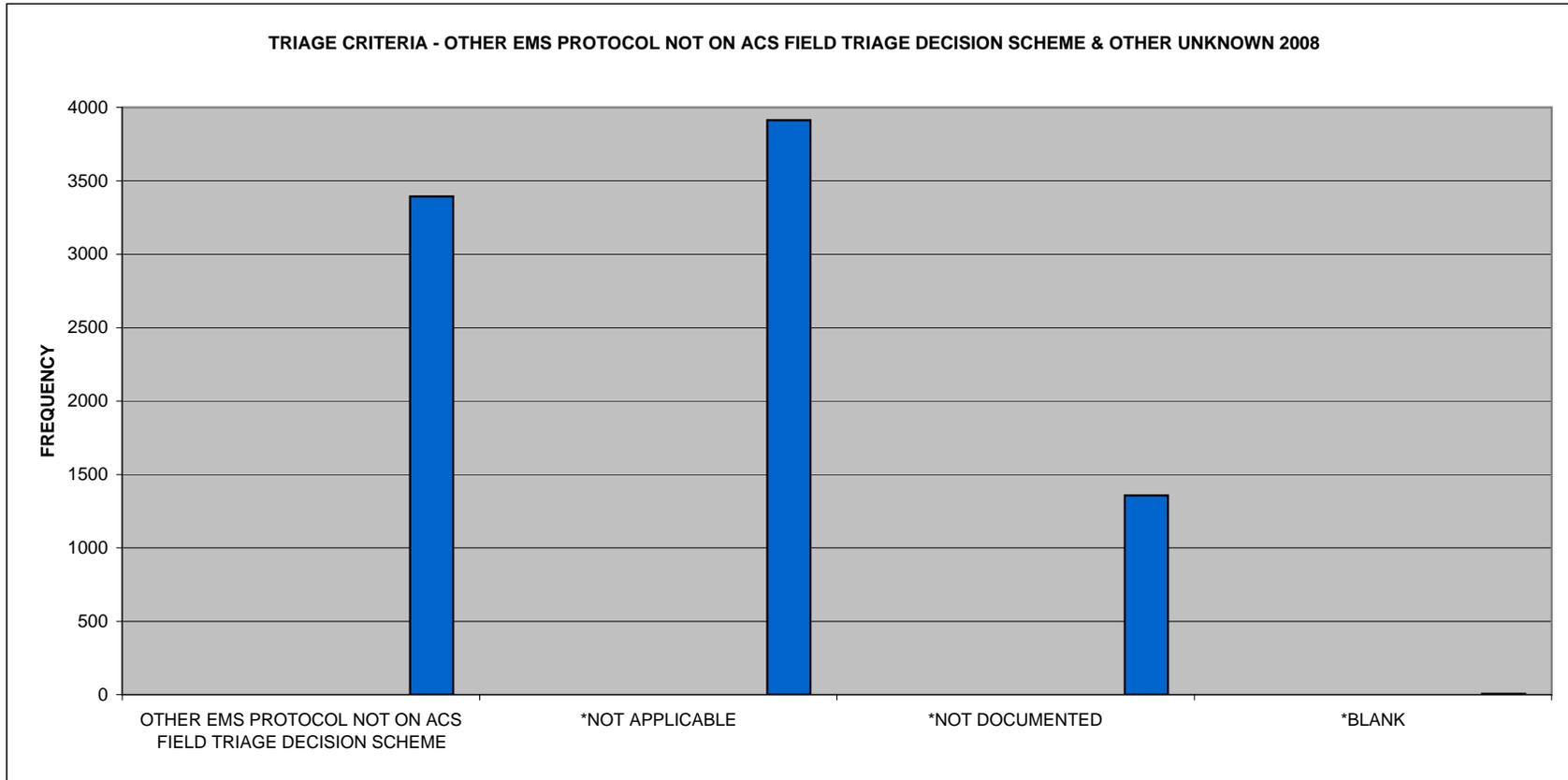
TRIAGE CRITERIA - SPECIAL PATIENT OF SYSTEM CONSIDERATIONS 2008



TRIAGE CRITERIA	FREQUENCY
AGE: OLDER ADULTS - >55 YEARS OLD	2249
AGE: CHILDREN	2231
ANTICOAGULATION AND BLEEDING DISORDERS	127
BURNS WITHOUT OTHER TRAUMA MECHANISM (TRIAGE TO BURN CENTER)	23
BURNS WITH TRAUMA MECHANISM (TRIAGE TO TRAUMA CENTER)	34
TIME SENSITIVE EXTREMITY INJURY	97
END-STAGE RENAL DISEASE REQUIRING DIALYSIS	32
PREGNANCY >20 WEEKS	311
EMS PROVIDER JUDGMENT	2797
<b>Total</b>	<b>7901</b>

**Note: Total number of Triage Criteria = 32638**  
**The Triage Criteria field allows for multiple entries of triage criteria for each patient.**

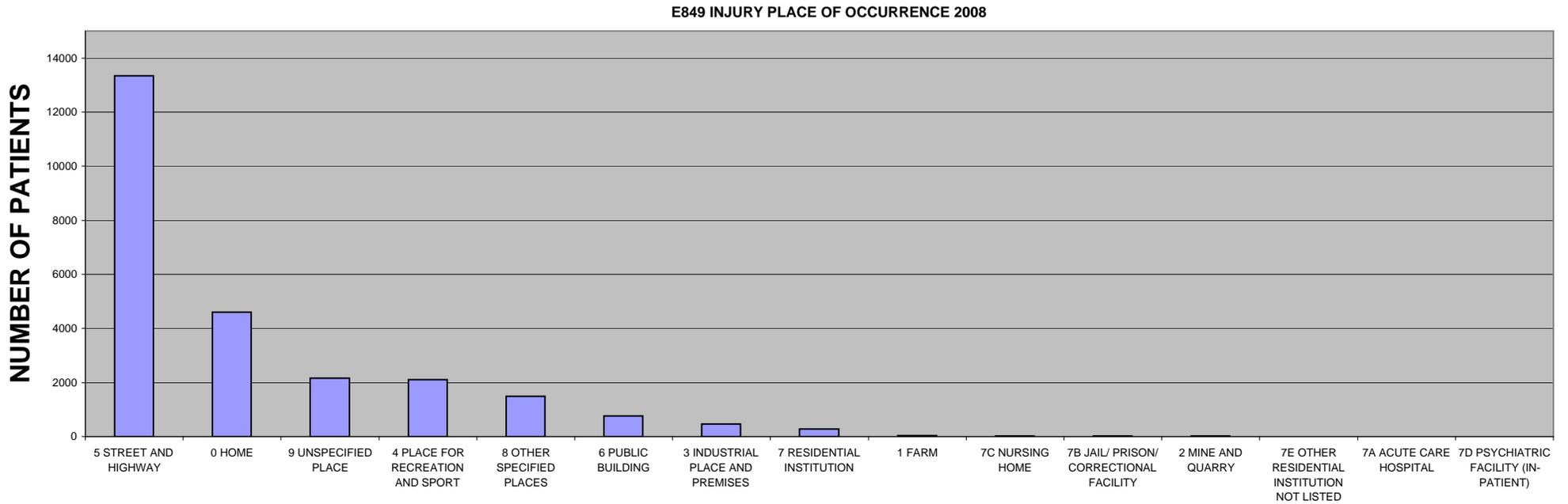
**TRIAGE CRITERIA - OTHER EMS PROTOCOL NOT ON ACS FIELD TRIAGE DECISION SCHEME & OTHER UNKNOWN 2008**



TRIAGE CRITERIA	FREQUENCY
OTHER EMS PROTOCOL NOT ON ACS FIELD TRIAGE DECISION SCHEME	3393
*NOT APPLICABLE	3912
*NOT DOCUMENTED	1358
*BLANK	6
<b>Total</b>	<b>8669</b>

**Note: Total number of Triage Criteria = 32638**  
 The Triage Criteria field allows for multiple entries of triage criteria for each patient.

