

Japan Trauma Data Bank Report 2017 (2012-2016)

Japan Trauma Care and Research

**The Japanese Association for the Surgery of Trauma
(Trauma Registry Committee)**



**The Japanese Association for Acute Medicine
(Committee for Clinical Care Evaluation)**



Figure
1A

Names of All Hospitals Submitting Data to the JTDB. (N=264, Part 1)

Teine Keijinkai Hospital	Dokkyo Medical University Koshigaya Hospital	Nippon Medical School Musashikosugi Hospital
Hokkaido University Hospital	National Defense Medical College Hospital	Saiseikai Yokohama-city East Hospital
Hokuto Hospital	Fukaya Red Cross Hospital	St. Marianna University School of Medicine Hospital
Hokkaido Medical Center	Funabashi Municipal Medical Center	Shonan Kamakura General Hospital
Sapporo City General Hospital	Juntendo University Urayasu Hospital	Yokohama Municipal Citizens Hospital
Nikko Memorial Hospital	Asahi General Hospital	Odawara Municipal Hospital
Sapporo Medical University Hospital	Nippon Medical School Chiba Hokusoh Hospital	Yokosuka Kyosai Hospital
Asahikawa Red Cross Hospital	Chiba University Hospital	Hiratsuka City Hospital
Sapporo Tokushukai Hospital	Chiba Emergency Medical Center	Fujisawa City Hospital
Hirosaki University School of Medicine & Hospital	Matsudo City Hospital	Kanto Rosai Hospital
Aomori Prefectural Central Hospital	Kameda General Hospital	Yokohama Rosai Hospital
Hachinohe City Hospital	Kimitsu Chuo Hospital	Yokohama City University Medical Center
Iwate Medical University Hospital	Jikei University Kashiwa Hospital	Tokai University Hospital
Iwate Prefectural Kuji Hospital	Tokyo Women's Medical University Yachiyo Medical Center	Showa University Fujigaoka Hospital
Iwate Prefectural Central Hospital	Tokyobay UrayasuIchikawa Medical Center	Kitasato University Hospital
Osaki Citizen Hospital	Chiba Rosai Hospital	Yokosuka General Hospital Uwamachi
Tohoku University Hospital	Showa University Hospital	Yokohama City Minato Red Cross Hospital
Sendai City Hospital	Tokyo Medical Center	Yokohama Sakae Kyosai Hospital
Ishinomaki Red Cross Hospital	Department of Social Medicine, School of Medicine, Nihon University	Ebina General Hospital
Sendai Medical Center	National Disaster Medical Center	Shin-Yurigaoka General Hospital
South Miyagi Medical Center	Tokyo Metropolitan Hiroo Hospital	Yamanashi Prefectural Central Hospital
Akita Red Cross Hospital	Musashino Red Cross Hospital	Aizawa Hospital
Akita University Hospital	Nippon Medical School Tama Nagayama Hospital	Suwa Red Cross Hospital
Yamagata Prefectural Central Hospital	Tokyo Medical University Hospital	Iida Municipal Hospital
Fukushima Medical University Hospital	Tokyo Medical University Hachioji Medical Center	Ina Central Hospital
Ohta Nishinouchi Hospital	Keio University Hospital	Saku Central Hospital Advanced Care Center
Aizu Central Hospital	St. Luke's International Hospital	Shinshu University Hospital
Niigata City General Hospital	Teikyo University Hospital	Nagano Red Cross Hospital
Niigata University Medical & Dental Hospital	Toho University Omori Medical Center	Nagano Municipal Hospital
Niigata Prefectural Shibata Hospital	National Center for Global Health and Medicine	Gero City Kanayama Hospital
Ibaraki Seinan Medical Hospital	University of Tokyo Hospital	Chuno Kosei Hospital
Mito Medical Center	Showa General Hospital	Gifu University Hospital
University of Tsukuba Hospital	Tokyo Women's Medical University Medical Center East	Takayama Red Cross Hospital
Tsukuba Medical Center Hospital	Nippon Medical School Hospital	Ogaki Municipal Hospital
Ibaraki Prefectural Central Hospital	Kyorin University Hospital	Numazu City Hospital
Mito Saiseikai General Hospital	Surugadai Nihon University Hospital	Shizuoka Red Cross Hospital
Dokkyo Medical University Hospital	Tokyo Women's Medical University Hospital	Shizuoka Saiseikai General Hospital
Jichi Medical University Hospital	Ohme Municipal General Hospital	Juntendo University Shizuoka Hospital
Saiseikai Utunomiya Hospital	Nihon University Itabashi Hospital	Seirei Mikatahara General Hospital
Gunma University Hospital	Tokyo Medical and Dental University Hospital	Shizuoka General Hospital
Maebashi Red Cross Hospital	Tokyo Metropolitan Bokutoh Hospital	Shizuoka Tokushukai Hospital
Takasaki General Medical Center	Tokyo Saiseikai Central Hospital	Chutoen General Medical Center
Ota Memorial Hospital	National Center for Child Health and Development	Fujieda Municipal General Hospital
Saitama Red Cross Hospital	Japanese Red Cross Medical Center	
Saitama Medical University International Medical Center	Shirahigebash Hospital※	
Saitama Medical University Medical Center	Showa University Northern Yokohama Hospital	
Kuki General Hospital	Yokohama Medical Center	
Kawaguchi Municipal Medical Center		

The JTDB report 2017 was published using cases of only 61 hospitals which accepted trauma patients' registry in each ethical committee before Sep. 1st, 2017.

Figure
1B**Names of All Hospitals Submitting Data to the JTDB. (N=264, Part 2)**

Toyohashi Municipal Hospital	Osaka Police Hospital	Chikamori Hospital
Daiyukai General Hospital	Hyogo Prefectural Nishinomiya Hospital	Kochi Red Cross Hospital
Fujita Health University Hospital	Hyogo Prefectural Kakogawa Medical Center	Kurume University Hospital
Nagoya City University Hospital	Hyogo Prefectural Awaji Hospital	Iizuka Hospital
Handa City Hospital	Hospital of Hyogo College of Medicine	Ohtemachi Hospital
Aichi Medical University Hospital	Kobe City Medical Center General Hospital	Kitakyushu Municipal Yahata Hospital
Nagoya Ekisaikai Hospital	Kobe University Hospital	Kyushu University Hospital
Social Insurance Chukyo Hospital	Hyogo Emergency Medical Center	Kitakyushu General Hospital
Okazaki City Hospital	Toyooka Hospital	Kokura Memorial Hospital
Kasugai Municipal Hospital	Tajima Emergency & Critical Care Medical Center	Fukuoka Wajiro Hospital
Komaki City Hospital	Public Muraoka Hospital	Fukuoka Red Cross Hospital
Mie University Hospital	Kansai Rosai Hospital	Fukuoka Higashi Medical Center
Kouseiren Takaoka Hospital	Steel Memorial Hirohata Hospital	Saiseikai Fukuoka General Hospital
Tonami General Hospital	Himeji Emergency, Trauma and Critical Center	Fukuoka University Hospital
Toyama Prefectural Central Hospital	Nara Prefectural Nara Hospital	St. Maria's Hospital
Toyama University Hospital	Nara Medical University Hospital	Shinyukhashi Hospital
Kanazawa University Hospital	Wakayama Medical University Hospital	Saga University Hospital
Ishikawa Prefectural Central Hospital	Tottori University Hospital	Saga-ken Medical Center Koseikan
Fukui Prefectural Hospital	Shimane University Hospital	Ureshino Medical Center
University of Fukui Hospital	Tsuyama Chuo Hospital	Nagasaki University Hospital
Omihachiman Community Medical Center	Kawasaki Medical School Hospital	Nagasaki Medical Center
Saiseikai Shigaken Hospital	Kurashiki Central Hospital	Arao Municipal Hospital
Kyoto Daini Red Cross Hospital	Okayama University Hospital	Kumamoto Red Cross Hospital
Kyoto Medical Center	Hiroshima University Hospital	Kumamoto Medical Center
Rakuwakai Otowa Hospital	Kure Medical Center	Saiseikai Kumamoto Hospital
Fukuchiyama City Hospital	Fukuyama City Hospital	Oita University Hospital
Kyoto Daiichi Red Cross Hospital	Hiroshima Prefectural Hospital	Almeida Memorial Hospital
Uji-Tokushukai Medical Center	Chugoku Rosai Hospital	Miyazaki Prefectural Miyazaki Hospital
Kyoto Prefectural University of Medicine	Kanmon Medical Center	Miyazaki University Hospital
Osaka Prefectural Senshu Critical Medical Care Center	Tokuyama Central Hospital	Miyazaki Zenjinkai Hospital
Saiseikai Senri Hospital	Yamaguchi Grand Medical Center	Miyakonojo Regional Medical Center
Osaka General Medical Center	Yamaguchi University Hospital	Osumikanoya Hospital
Hanwa Memorial Hospital	Tokushima Prefectural Kaifu Hospital	Kagoshima City Hospital
Osaka Medical Center	Tokushima Prefectural Central Hospital	Yonemori Hospital
Nakakawachi Medical Center of Acute Medicine	Tokushima Prefectural Miyoshi Hospital	Okinawa Prefectural Chubu Hospital
Osaka Mishima Emergency Medical Center	Tokushima Red Cross Hospital	Okinawa Prefectural Hokubu Hospital
Kinki University Hospital	Taoka Hospital	Ryukyu University Hospital
Kishiwada Tokushukai Hospital	Kagawa University Hospital	Urasoe General Hospital
Osaka University Hospital	Kagawa Prefectural Central Hospital	Nakagami Hospital
Osaka City General Hospital	Ehime Prefectural Central Hospital	Tomishiro Central Hospital
Kansai Medical University Takii Hospital	Ehime University Hospital	Okinawa Prefectural Nanbu Medical Center / Nanbu Child
Osaka City University Hospital	Ehime Prefectural Niihama Hospital	Medical Center
Kansai Medical University Hirakata Hospital	Kochi Medical Center	
Sakai City Medical Center		

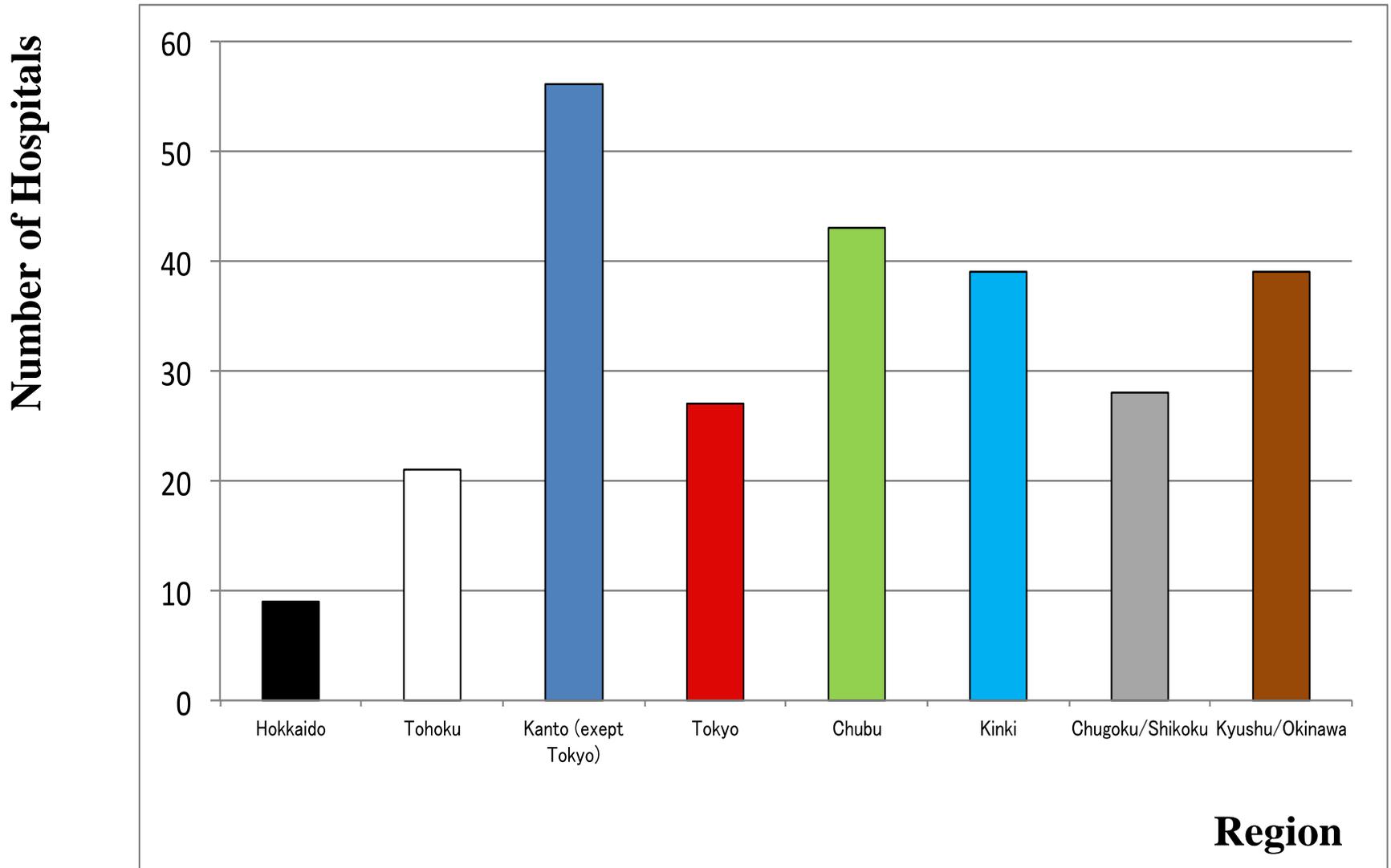
Figure
2**Number of Hospitals Submitting to the JTDB by Region.**