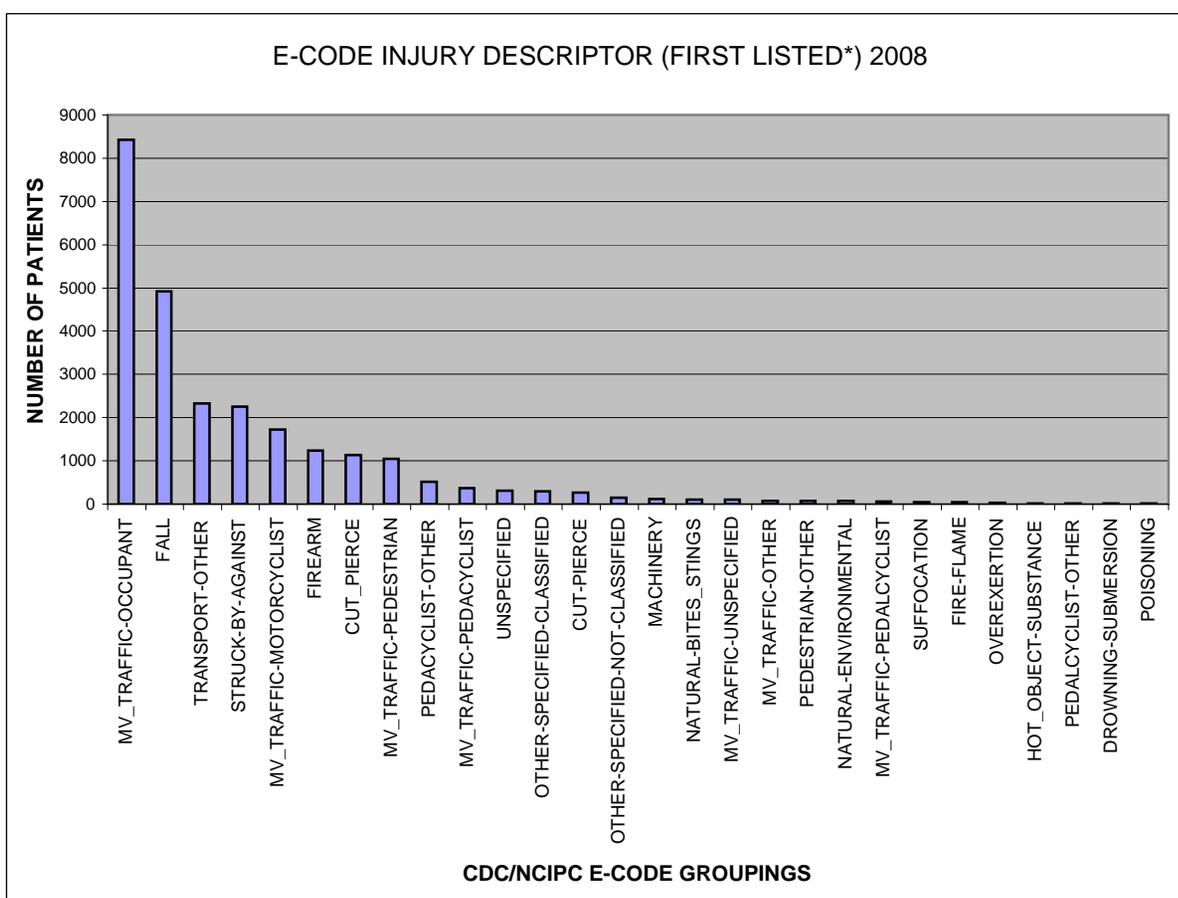
## INJURY PLACE OF OCCURRENCE 2008



Injury Location E-code (E849)	Frequency	Percentage
<b>5 STREET AND HIGHWAY</b>	13341	51.84
<b>0 HOME</b>	4594	17.85
<b>9 UNSPECIFIED PLACE</b>	2163	8.41
<b>4 PLACE FOR RECREATION AND SPORT</b>	2098	8.15
<b>8 OTHER SPECIFIED PLACES</b>	1497	5.82
<b>6 PUBLIC BUILDING</b>	772	3.00
<b>3 INDUSTRIAL PLACE AND PREMISES</b>	470	1.83
<b>7 RESIDENTIAL INSTITUTION</b>	273	1.06
<b>1 FARM</b>	46	0.18
<b>7C NURSING HOME</b>	25	0.10
<b>7B JAIL/ PRISON/ CORRECTIONAL FACILITY</b>	20	0.08
<b>2 MINE AND QUARRY</b>	12	0.05
<b>7E OTHER RESIDENTIAL INSTITUTION NOT LISTED</b>	3	0.01
<b>7A ACUTE CARE HOSPITAL</b>	3	0.01
<b>7D PSYCHIATRIC FACILITY (IN-PATIENT)</b>	1	0.00
<b>*NOT DOCUMENTED</b>	414	1.61
<b>*NOT APPLICABLE</b>	1	0.00
<b>Total</b>	<b>25733</b>	<b>100.00</b>

### ICD-9-CM PRIMARY E-CODE INJURY DESCRIPTOR 2008

CDC/NCIPC E-CODE MECHANISM GROUPINGS	NUMBER
MV_TRAFFIC-OCCUPANT	8419
FALL	4916
TRANSPORT-OTHER	2327
STRUCK-BY-AGAINST	2261
MV_TRAFFIC-MOTORCYCLIST	1717
FIREARM	1237
CUT_PIERCE	1135
MV_TRAFFIC-PEDESTRIAN	1050
PEDACYCLIST-OTHER	513
MV_TRAFFIC-PEDACYCLIST	375
UNSPECIFIED	316
OTHER-SPECIFIED-CLASSIFIED	292
CUT-PIERCE	261
OTHER-SPECIFIED-NOT-CLASSIFIED	145
MACHINERY	114
NATURAL-BITES_STINGS	105
MV_TRAFFIC-UNSPECIFIED	104
MV_TRAFFIC-OTHER	71
PEDESTRIAN-OTHER	69
NATURAL-ENVIRONMENTAL	68
MV_TRAFFIC-PEDALCYCLIST	59
SUFFOCATION	45
FIRE-FLAME	40
OVEREXERTION	28
HOT_OBJECT-SUBSTANCE	20
PEDALCYCLIST-OTHER	19
DROWNING-SUBMERSION	19
POISONING	8
<b>Total</b>	<b>25733</b>



Categories were adapted from the CDC/National Center for Injury Prevention and Control's *Recommended framework of E-code groupings for presenting injury mortality and morbidity data (February 16, 2005)*, <http://www.cdc.gov/ncipc/whatsnew/matrix2.htm>. Categories labeled as MV\_TRAFFIC refer to traffic-related motor vehicle events occurring on a street or highway. Non-traffic motor vehicle events were included in the TRANSPORT-OTHER category. The category MV\_TRAFFIC-OTHER is not on the CDC matrix (due to small numbers) but was created for ASTR reporting so that E-codes would sum to the total record count. MV\_TRAFFIC-OTHER in this report includes occupant of streetcar, rider of animal and other specified person.

\*NOTE: This report is based on the first E-code entered. ASTR 2008 data required only the primary E-code, but some facilities collected multiple E-codes. Registrars were instructed to enter the primary external cause of injury first.

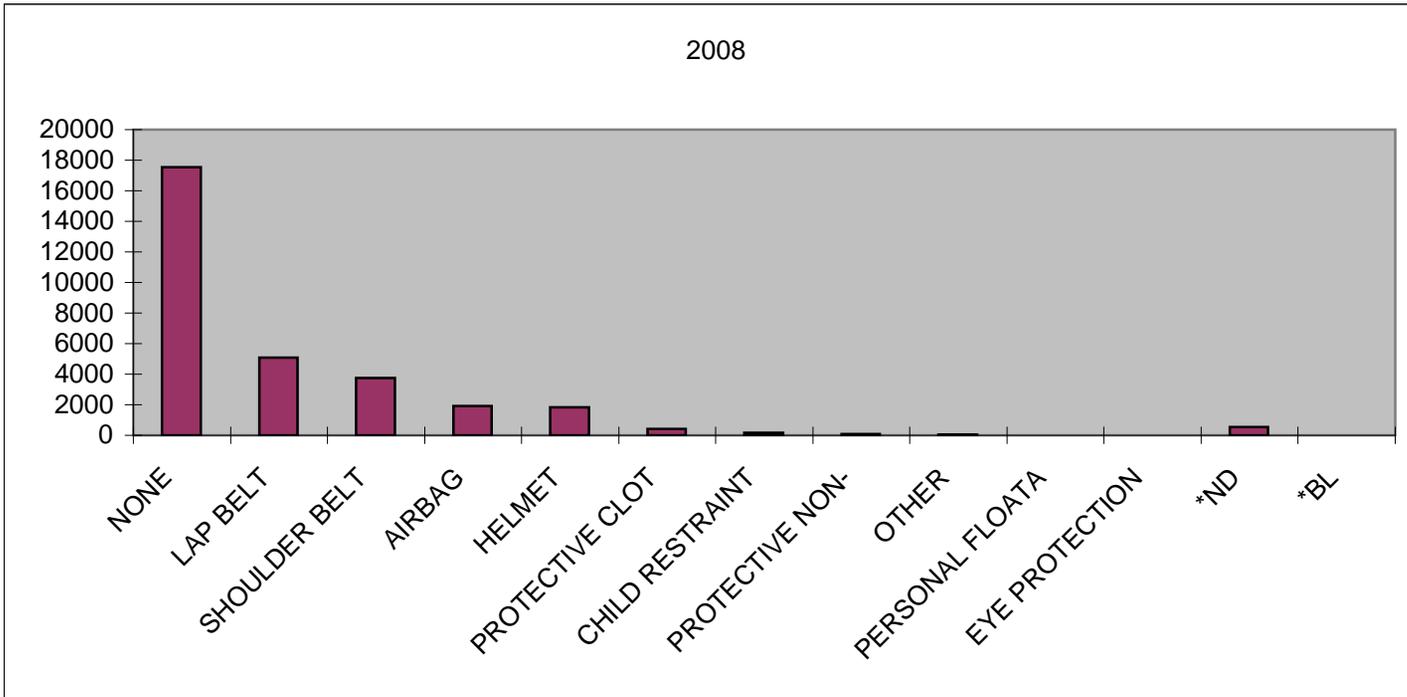
\*\*NOT ON CDC LIST refers to E-codes that are BLANK, \*ND, \*NA or invalid entry.