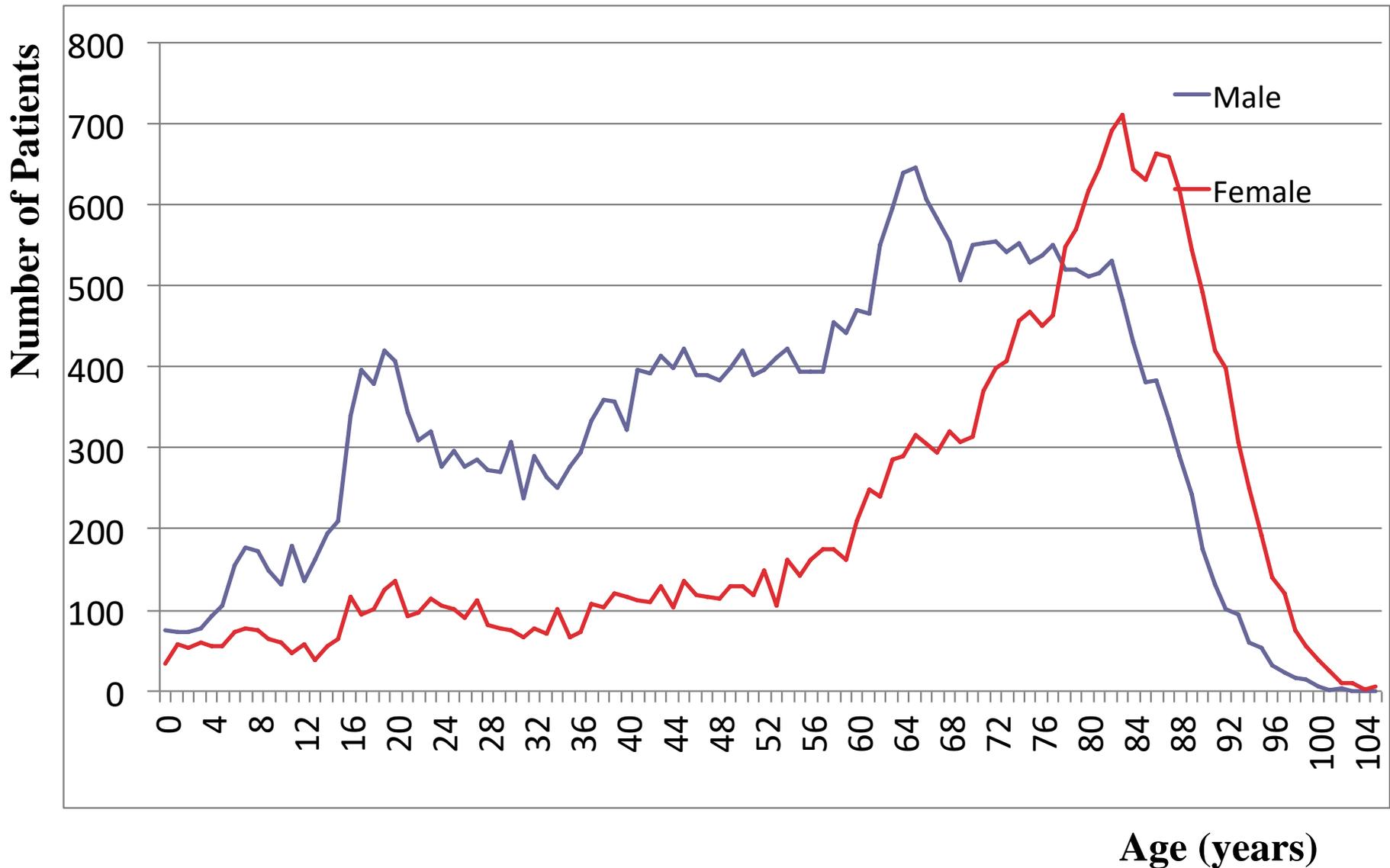
Figure
4**Patients by Age and Gender.**

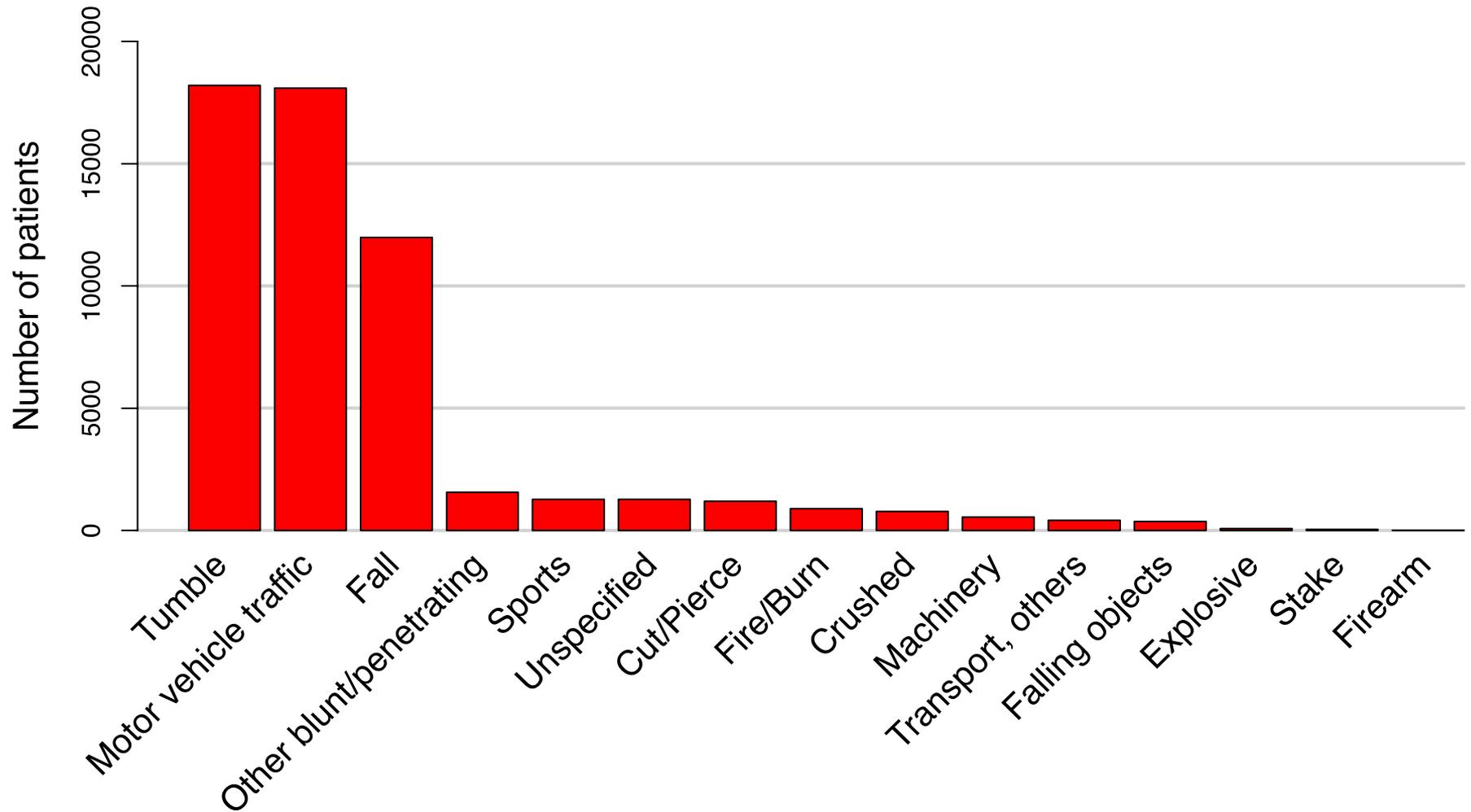
Figure
5**Patients by mechanism of injury**

Figure
5**Patients by mechanism of injury**

Mechanism of injury	Patients (n)	Patients by mechanism of injury (%)
Tumble	18199	32.1
Motor vehicle traffic	18089	31.9
Fall	11985	21.1
Unspecified	1561	2.8
Sports	1271	2.2
Others	1267	2.2
Cut/Pierce	1193	2.1
Fire/Burn	886	1.6
Crushed	773	1.4
Machinery	548	1.0
Transport, others	413	0.7
Falling objects	368	0.6
Explosive	75	0.1
Stake	41	0.1
Firearm	7	0.0