ICD9-CM INJURY DIAGNOSIS 2008 TOTAL COUNT

Injury Diagnosis - ICD9 Code	Frequency
910-919 SUPERFICIAL INJURY	12632
805-809 FRACTURE OF NECK AND TRUNK	9807
920-924 CONTUSION WITH INTACT SKIN SURFACE	9756
870-879 OPEN WOUND OF HEAD, NECK, AND TRUNK	9184
850-854 INTRACRANIAL INJURY, EXCLUDING THOSE WITH SKULL FRACTURES	7344
800-804 FRACTURE OF SKULL	6465
860-869 INTERNAL INJURY OF CHEST, ABDOMEN, AND PELVIS	6421
810-819 FRACTURE OF UPPER LIMB	5048
820-829 FRACTURE OF LOWER LIMB	4615
840-848 SPRAINS AND STRAINS OF JOINTS AND ADJACENT MUSCLES	3048
880-887 OPEN WOUND OF UPPER LIMB	2693
890-897 OPEN WOUND OF LOWER LIMB	1650
958-959 CERTAIN TRAUMATIC COMPLICATIONS AND UNSPECIFIED INJURIES	1089
830-839 DISLOCATION	994
900-904 INJURY TO BLOOD VESSELS	891
950-957 INJURY TO NERVES AND SPINAL CORD	507
940-949 BURNS	365
925-929 CRUSHING INJURY	99
990-995 OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES	59
996-999 COMPLICATIONS OF SURGICAL AND MEDICAL CARE, NOT ELSEWHERE CLASSIFIED	49
980-989 TOXIC EFFECTS OF SUBSTANCES CHIEFLY NON-MEDICINAL AS TO SOURCE	31
930-939 EFFECTS OF FOREIGN BODY ENTERING THROUGH ORIFICE	19
905-909 LATE EFFECTS OF INJURIES, POISONINGS, TOXIC EFFECTS, AND OTHER EXTERNAL CAUSES	11
960-979 POISONING BY DRUGS, MEDICINAL, AND BIOLOGICAL SUBSTANCES	1
*BLANK	7
*NOT DOCUMENTED	130
*NOT APPLICABLE	907
<b>Total</b>	<b>83822</b>

**\*\*Note:** The ICD-9-CM diagnosis field allows for entry of multiple diagnoses per patient. The total in this report is based on the occurrence of all ICD-9-CM final diagnoses entered and is not a total patient count. State pick list includes only ICD-9-CM N-codes from 800-999.

**PROTECTIVE DEVICES USED IN UNINTENTIONAL MOTOR VEHICLE TRAFFIC RELATED INJURIES -MOTOR VEHICLE OTHER THAN MOTORCYCLE- 2008**

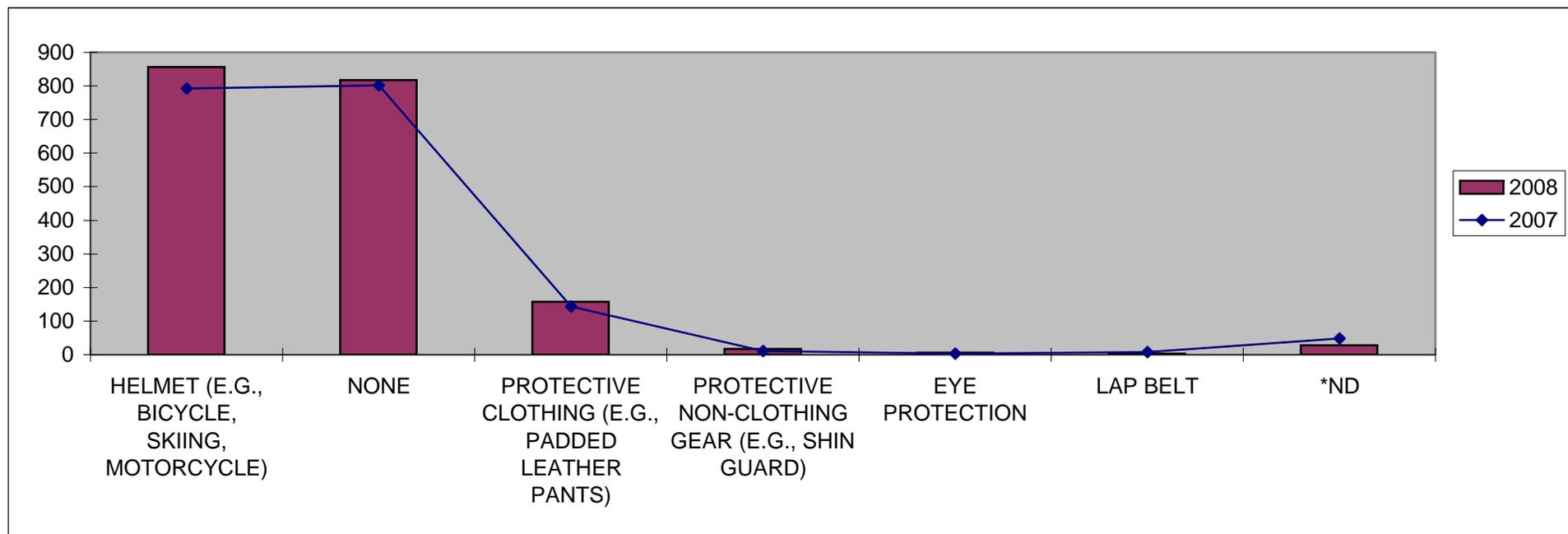


PROTECTIVE DEVICE	FREQUENCY
NONE	17552
LAP BELT	5083
SHOULDER BELT	3743
AIRBAG	1915
HELMET	1852
PROTECTIVE CLOT	412
CHILD RESTRAINT	177
PROTECTIVE NON-OTHER	98
PERSONAL FLOATA	45
EYE PROTECTION	18
*ND	560
*BL	4
<b>Total</b>	<b>31479</b>

**Note: Unintentional motor vehicle traffic related injuries -motor vehicle occupant other than motorcycle- are classified by E-codes E810-E819 (.0 & .1). Field allows for multiple entry of protective devices. The numbers in this report reflect motor vehicle crash information found in the ASTR database and do not account for all motor vehicle crashes statewide.**

\*Registrars were instructed to code as LAP BELT if the EMS run sheet indicated "Restrained" and did not specify the type of belt used.

**PROTECTIVE DEVICES USED IN UNINTENTIONAL MOTOR VEHICLE TRAFFIC RELATED INJURIES - MOTORCYCLE DRIVER OR PASSENGER- 2008**

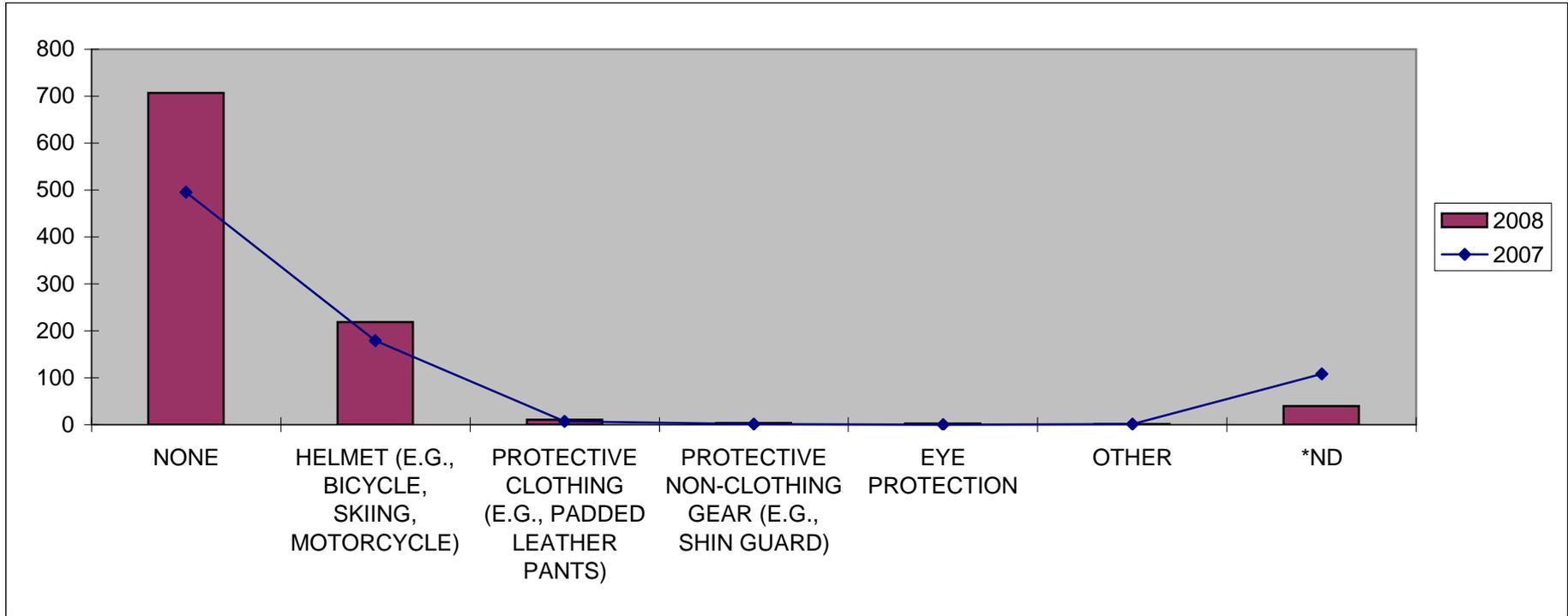


PROTECTIVE DEVICE	FREQUENCY
HELMET (E.G., BICYCLE, SKIING, MOTORCYCLE)	856
NONE	817
PROTECTIVE CLOTHING (E.G., PADDED LEATHER PANTS)	158
PROTECTIVE NON-CLOTHING GEAR (E.G., SHIN GUARD)	17
EYE PROTECTION	6
LAP BELT	3
*ND	28
<b>Total</b>	<b>1885</b>

Total 2007= 1055

**Note: Unintentional motor vehicle traffic related injuries -motorcycle driver or motorcycle passenger- are classified by E-codes E810-E819 (.2 & .3). Field allows for multiple entry of protective devices. The numbers in this report reflect motorcycle crash information found in the ASTR database and do not account for all motorcycle crashes statewide.**

**PROTECTIVE DEVICES USED IN PEDAL CYCLIST INJURIES 2008**



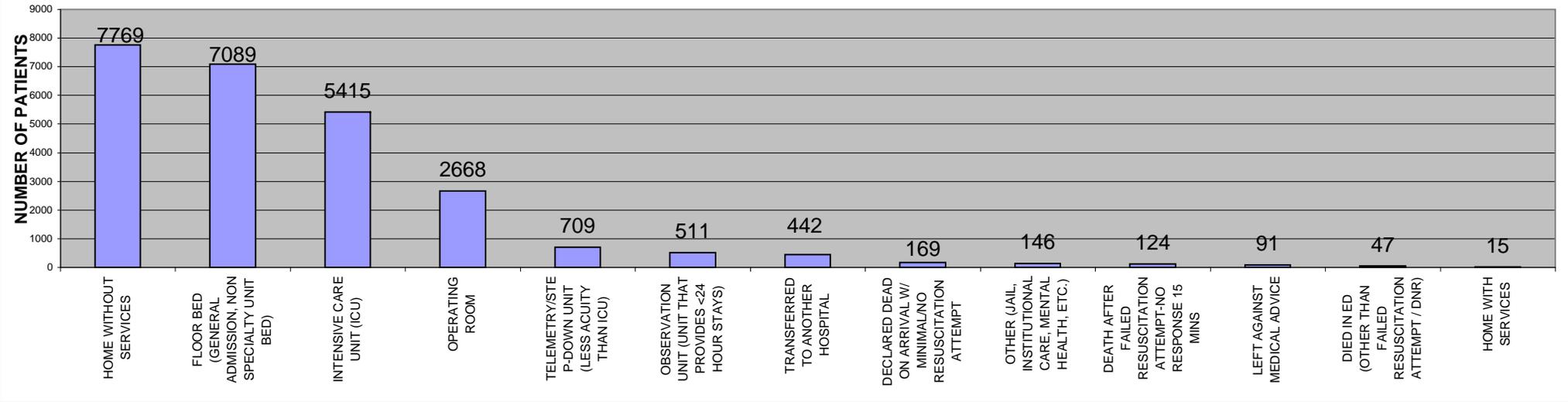
PROTECTIVE DEVICE	FREQUENCY
NONE	707
HELMET (E.G., BICYCLE, SKIING, MOTORCYCLE)	219
PROTECTIVE CLOTHING (E.G., PADDED LEATHER PANTS)	11
PROTECTIVE NON-CLOTHING GEAR (E.G., SHIN GUARD)	4
EYE PROTECTION	2
OTHER	1
*ND	40
<b>Total</b>	<b>984</b>

Total 2007 = 841

**Note: Pedal cyclist injuries are classified by CDC E-code groupings including: E810-E819(.6), E800-807(.3), E820-E825(.6), E826(.1, .9), E827-E829(.1). This report include traffic-related and non-traffic related pedal cycle / bicycle accidents. Field allows for multiple entry of protective devices. The numbers in this report reflect pedal cycle/bicycle information found in the ASTR database and do not account for all pedal cyclist injuries statewide.**

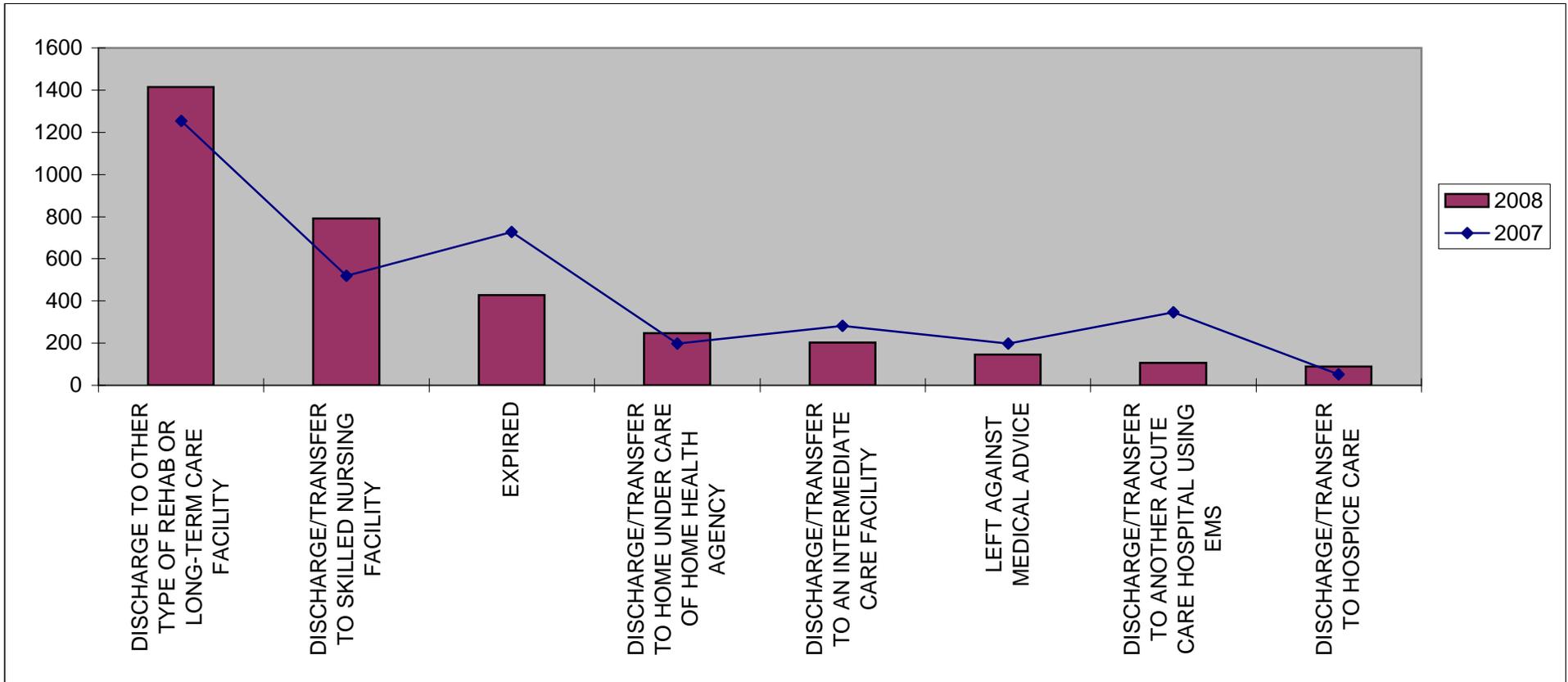
**EMERGENCY DEPARTMENT DISPOSITION 2008**

**ED DISPOSITION 2008**



ED DISPOSITION	NUMBER	PERCENT
HOME WITHOUT SERVICES	7769	30.19
FLOOR BED (GENERAL ADMISSION, NON SPECIALTY UNIT BED)	7089	27.55
INTENSIVE CARE UNIT (ICU)	5415	21.04
OPERATING ROOM	2668	10.37
TELEMETRY/STEP-DOWN UNIT (LESS ACUITY THAN ICU)	709	2.76
OBSERVATION UNIT (UNIT THAT PROVIDES <24 HOUR STAYS)	511	1.99
TRANSFERRED TO ANOTHER HOSPITAL	442	1.72
DECLARED DEAD ON ARRIVAL W/ MINIMAL/NO RESUSCITATION ATTEMPT	169	0.66
OTHER (JAIL, INSTITUTIONAL CARE, MENTAL HEALTH, ETC.)	146	0.57
DEATH AFTER FAILED RESUSCITATION ATTEMPT-NO RESPONSE 15 MINS	124	0.48
LEFT AGAINST MEDICAL ADVICE	91	0.35
DIED IN ED (OTHER THAN FAILED RESUSCITATION ATTEMPT / DNR)	47	0.18
HOME WITH SERVICES	15	0.06
*NOT DOCUMENTED	3	0.01
*NOT APPLICABLE	535	2.08
<b>Total</b>	<b>25733</b>	<b>100.00</b>