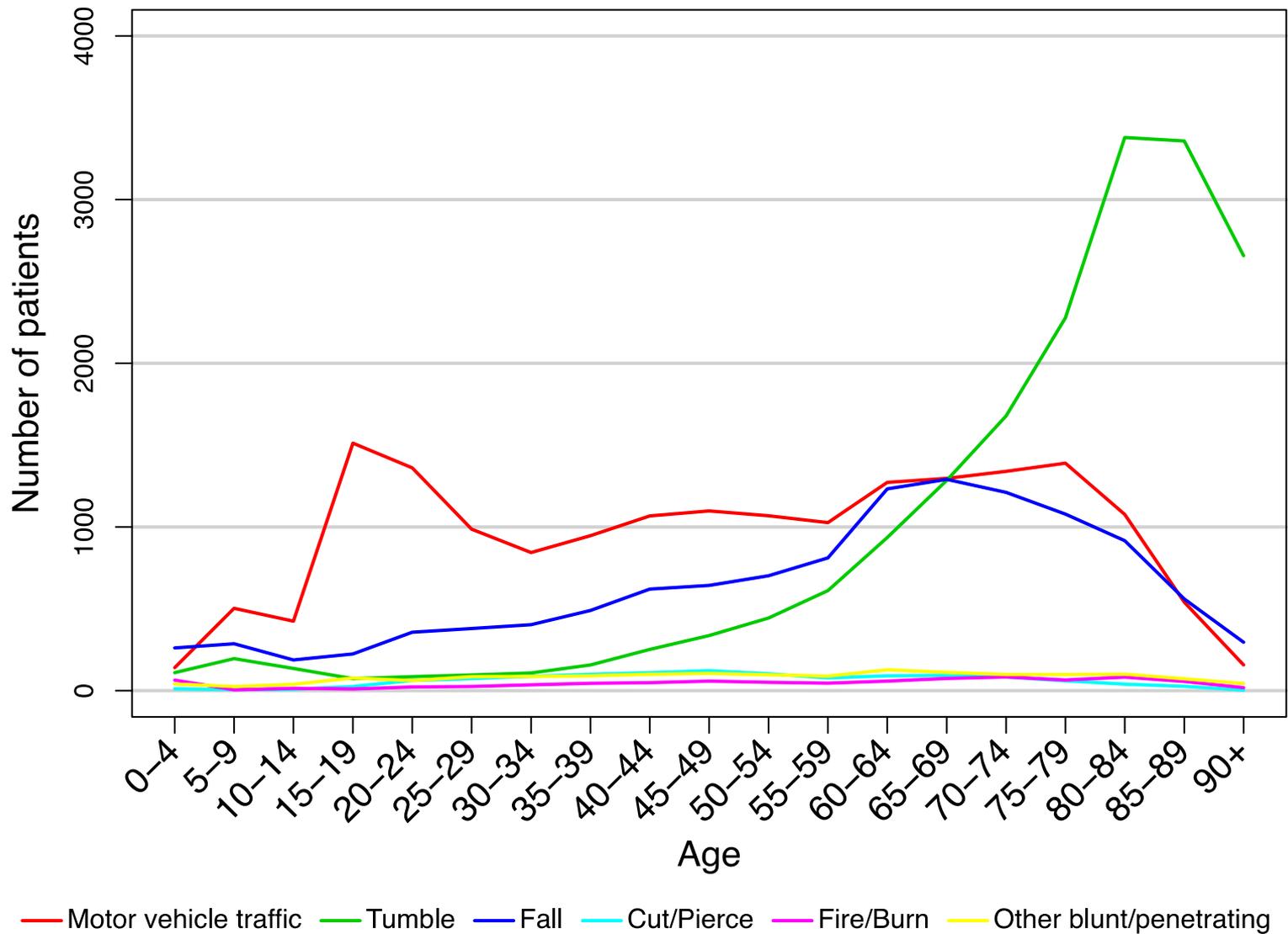
Figure
6**Mechanism of injury by age**

Figure
6**Mechanism of injury by age**

Range of age, yr	Motor vehicle traffic, n (%)	Tumble, n (%)	Fall, n (%)	Cut/Pierce, n (%)	Fire/Burn, n (%)	Others, n (%)
0-4	141 (0.8)	111 (0.6)	262 (2.2)	12 (1.0)	65 (7.3)	41 (2.6)
5-9	503 (2.8)	196 (1.1)	287 (2.4)	7 (0.6)	5 (0.6)	26 (1.7)
10-14	425 (2.3)	136 (0.7)	188 (1.6)	9 (0.8)	15 (1.7)	39 (2.5)
15-19	1513 (8.4)	74 (0.4)	225 (1.9)	26 (2.2)	11 (1.2)	78 (5.0)
20-24	1362 (7.5)	86 (0.5)	358 (3.0)	63 (5.3)	23 (2.6)	62 (4.0)
25-29	987 (5.5)	96 (0.5)	380 (3.2)	74 (6.2)	26 (2.9)	86 (5.5)
30-34	844 (4.7)	109 (0.6)	404 (3.4)	88 (7.4)	36 (4.1)	87 (5.6)
35-39	947 (5.2)	158 (0.9)	490 (4.1)	100 (8.4)	45 (5.1)	91 (5.8)
40-44	1068 (5.9)	252 (1.4)	621 (5.2)	111 (9.3)	49 (5.5)	100 (6.4)
45-49	1098 (6.1)	337 (1.9)	643 (5.4)	123 (10.3)	59 (6.7)	106 (6.8)
50-54	1069 (5.9)	444 (2.4)	702 (5.9)	103 (8.6)	51 (5.8)	97 (6.2)
55-59	1027 (5.7)	612 (3.4)	812 (6.8)	78 (6.5)	46 (5.2)	89 (5.7)
60-64	1273 (7.0)	936 (5.1)	1233 (10.3)	91 (7.6)	59 (6.7)	128 (8.2)
65-69	1297 (7.2)	1285 (7.1)	1291 (10.8)	93 (7.8)	75 (8.5)	113 (7.2)
70-74	1340 (7.4)	1679 (9.2)	1212 (10.1)	84 (7.0)	84 (9.5)	99 (6.3)
75-79	1390 (7.7)	2278 (12.5)	1079 (9.0)	61 (5.1)	66 (7.4)	99 (6.3)
80-84	1077 (6.0)	3380 (18.6)	917 (7.7)	40 (3.4)	83 (9.4)	101 (6.5)
85-89	541 (3.0)	3359 (18.5)	561 (4.7)	27 (2.3)	56 (6.3)	73 (4.7)
90+	158 (0.9)	2658 (14.6)	296 (2.5)	3 (0.3)	19 (2.1)	44 (2.8)
Unspecified	29 (0.2)	13 (0.1)	24 (0.2)	0 (0.0)	13 (1.5)	2 (0.1)
Total	18089 (100.0)	18199 (100.0)	11985 (100.0)	1193 (100.0)	886 (100.0)	1561 (100.0)

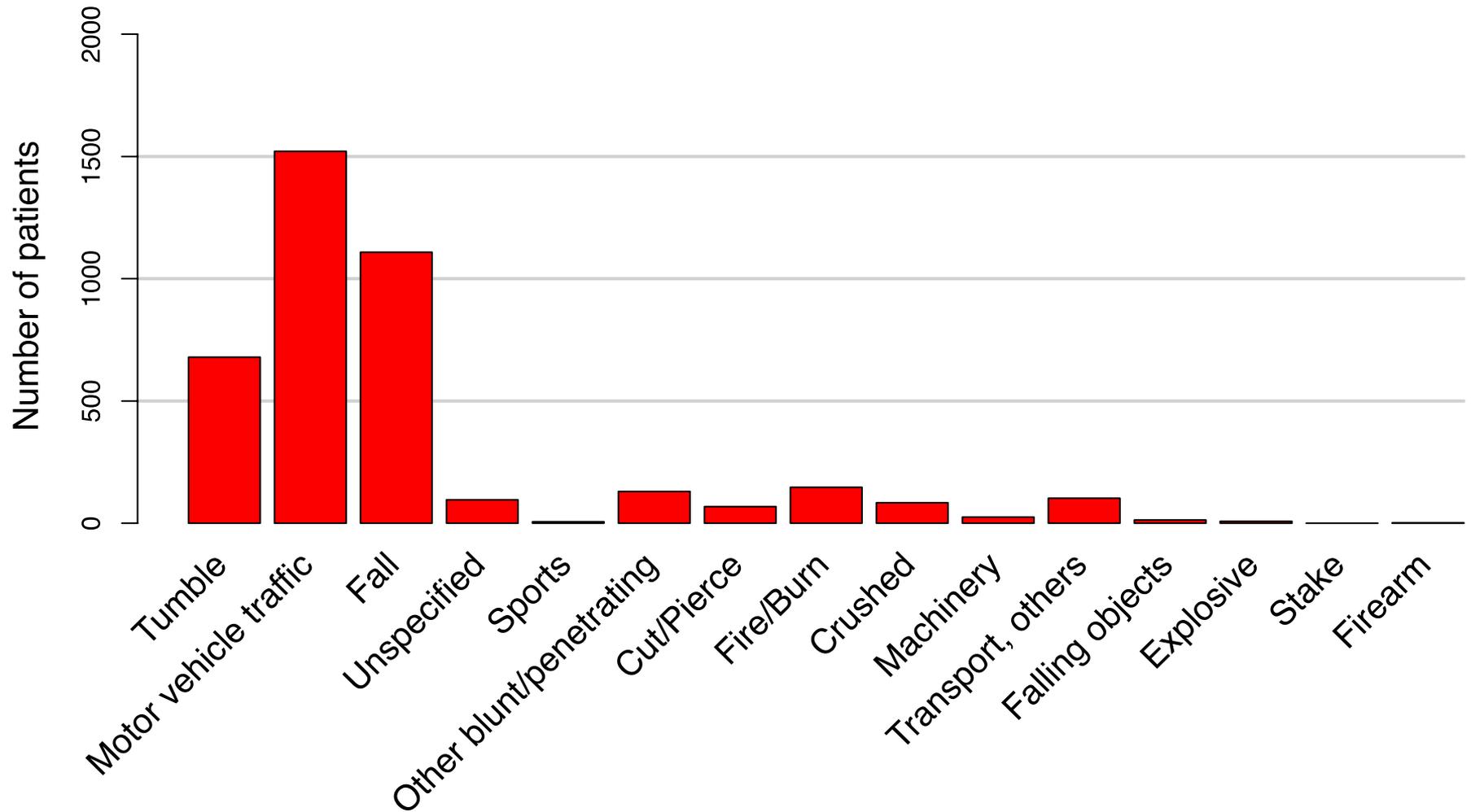
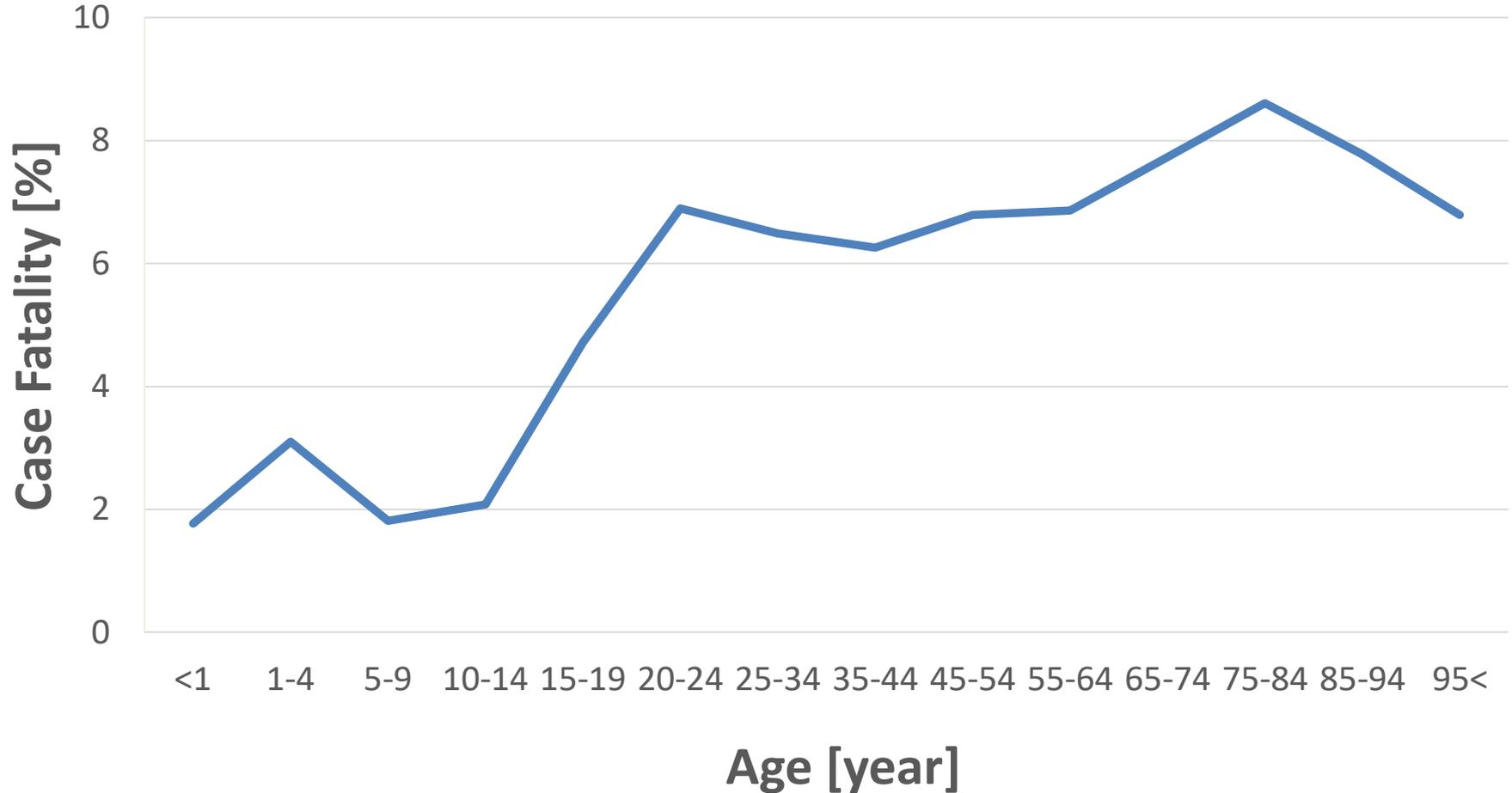
Figure
7**Death by mechanism of injury**

Figure
8**Case Fatality by age**

Case fatality at each age category (Case Fatality=number of deaths divided by the number of patients at each category x 100 by age)

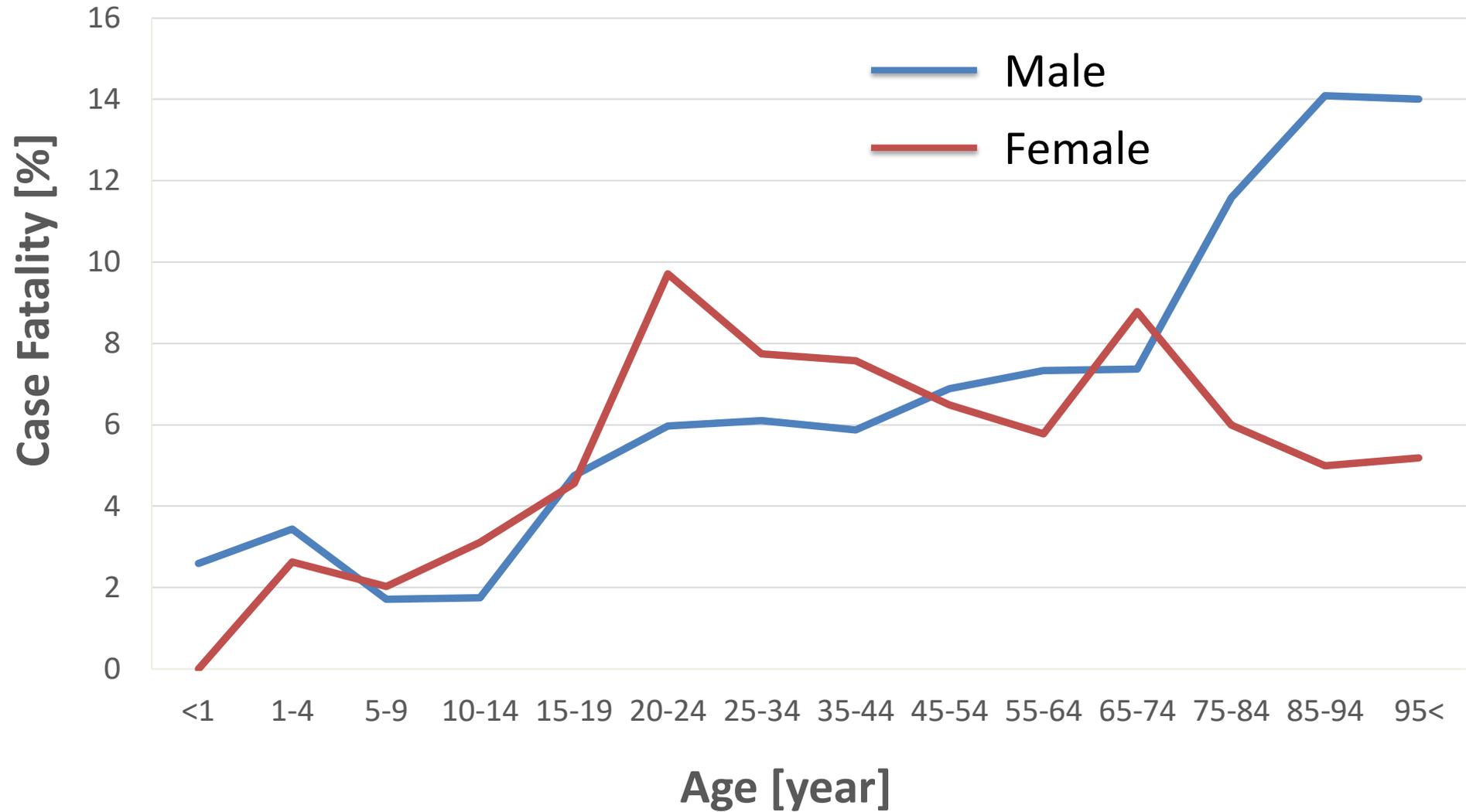
Figure
9**Case Fatality by age and gender**