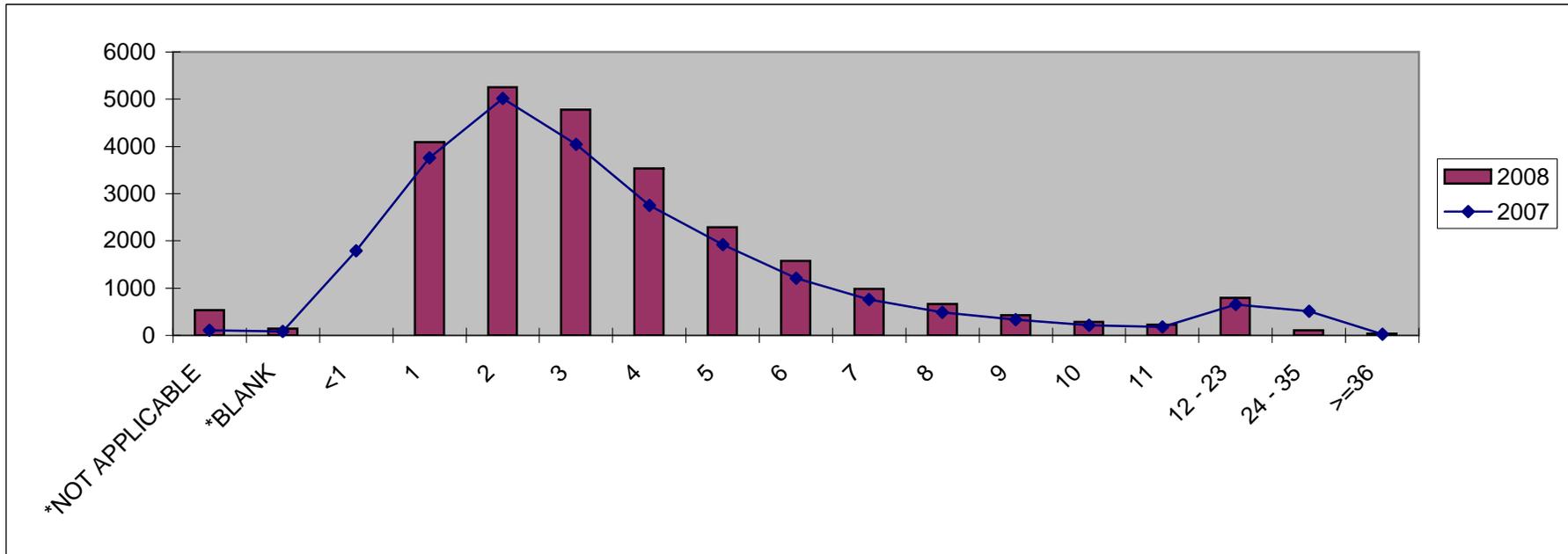
### HOSPITAL DISCHARGE DISPOSITION 2008



DISCHARGE DISPOSITION	NUMBER	PERCENT
<b>DISCHARGED HOME WITH NO HOME SERVICES</b>	13499	52.46
<b>DISCHARGE TO OTHER TYPE OF REHAB OR LONG-TERM CARE FACILITY</b>	1414	5.49
<b>DISCHARGE/TRANSFER TO SKILLED NURSING FACILITY</b>	792	3.08
<b>EXPIRED</b>	427	1.66
<b>DISCHARGE/TRANSFER TO HOME UNDER CARE OF HOME HEALTH AGENCY</b>	248	0.96
<b>DISCHARGE/TRANSFER TO AN INTERMEDIATE CARE FACILITY</b>	204	0.79
<b>LEFT AGAINST MEDICAL ADVICE</b>	145	0.56
<b>DISCHARGE/TRANSFER TO ANOTHER ACUTE CARE HOSPITAL USING EMS</b>	106	0.41
<b>DISCHARGE/TRANSFER TO HOSPICE CARE</b>	89	0.35
<b>*NOT APPLICABLE</b>	8809	34.23
<b>Total</b>	<b>25733</b>	<b>100.00</b>

Total 2007 = 24022

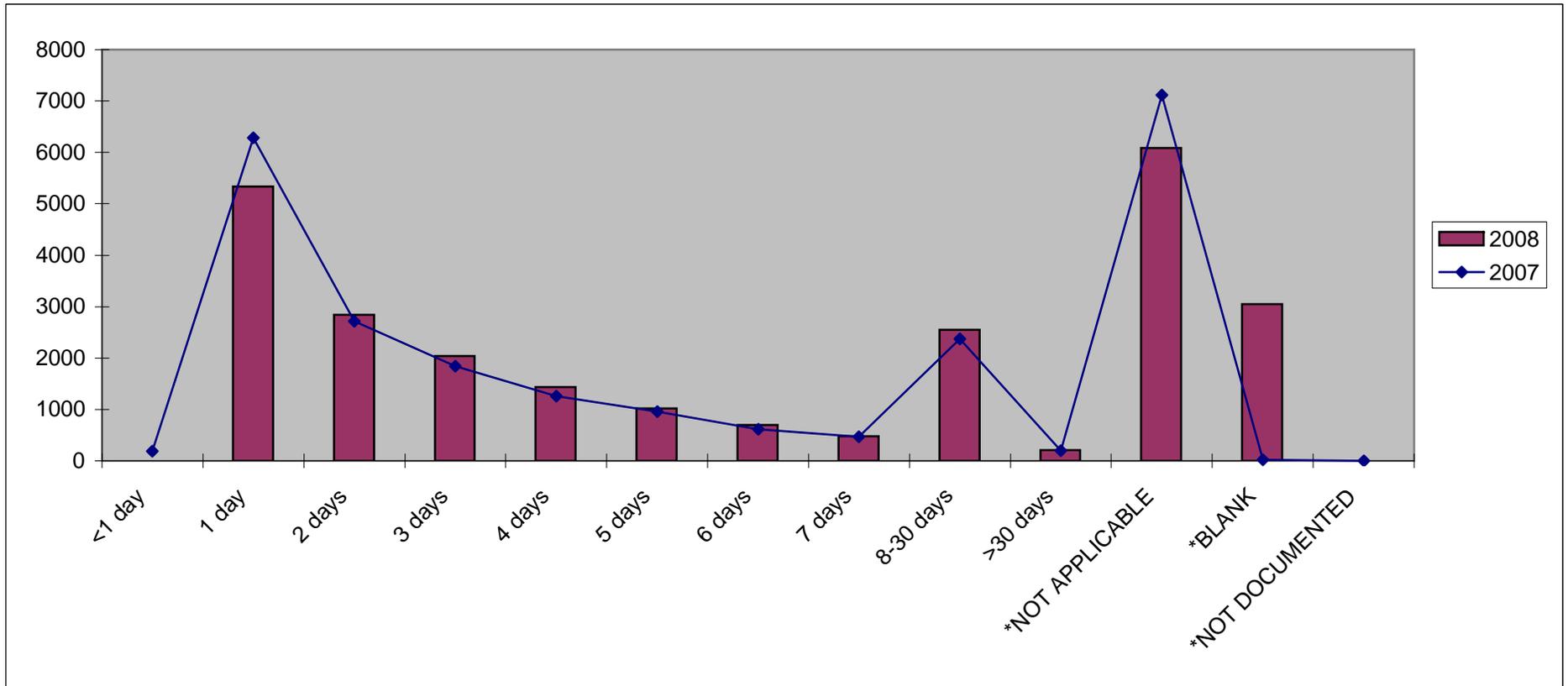
### LENGTH OF STAY (HOURS) IN EMERGENCY DEPARTMENT 2008



LENGTH OF STAY (HOURS) IN ED	NUMBER	PERCENT
*NOT APPLICABLE	534	2.08
*BLANK	139	0.54
<1	0	0.00
1	4094	15.91
2	5258	20.43
3	4775	18.56
4	3532	13.73
5	2291	8.90
6	1581	6.14
7	986	3.83
8	663	2.58
9	432	1.68
10	284	1.10
11	223	0.87
12 - 23	795	3.09
24 - 35	106	0.41
>=36	40	0.16
<b>Total</b>	<b>25733</b>	<b>100.00</b>