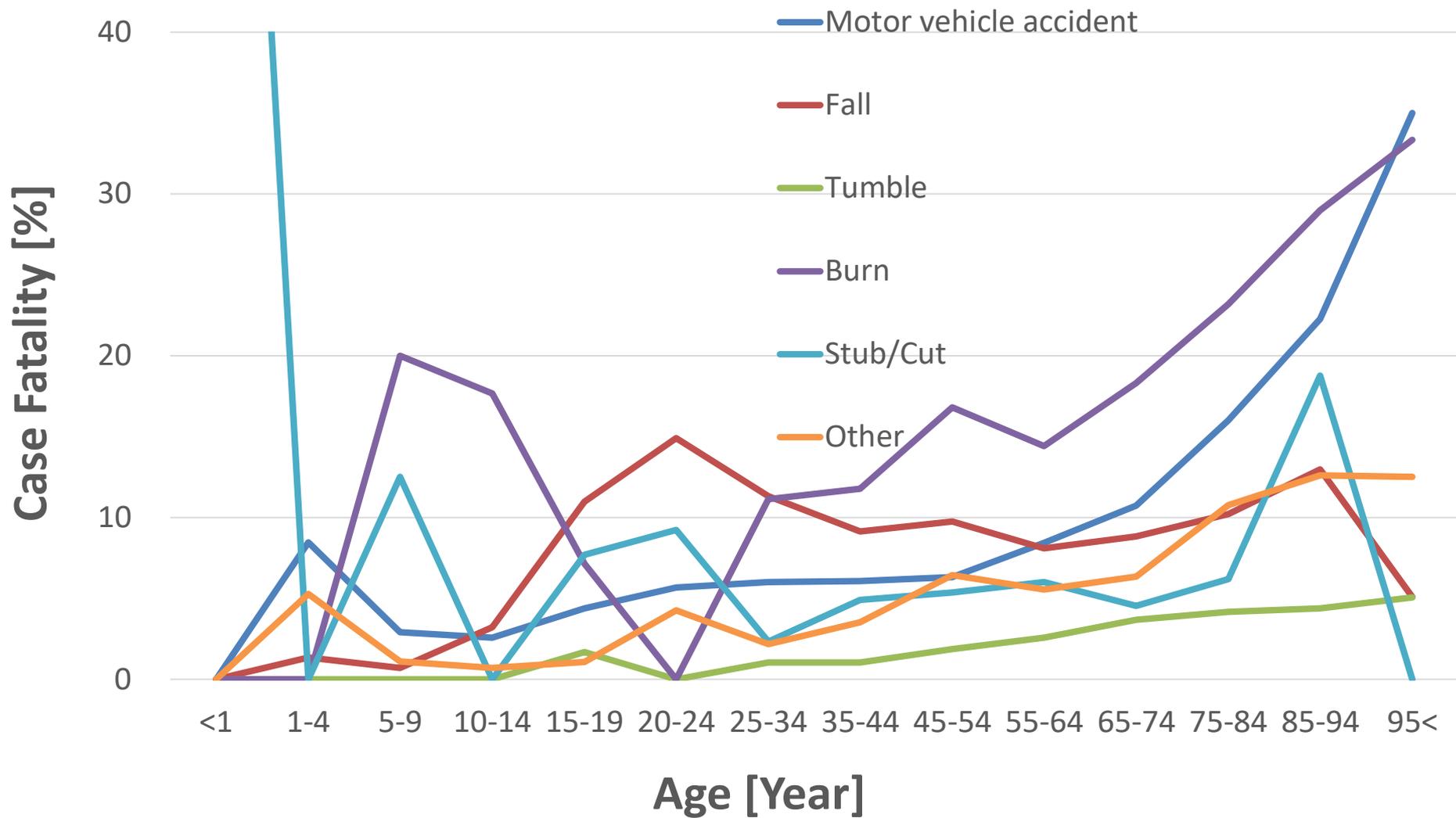
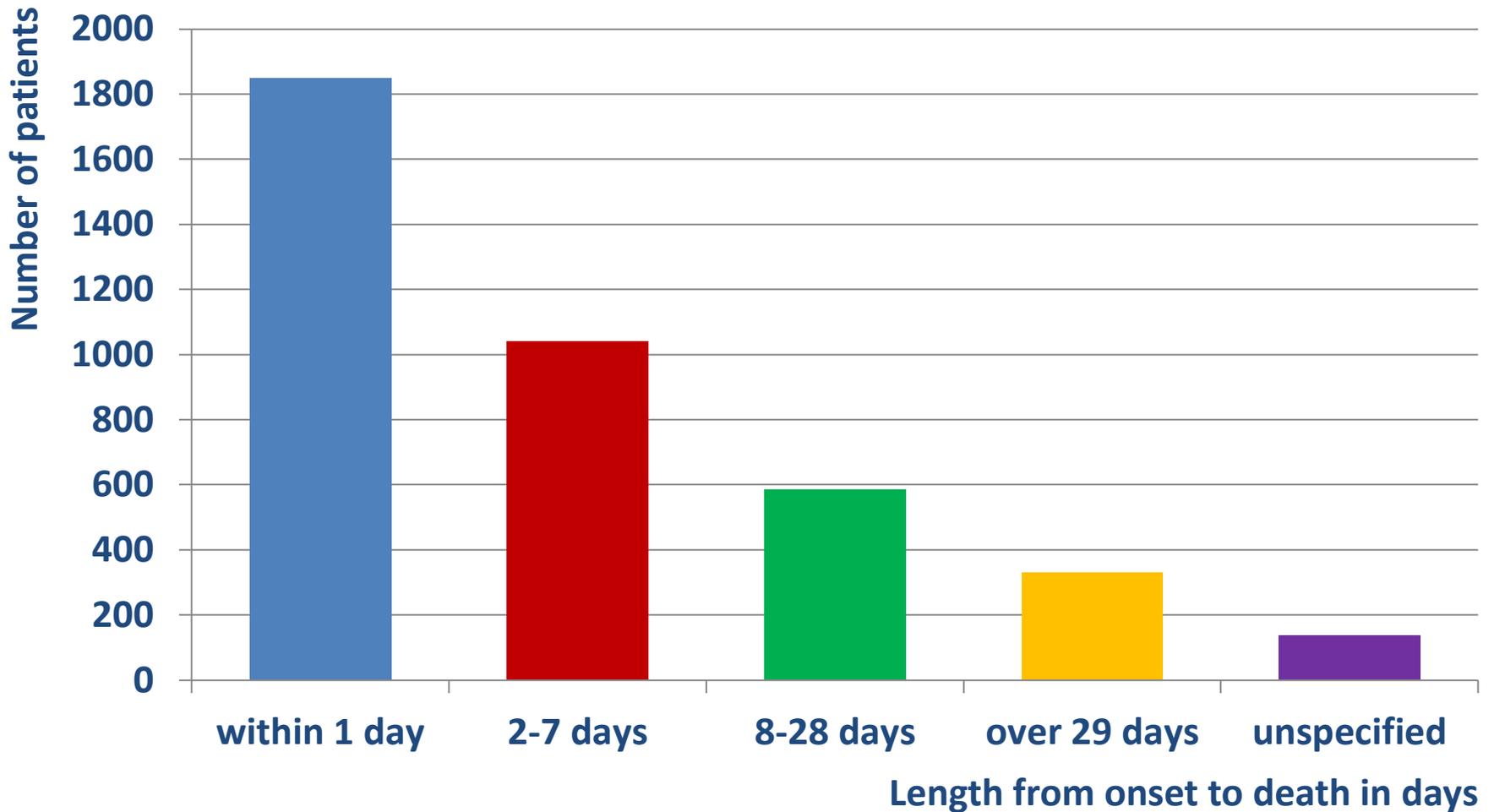
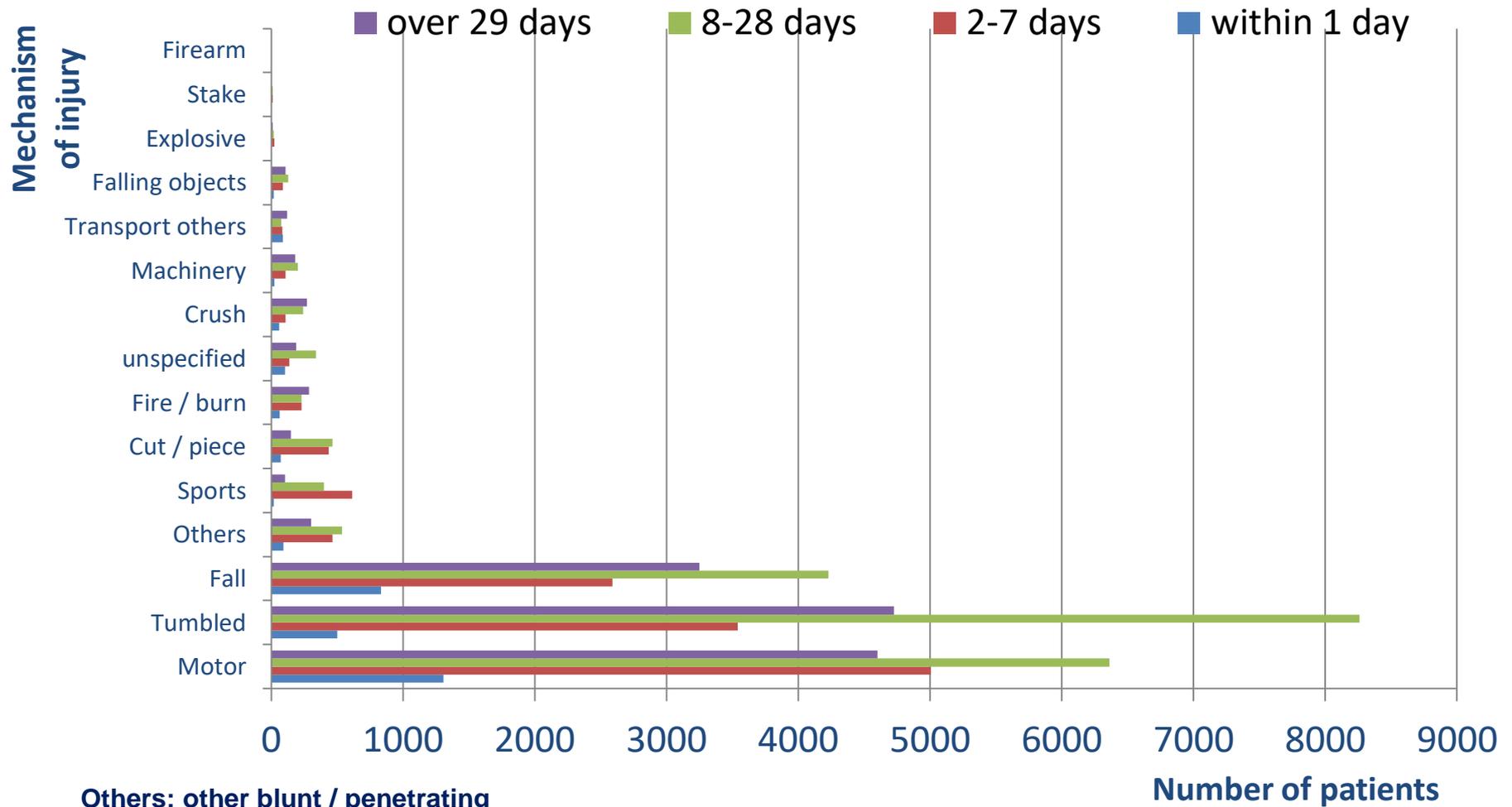
Figure
10**Case Fatality by mechanism of injury and age**

Figure
11A**Proportional distribution of length from onset to facility n = 3,946**

The category within 1 day after onset includes CPAOA patients.

Figure
11B

Proportional distribution of length from onset to fatality, grouped by mechanism of injury. n = 52,815



Others; other blunt / penetrating

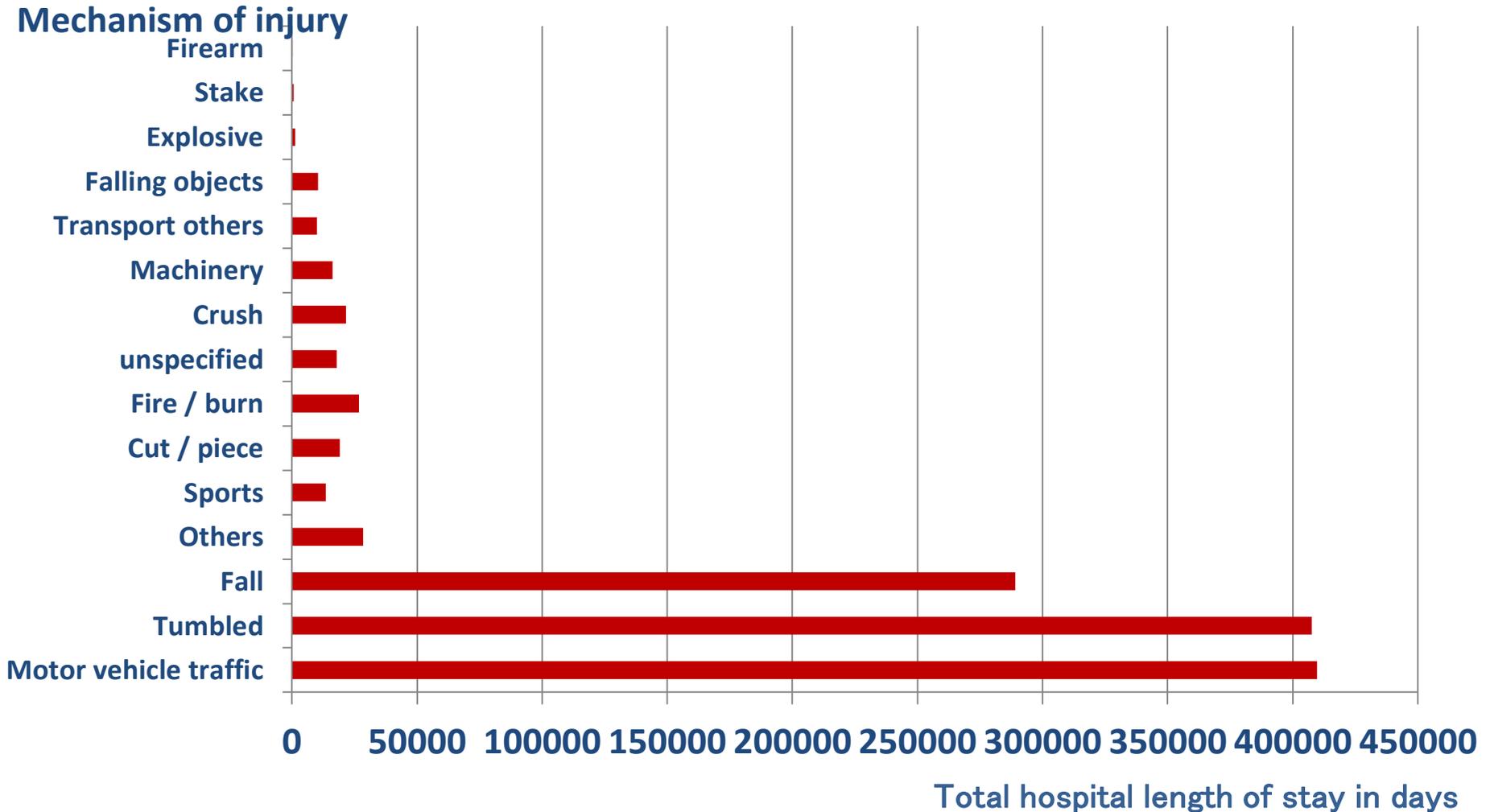
Motor; Motor vehicle traffic includes pedal cyclist and pedestrian victims.

Table
11B

Proportional distribution of length from onset to fatality, grouped by mechanism of injury. n = 52,815

Mechanism Length of hospital days	Motor vehicle traffic	Tumbled	Fall	Other blunt/penet rating	Sports	Cut / piece	Fire / burn	unspecified
within 1 day	1308	502	834	91	21	72	65	103
2 - 7 days	5007	3540	2950	466	616	436	229	137
8 – 28 days	6361	8260	4228	536	401	463	228	339
over 29 days	4601	4729	3251	303	103	151	288	190
Total	17277	17031	11263	1396	1141	1122	810	769

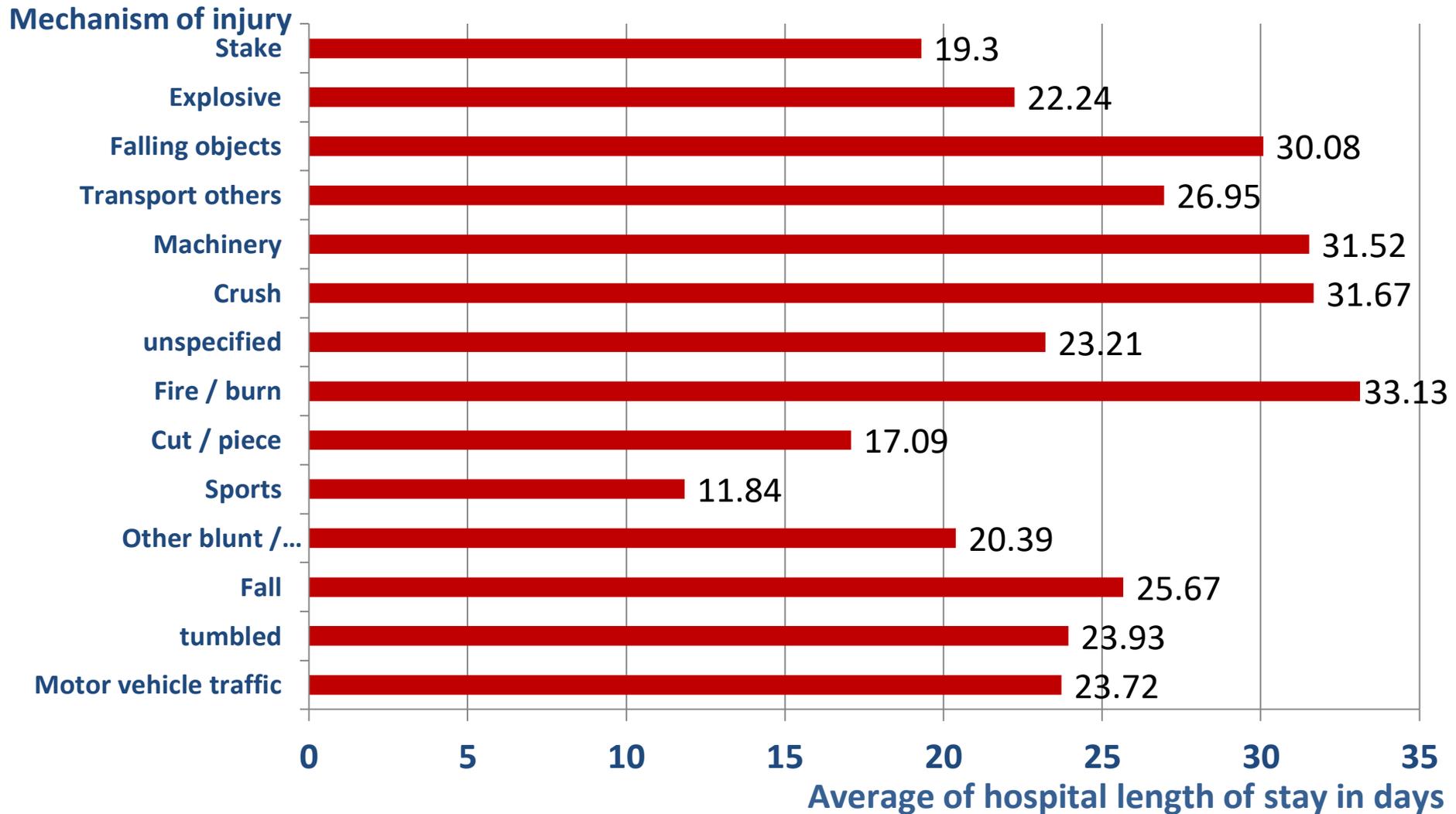
	Crush	Machinery	Transport others	Falling objects	Explosive	Stake	Firearm	Total
within 1 day	59	22	89	18	2	0	2	3188
2 - 7 days	110	107	85	87	23	12	1	13806
8 – 28 days	242	203	77	128	21	13	2	21502
over 29 days	271	181	121	110	13	5	2	14319
Total	682	513	372	343	59	30	7	52815

Figure
12**Total hospital length of stay by mechanism of Injury n = 52,815**

Total hospital length of stay of patients are 1,272,680 days.

Table
12**Total and average hospital length of stay by mechanism of injury n = 52,815**

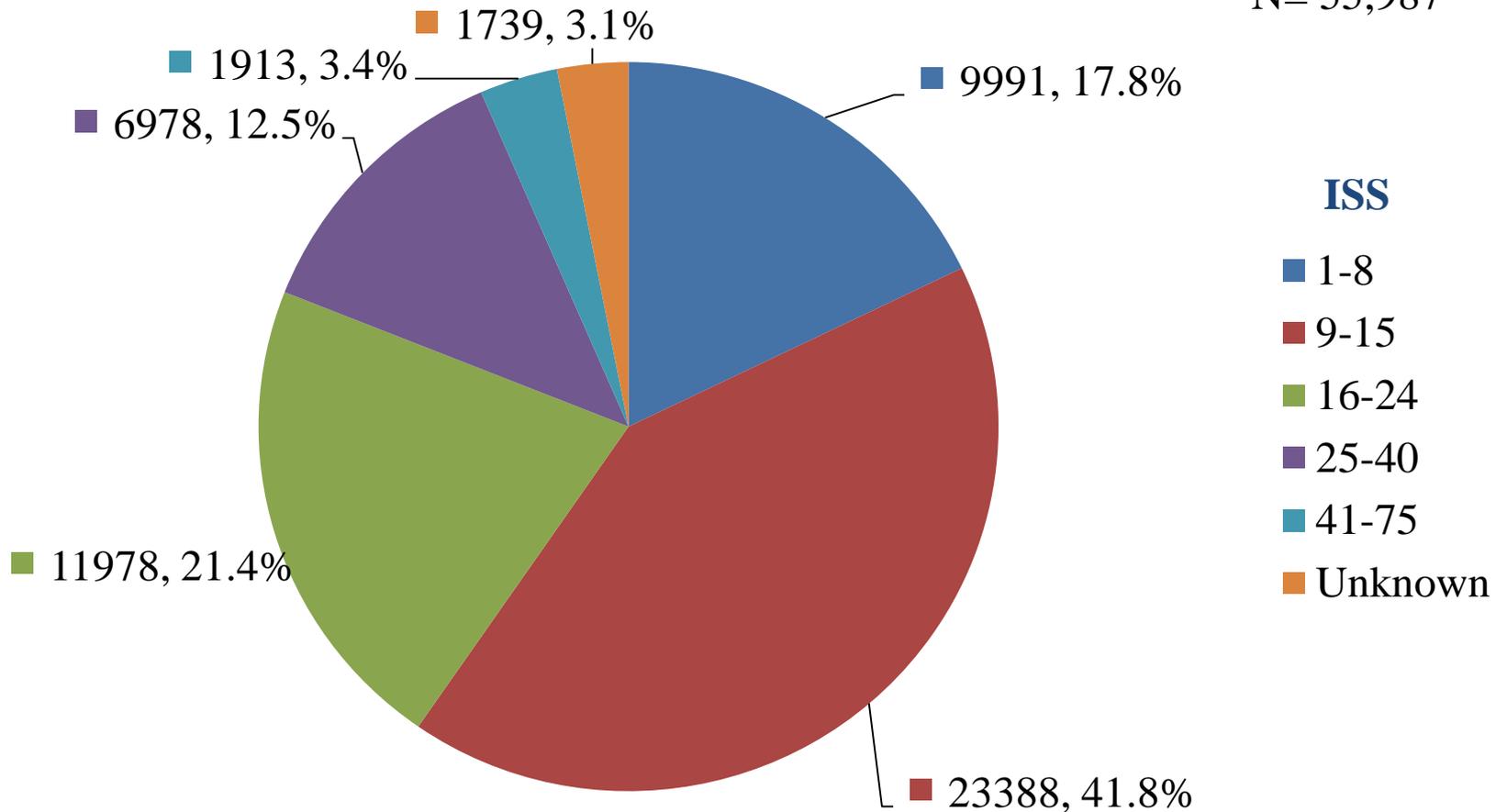
Mechanism of injury	Number of patients / %		Total hospital LOS in days	Average of hospital LOS in days
Motor vehicle traffic	17,277	32.71%	409,810	23.72
tumbled	17,031	32.25%	407,584	23.93
Fall	11,263	21.33%	289,160	25.67
Other blunt / penetrating	1,396	2.64%	28,456	20.39
Sports	1,141	2.16%	13,514	11.84
Cut / piece	1,122	2.12%	19,178	17.09
Fire / burn	810	1.53%	26,834	33.13
unspecified	769	1.46%	17,849	23.21
Crush	682	1.29%	21,601	31.67
Machinery	513	0.97%	16,172	31.52
Transport others	372	0.70%	10,025	26.95
Falling objects	343	0.65%	10,317	30.08
Explosive	59	0.11%	1,312	22.24
Stake	30	0.06%	579	19.30
Firearm	7	0.01%	286	40.86
Total	52,815	100%	1,272,680	24.10