Total 2007 = 23835

### HOSPITAL LENGTH OF STAY (DAYS) 2008\*

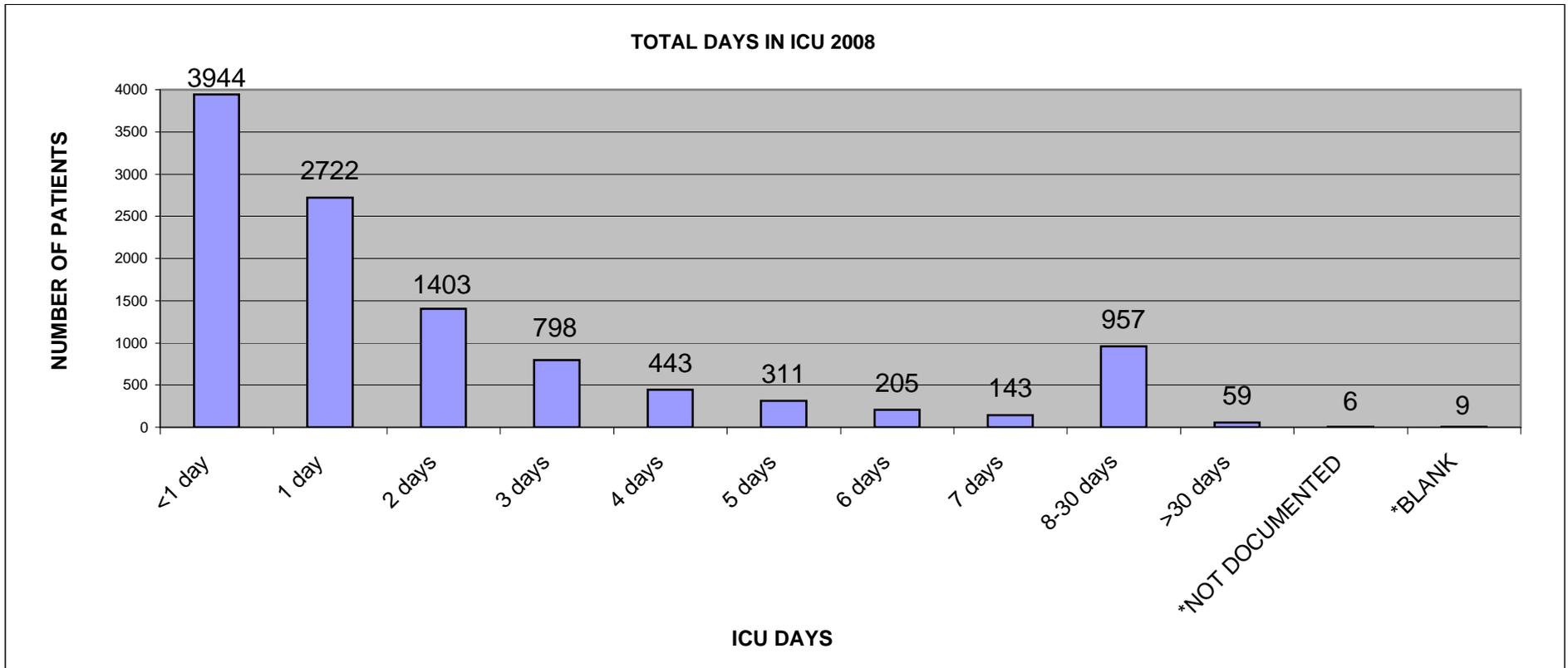


HOSPITAL LENGTH OF STAY (DAYS) *	NUMBER	PERCENT
<1 day	0	0.00
1 day	5338	20.74
2 days	2841	11.04
3 days	2035	7.91
4 days	1432	5.56
5 days	1022	3.97
6 days	692	2.69
7 days	474	1.84
8-30 days	2549	9.91
>30 days	207	0.80
*NOT APPLICABLE	6088	23.66
*BLANK	3053	11.86
*NOT DOCUMENTED	2	0.01
<b>Total</b>	<b>25733</b>	<b>100.00</b>

\*Note: Hospital Length of Stay is calculated from Admit Date to Hospital Discharge Date. The time of admission and discharge are not collected, so report is based on approximation of days.

Total 2007 = 24022

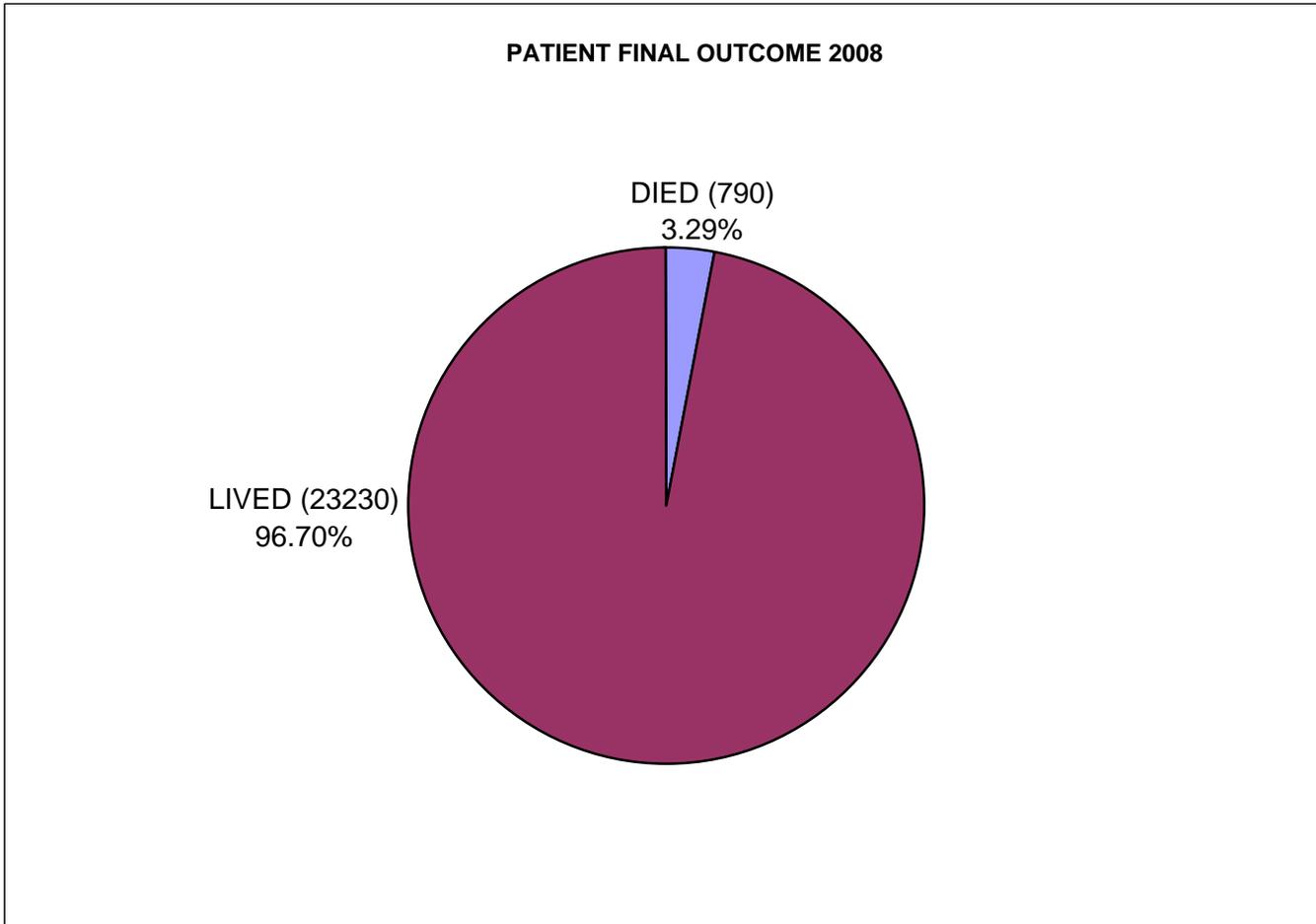
### TOTAL DAYS IN ICU 2008



TOTAL DAYS IN ICU	NUMBER	PERCENT
<1 day	3944	15.33
1 day	2722	10.58
2 days	1403	5.45
3 days	798	3.10
4 days	443	1.72
5 days	311	1.21
6 days	205	0.80
7 days	143	0.56
8-30 days	957	3.72
>30 days	59	0.23
*NOT APPLICABLE	14733	57.25
*NOT DOCUMENTED	6	0.02
*BLANK	9	0.03
<b>Total</b>	<b>25733</b>	<b>100.00</b>

\*Numbers based on ASTR Total ICU Days field as reported by hospitals. The ASTR database does not tracking a patient's ICU exit and re-entry so this is reported as an approximate total days spent in ICU.