Figure
13**Average hospital length of stay by mechanism of injury n = 52,815**

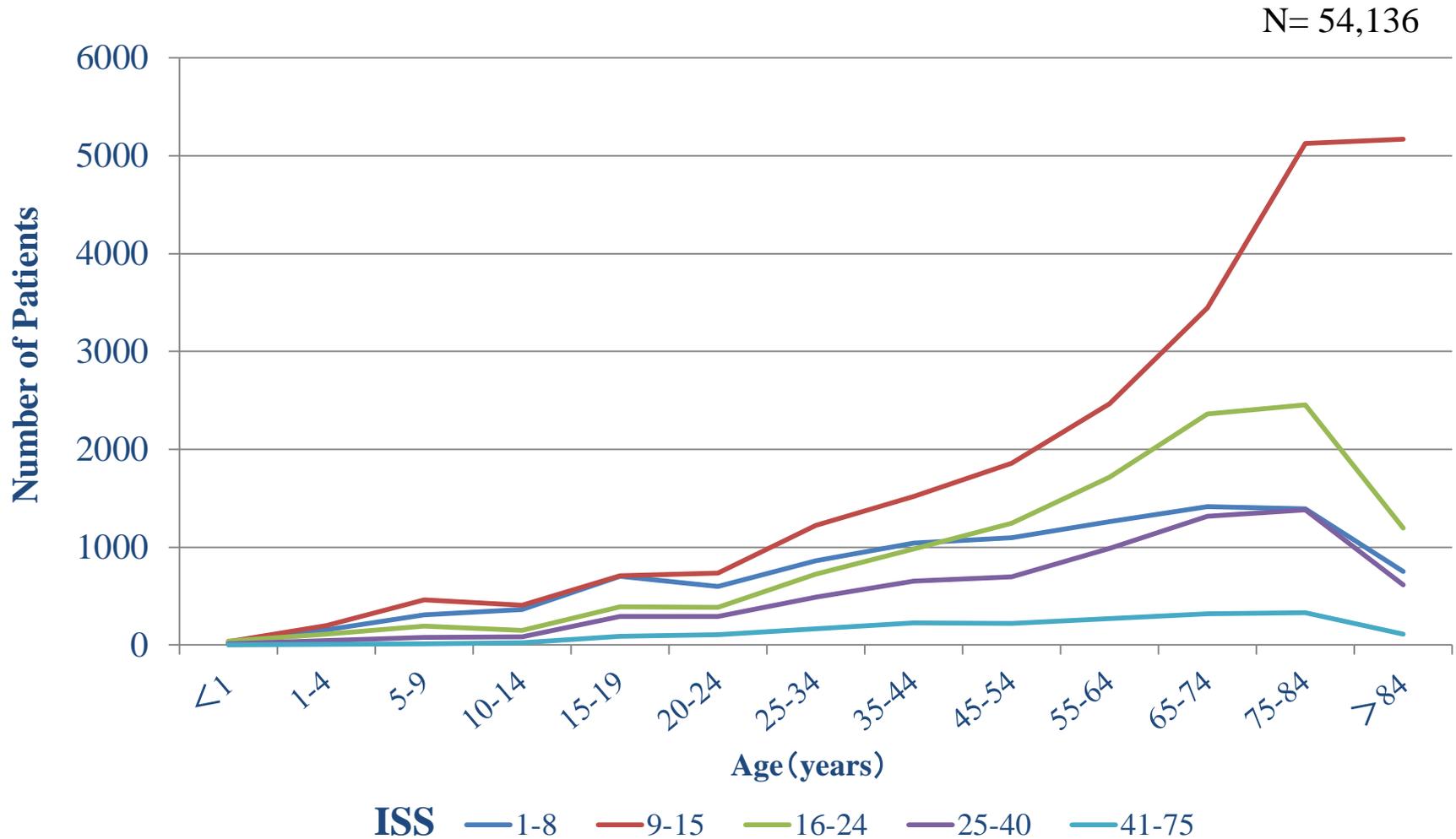
Motor vehicle traffic includes pedal cyclist and pedestrian victims.

Figure
14**Patients and Injury Severity Score (ISS)**

N= 55,987



Proportional distribution of patients grouped by categories of the ISS range.
The number of patients of ISS 9-15 category was the most of all categories.

Figure
15**Patients by ISS and Age**

Number of injured patients grouped by ISS range, at each age from 0 to 105.

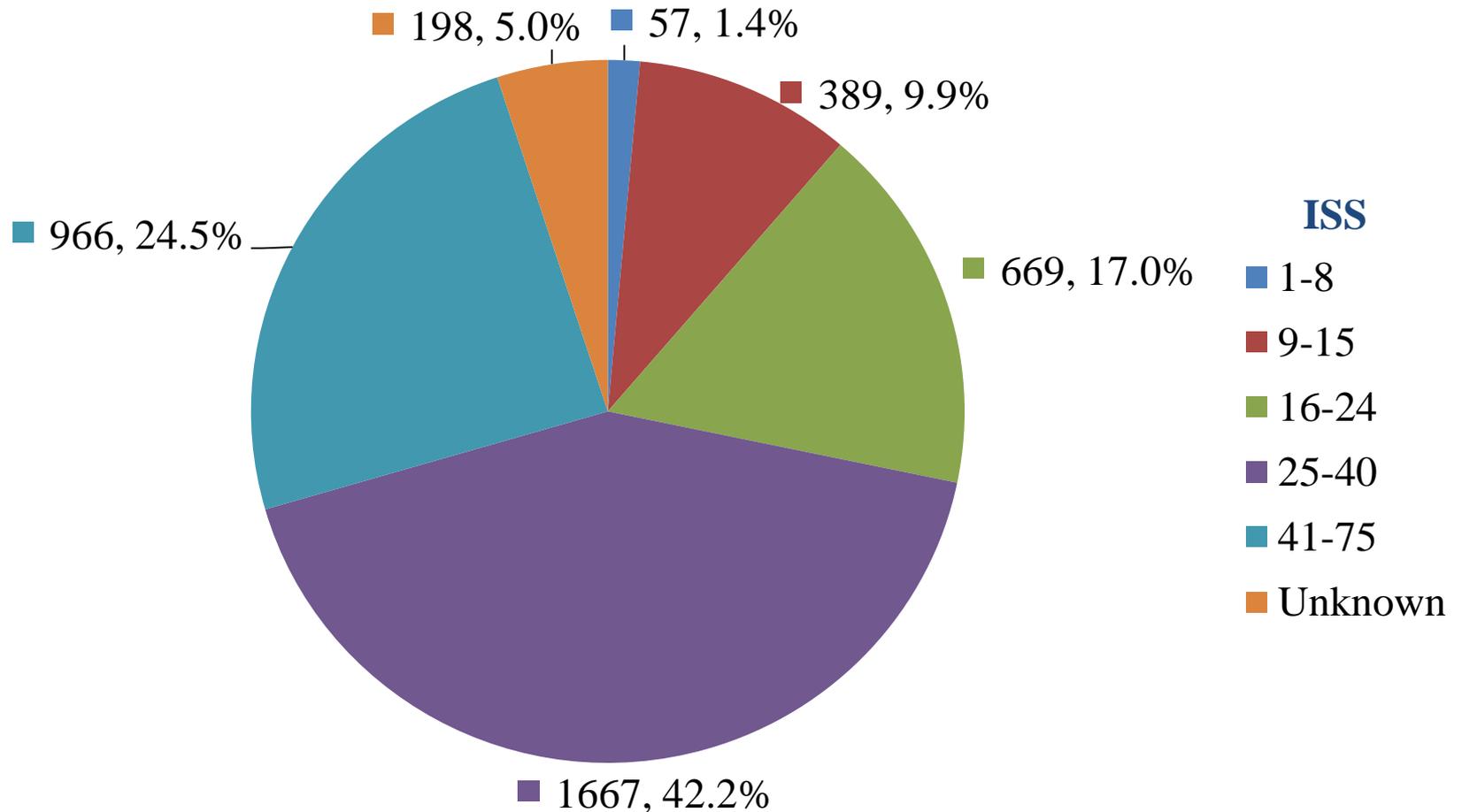
The peaks of the number of patients based on age distribution were seen at over 75 ages of ISS 9-15, and at 65-84 ages of another ISS categories.

Table
15**Patients by ISS and Age**

Age ISS	0	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85-	Unknown	Total
1-8	20	156	311	363	704	601	864	1041	1099	1259	1416	1391	752	14	9991
9-15	37	197	464	407	706	735	1224	1519	1860	2466	3446	5127	5170	30	23388
16-24	41	110	193	152	391	388	726	981	1247	1715	2363	2454	1196	21	11978
25-40	12	47	80	84	293	291	488	655	700	987	1317	1381	615	28	6978
41-75	1	9	15	25	88	107	167	228	223	273	318	329	111	19	1913
Unknown	2	29	52	32	78	85	140	169	185	206	292	288	176	5	1739
Total	113	548	1115	1063	2260	2207	3609	4593	5314	6906	9152	10970	8020	117	55987

Figure
16-A**Deaths and Injury Severity Score (ISS)**

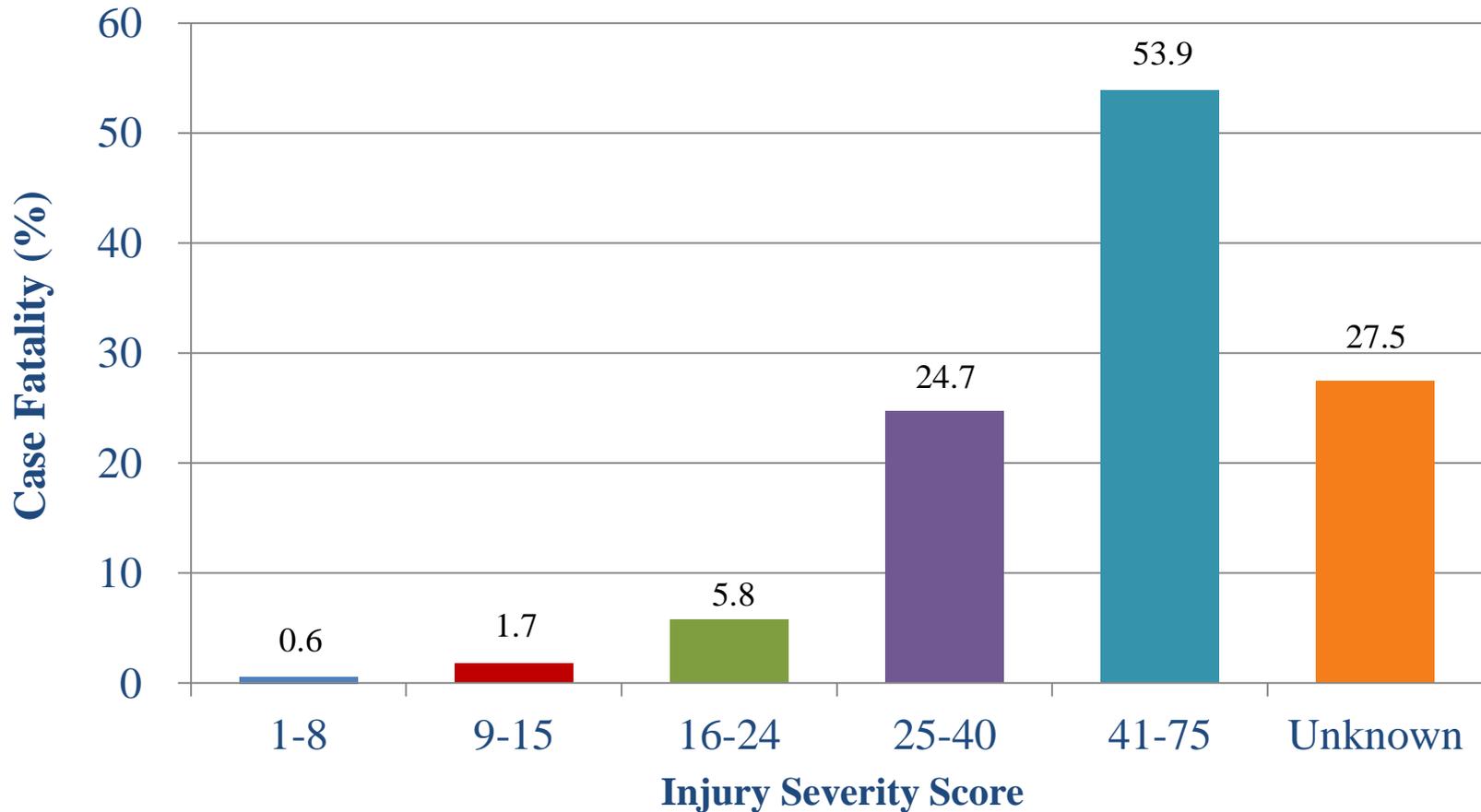
N= 3,946



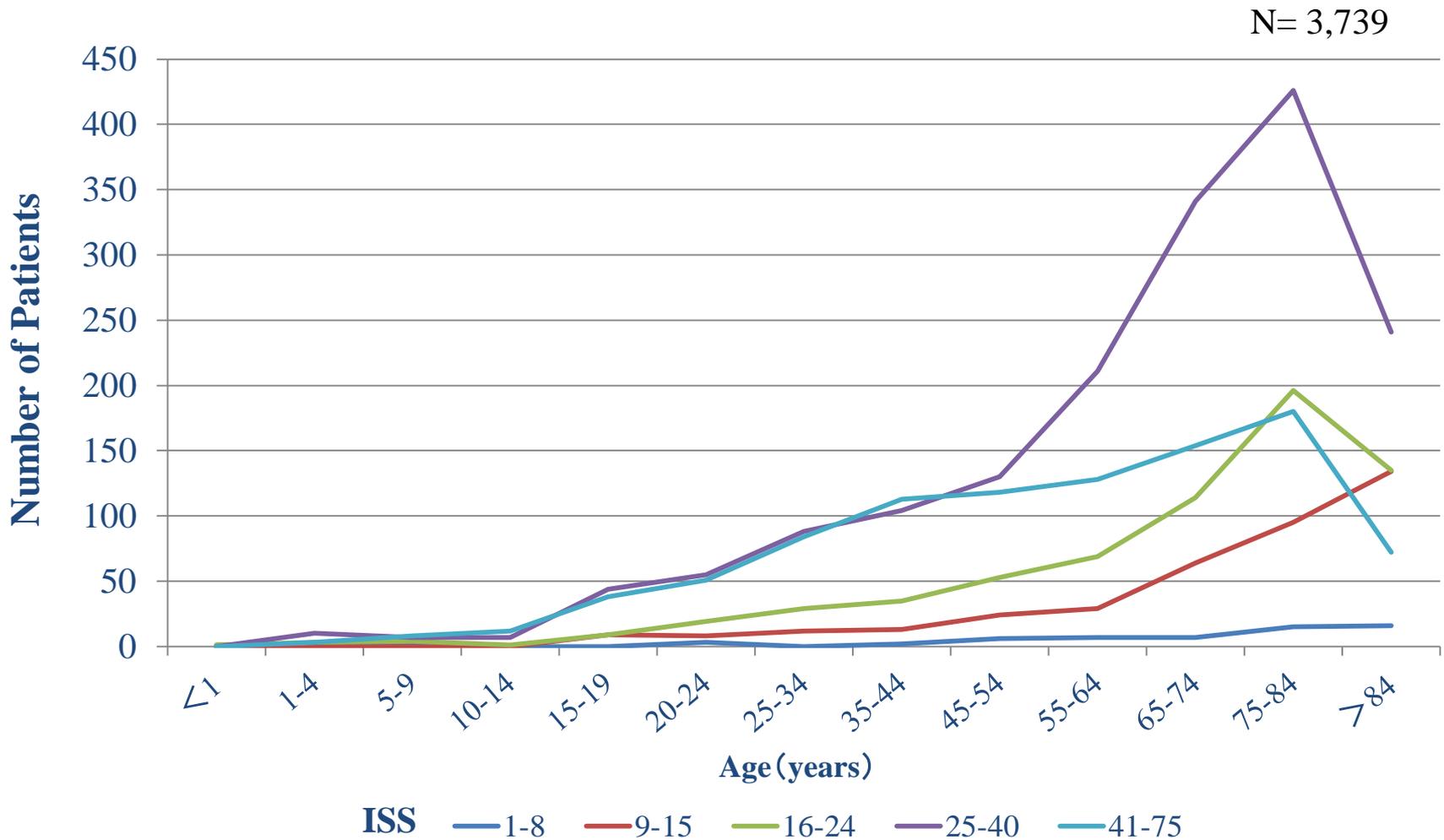
**Proportional distribution of deaths grouped by categories of ISS range.
Deaths in ISS 25-40 category were the highest.**

Figure
16-B**Case Fatality by Injury Severity Score (ISS) Range**

N= 3,946



Case fatality grouped by ISS range was higher in severe trauma category.
(Case fatality = number of deaths divided by the number of patients \times 100 by ISS range).

Figure
17**Deaths by ISS and Age**

The peak was seen at elderly ages in all ISS categories.

Table
17**Deaths by ISS and Age**

Age ISS	0	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85-	Unknown	Total
1-8	0	0	1	0	0	3	0	2	6	7	7	15	16	0	57
9-15	1	0	0	0	9	8	12	13	24	29	64	95	134	0	389
16-24	1	3	4	1	9	19	29	35	53	69	114	196	135	1	669
25-40	0	10	7	7	44	55	88	104	130	211	341	426	241	3	1667
41-75	0	3	8	12	38	51	84	113	118	128	154	180	72	5	966
Unknown	0	1	0	2	6	16	21	20	29	29	24	31	16	3	198
Total	2	17	20	22	106	152	234	287	360	473	704	943	614	12	3946

Figure
18**Deaths by Age and Gender (ISS \leq 15)**

N=32113

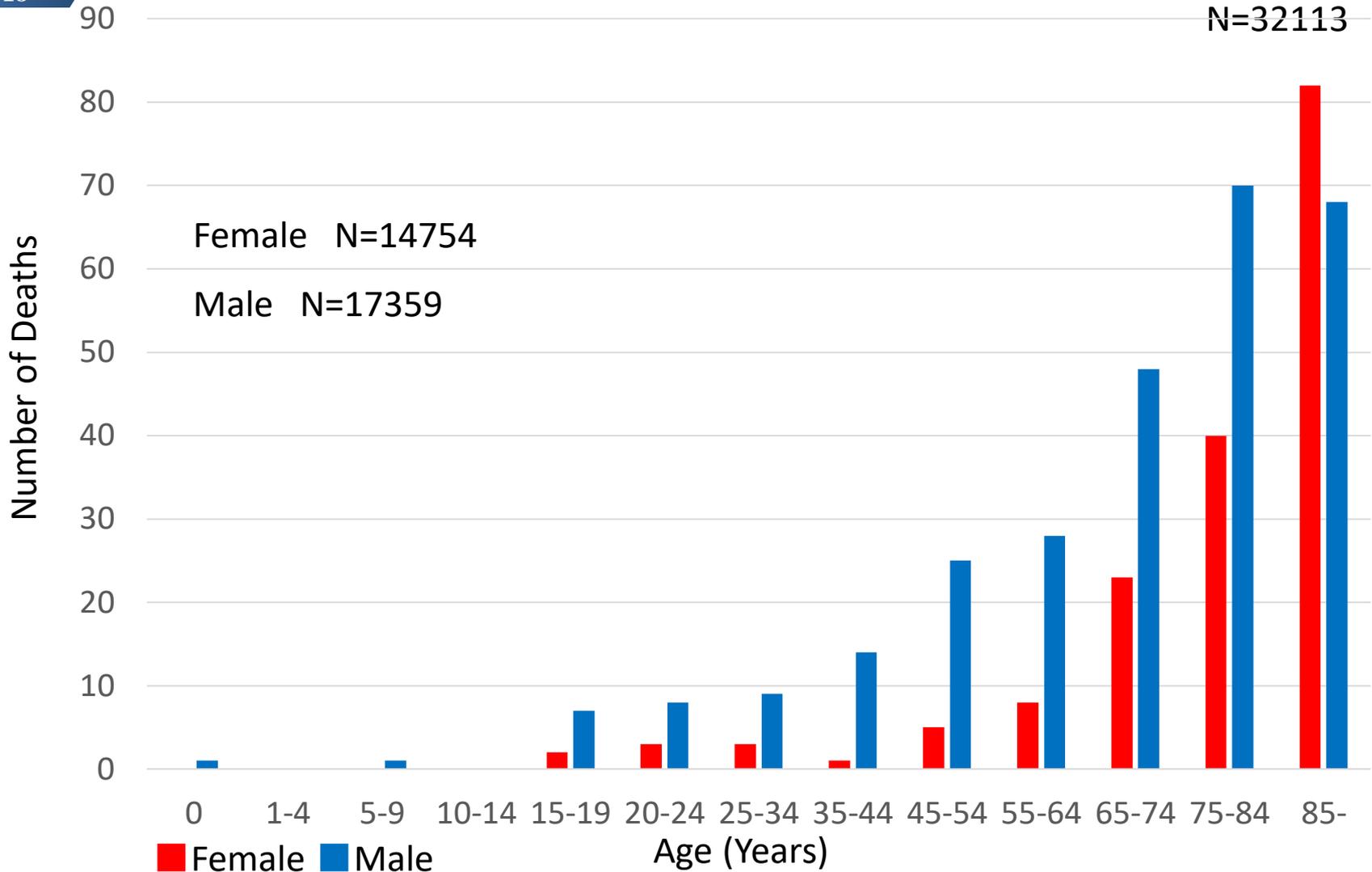
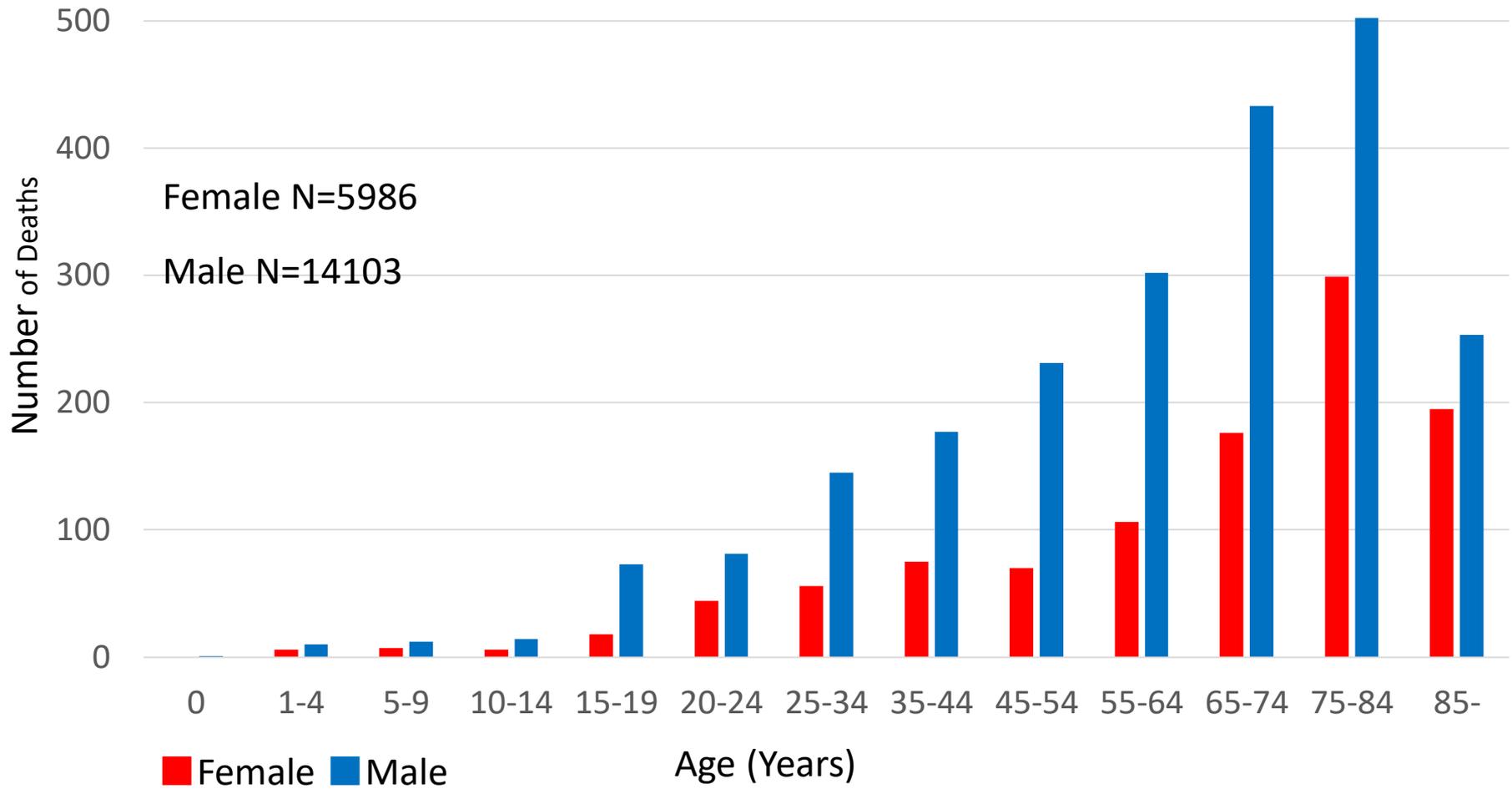
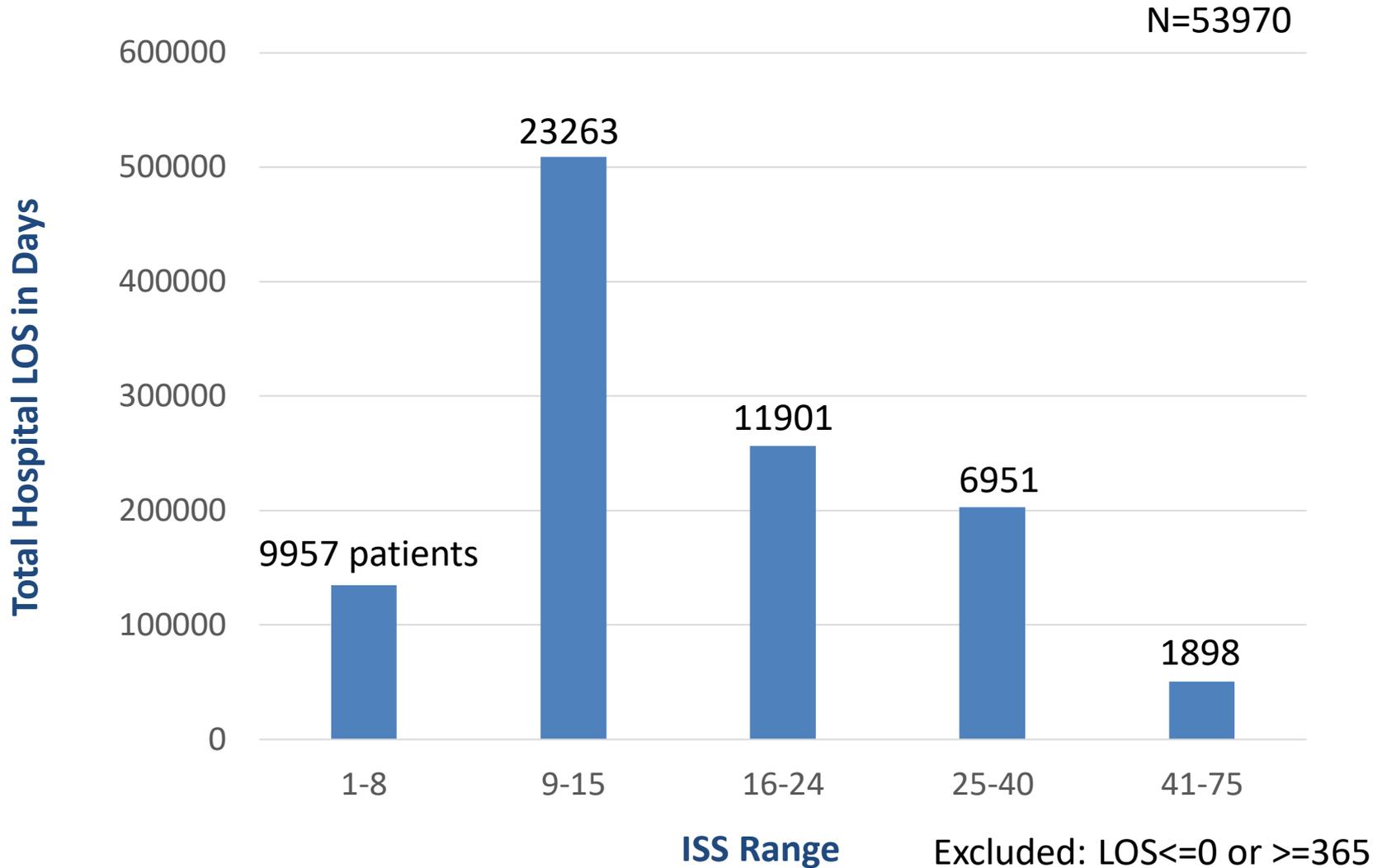
**Deaths for patients with ISS \leq 15 for males and females at each age category.**