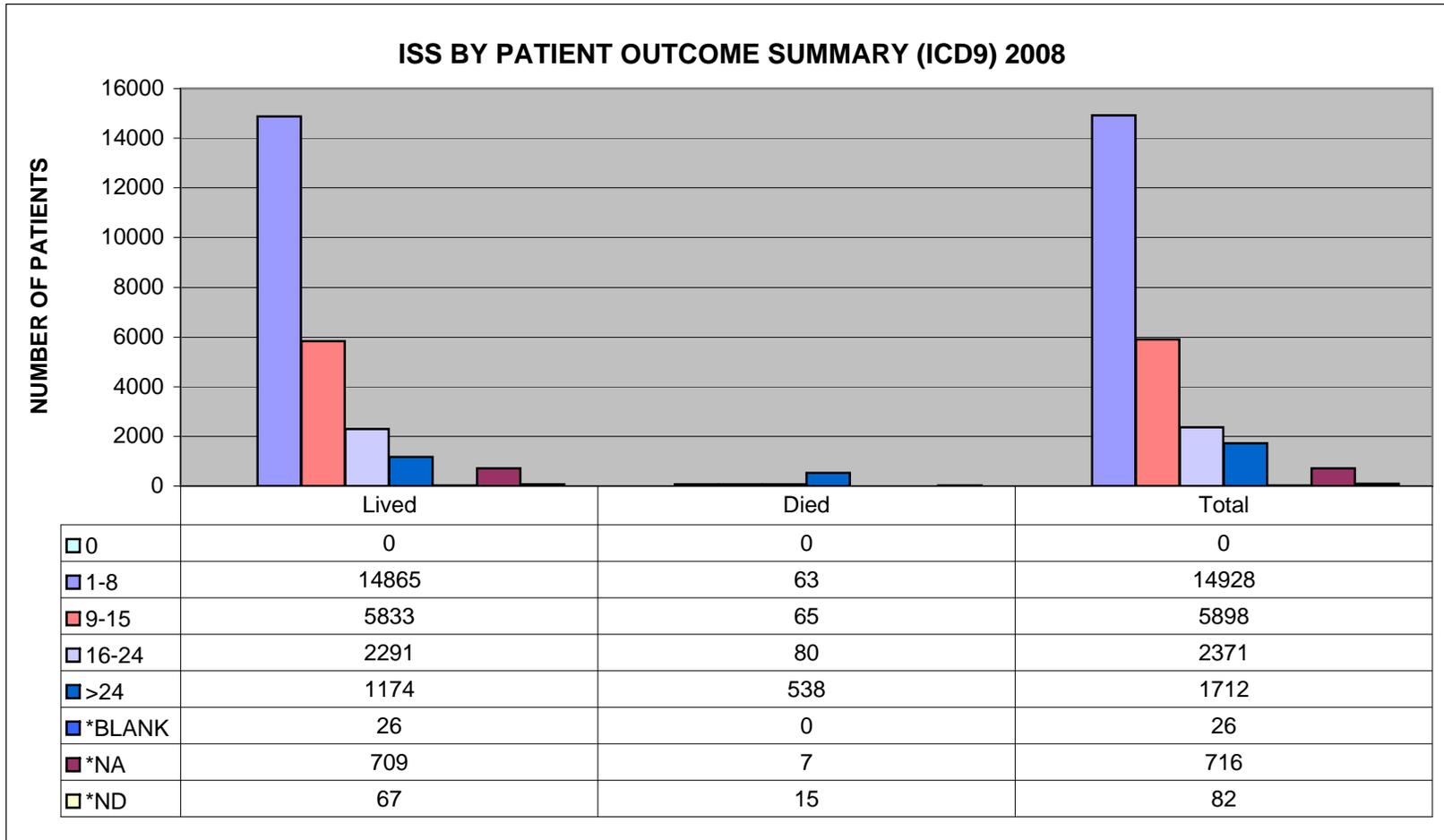
**PATIENT FINAL OUTCOME 2008**



<b>OUTCOME</b>	<b>NUMBER</b>	<b>PERCENT</b>
<b>DIED</b>	768	2.98
<b>LIVED</b>	24965	97.02
<b>Total</b>	<b>25733</b>	<b>100.00</b>

\* Inclusion Criteria note: Total trauma deaths in ASTR do not include deaths at the pre-hospital scene, deaths of patients treated only at non-reporting facilities, and deaths after discharge from the final reporting hospital.

**INJURY SEVERITY SCORE (ISS) BY PATIENT OUTCOME SUMMARY USING ICD9 CODES 2008**

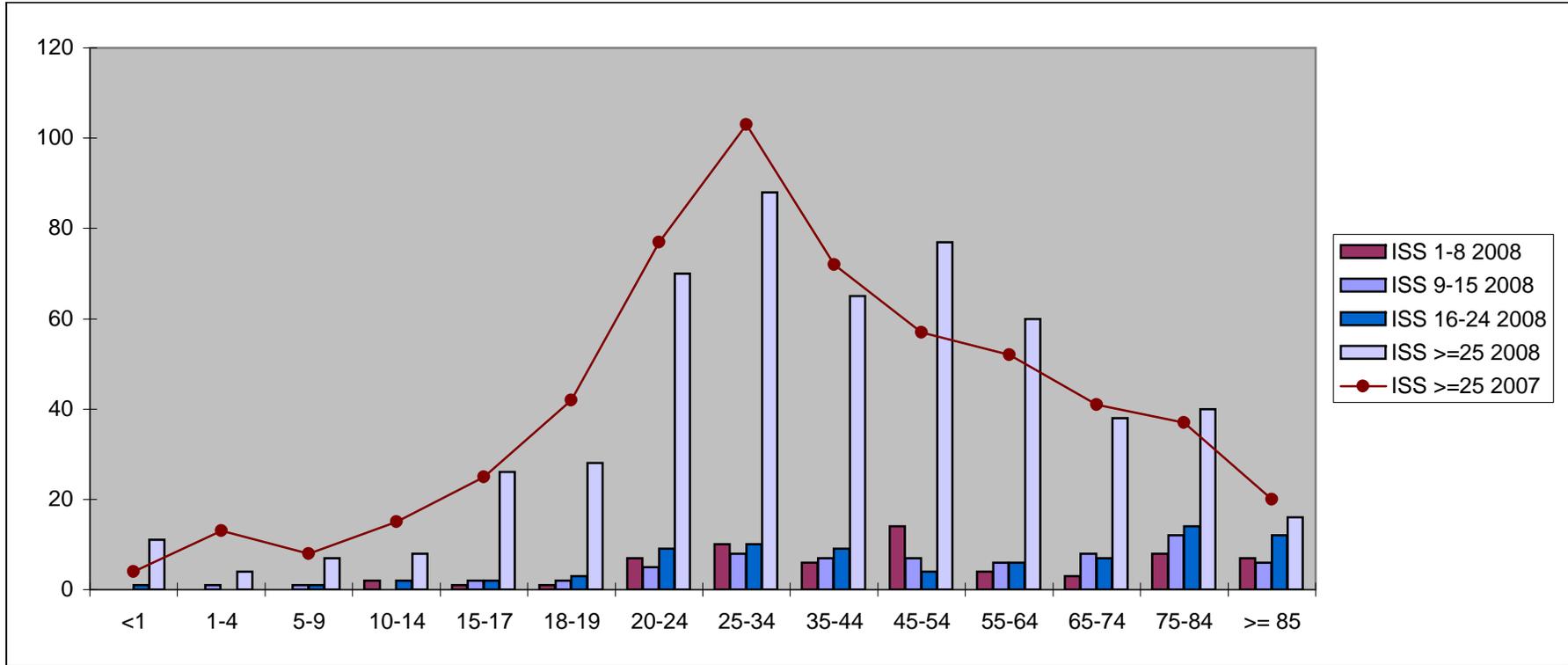


ISS	Lived	Died	Total
0	0	0	0
1-8	14865	63	14928
9-15	5833	65	5898
16-24	2291	80	2371
>24	1174	538	1712
*BLANK	26	0	26
*NA	709	7	716
*ND	67	15	82
<b>Total</b>	<b>24965</b>	<b>768</b>	<b>25733</b>

This report contains data from Level I Trauma Centers, Level IV Trauma Centers and non-designated facilities. Non-Level I hospitals are not required to collect the Abbreviated Injury Scale (AIS) codes typically used to calculate the ISS.

For this report, ISS scores from Level I facilities were calculated from AIS-98 codes and ISS scores from non-Level I facilities were calculated based on ICD-9-CM codes.

DEATHS BY INJURY SEVERITY SCORE ICD9 AND AGE 2008



AGE	ISS 1-8 2008	ISS 9-15 2008	ISS 16-24 2008	ISS >=25 2008	TOTAL 2008
<1	0	0	1	11	12
1-4	0	1	0	4	5
5-9	0	1	1	7	9
10-14	2	0	2	8	12
15-17	1	2	2	26	31
18-19	1	2	3	28	34
20-24	7	5	9	70	91
25-34	10	8	10	88	116
35-44	6	7	9	65	87
45-54	14	7	4	77	102
55-64	4	6	6	60	76
65-74	3	8	7	38	56
75-84	8	12	14	40	74
>= 85	7	6	12	16	41
<b>TOTAL</b>	<b>63</b>	<b>65</b>	<b>80</b>	<b>538</b>	<b>746*</b>

\*Patient count = 746 (deaths)

22 patients not included due to missing entries for ISS or Age

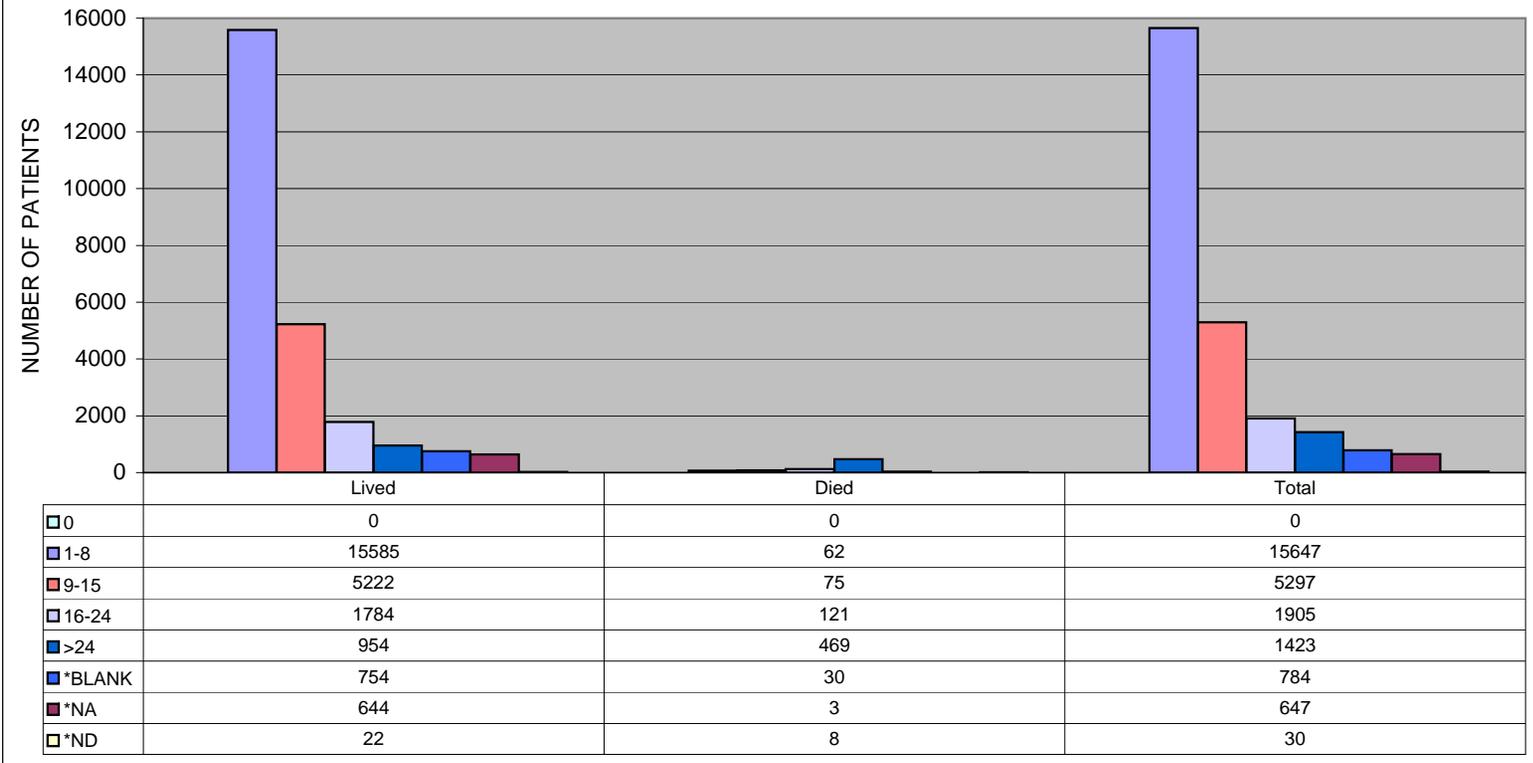
Age calculated based on the ASTR Trauma One field "Age (Years)"

This report contains data from Level I Trauma Centers, Level II Centers and non-designated facilities. Non-Level I hospital are not required to collect the Abbreviated Injury Scale (AIS) codes typically used to calculate the ISS

For this report, ISS scores from Level I facilities were calculated from AIS-98 codes and ISS scores from non-Level I facilities were calculated based on ICD-9-CM codes

**INJURY SEVERITY SCORE (ISS) BY PATIENT OUTCOME SUMMARY USING AIS2005 CODES 2008**

ISS BY PATIENT OUTCOME SUMMARY (AIS2005) 2008

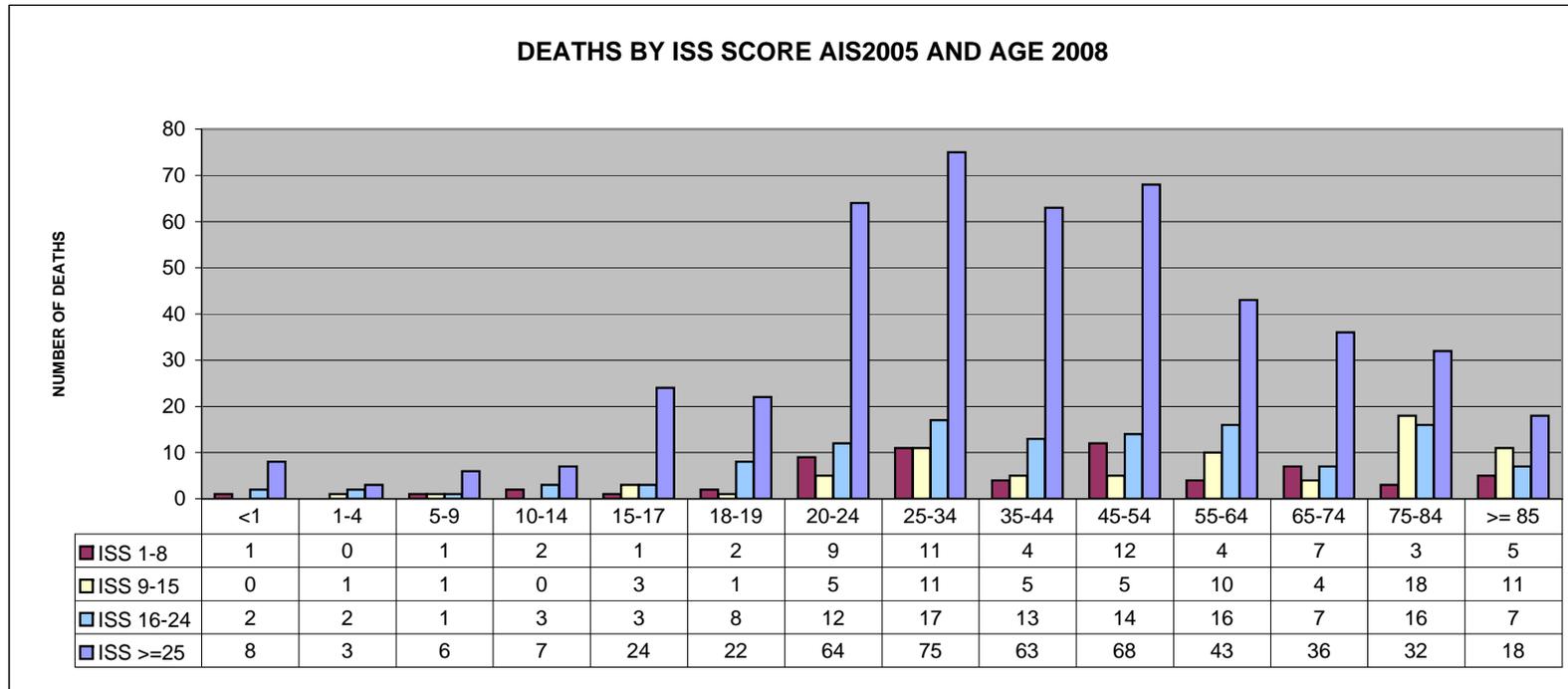


ISS	Lived	Died	Total
0	0	0	0
1-8	15585	62	15647
9-15	5222	75	5297
16-24	1784	121	1905
>24	954	469	1423
*BLANK	754	30	784
*NA	644	3	647
*ND	22	8	30
<b>Total</b>	<b>24965</b>	<b>768</b>	<b>25733</b>

This report contains data from Level I Trauma Centers, Level IV Centers and non-designated facilities. Non-Level I hospitals are not required to collect the Abbreviated Injury Scale (AIS) codes typically used to calculate the ISS.

For this report, ISS scores from Level I facilities were calculated from AIS-98 codes and ISS scores from non-Level I facilities were calculated based on ICD-9-CM codes.

DEATHS BY INJURY SEVERITY SCORE AIS2005 AND AGE 2008



AGE	ISS 1-8	ISS 9-15	ISS 16-24	ISS >=25	TOTAL
<1	1	0	2	8	11
1-4	0	1	2	3	6
5-9	1	1	1	6	9
10-14	2	0	3	7	12
15-17	1	3	3	24	31
18-19	2	1	8	22	33
20-24	9	5	12	64	90
25-34	11	11	17	75	114
35-44	4	5	13	63	85
45-54	12	5	14	68	99
55-64	4	10	16	43	73
65-74	7	4	7	36	54
75-84	3	18	16	32	69
>= 85	5	11	7	18	41
<b>TOTAL</b>	<b>62</b>	<b>75</b>	<b>121</b>	<b>469</b>	<b>727*</b>

\*Patient count = 727 (deaths).

41 patients not included due to missing entries for ISS or Age.

Age calculated based on the ASTR Trauma One field "Age (Years)".

This report contains data from Level I Trauma Centers, Level IV Centers and non-designated facilities. Non-Level I hospitals are not required to collect the Abbreviated Injury Scale (AIS) codes typically used to calculate the ISS.