Figure
619**Deaths by Age and Gender (ISS>15)**

N=20089



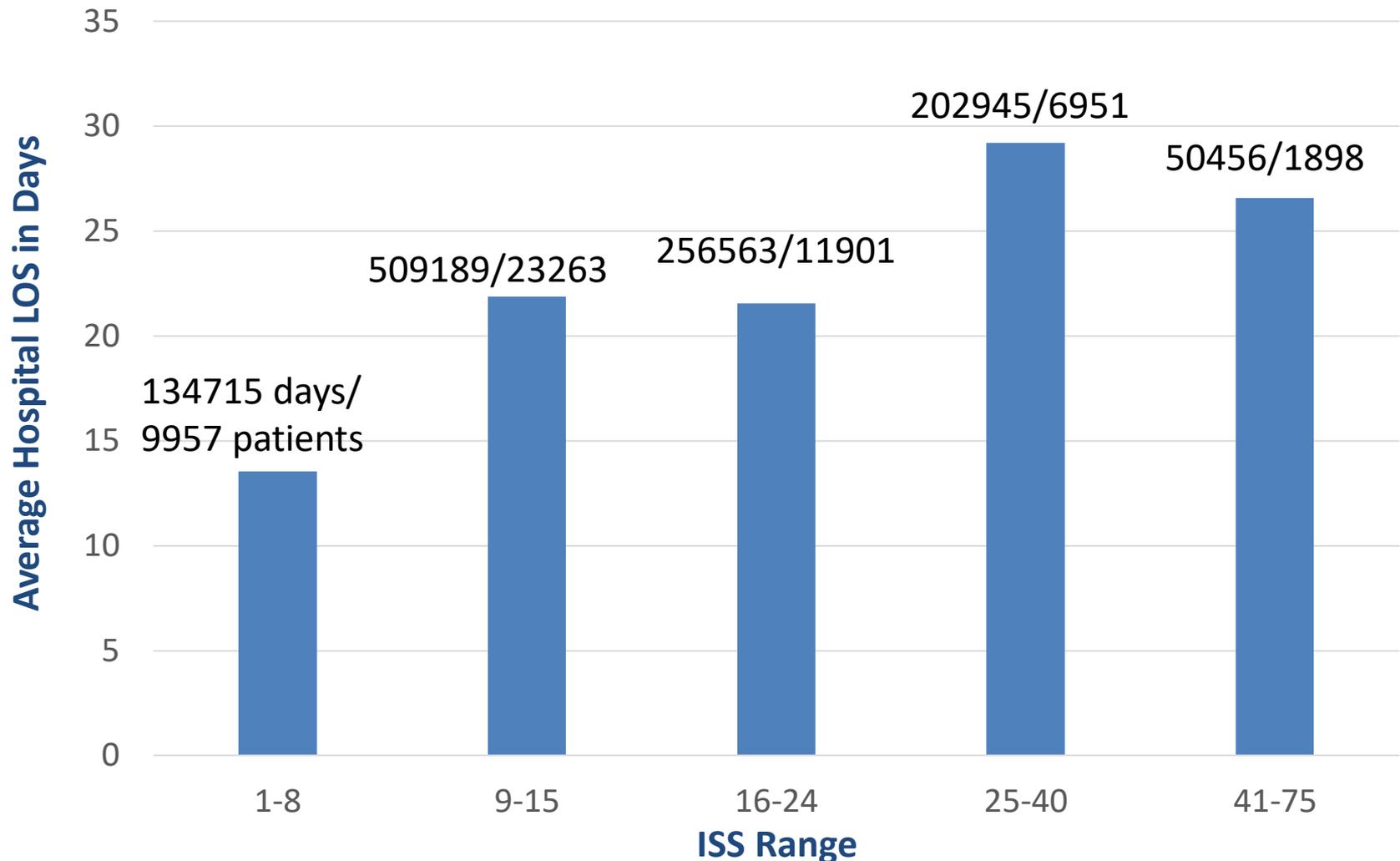
Deaths for patients with ISS>15 for males and females at each age category.

Figure
20A**Total Hospital LOS and Injury Severity Score (ISS)**

Proportional distribution of total hospital length of stay for patients, grouped by ISS range.

Figure
20B**Average Hospital LOS and Injury Severity Score**

N=53970



Average hospital length of stay for each category of ISS range. (Average hospital length of stay = total hospital length of stay for each ISS range divided by the total number of patients).

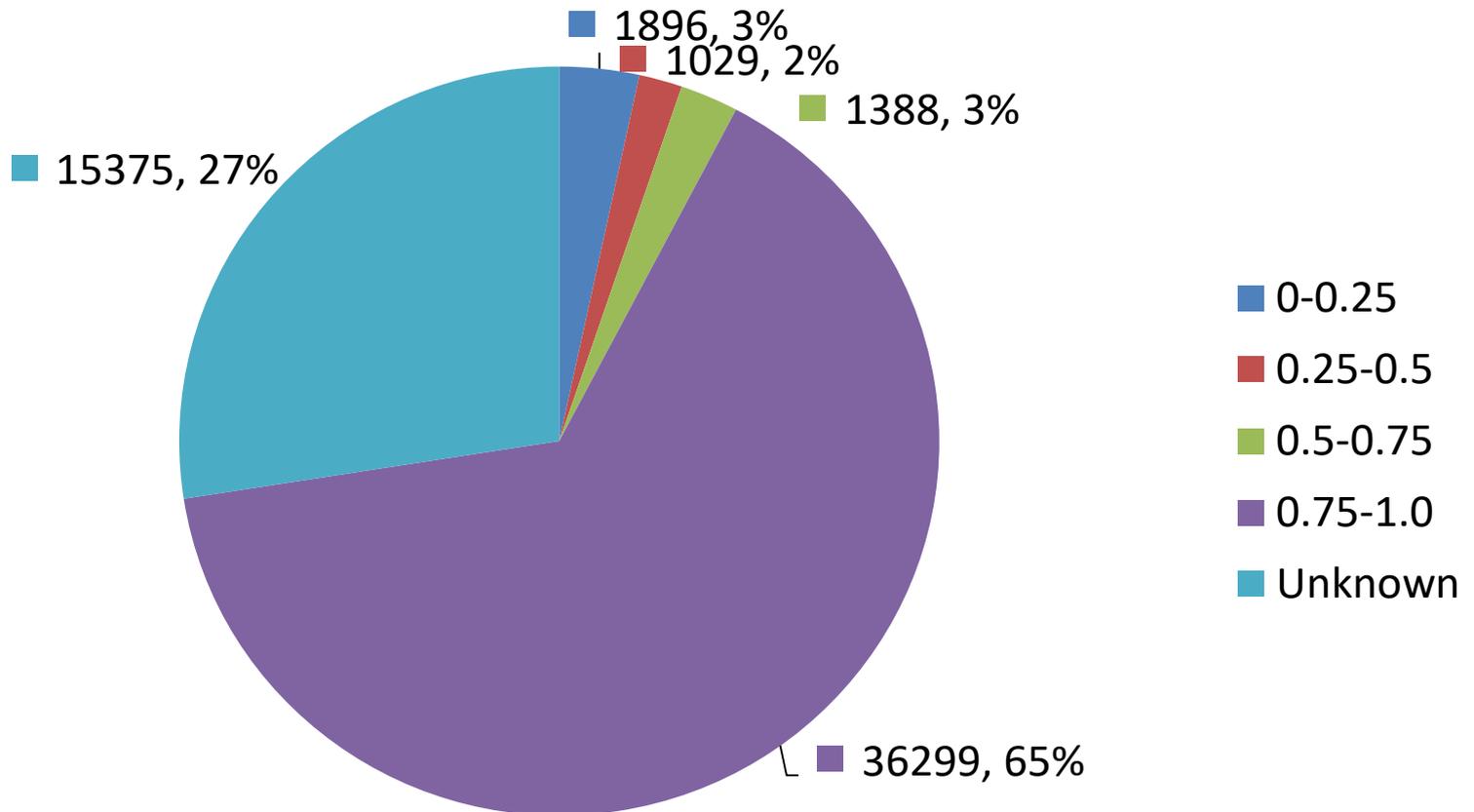
Figure
21**Distribution of patients by probability of survival (Ps)**

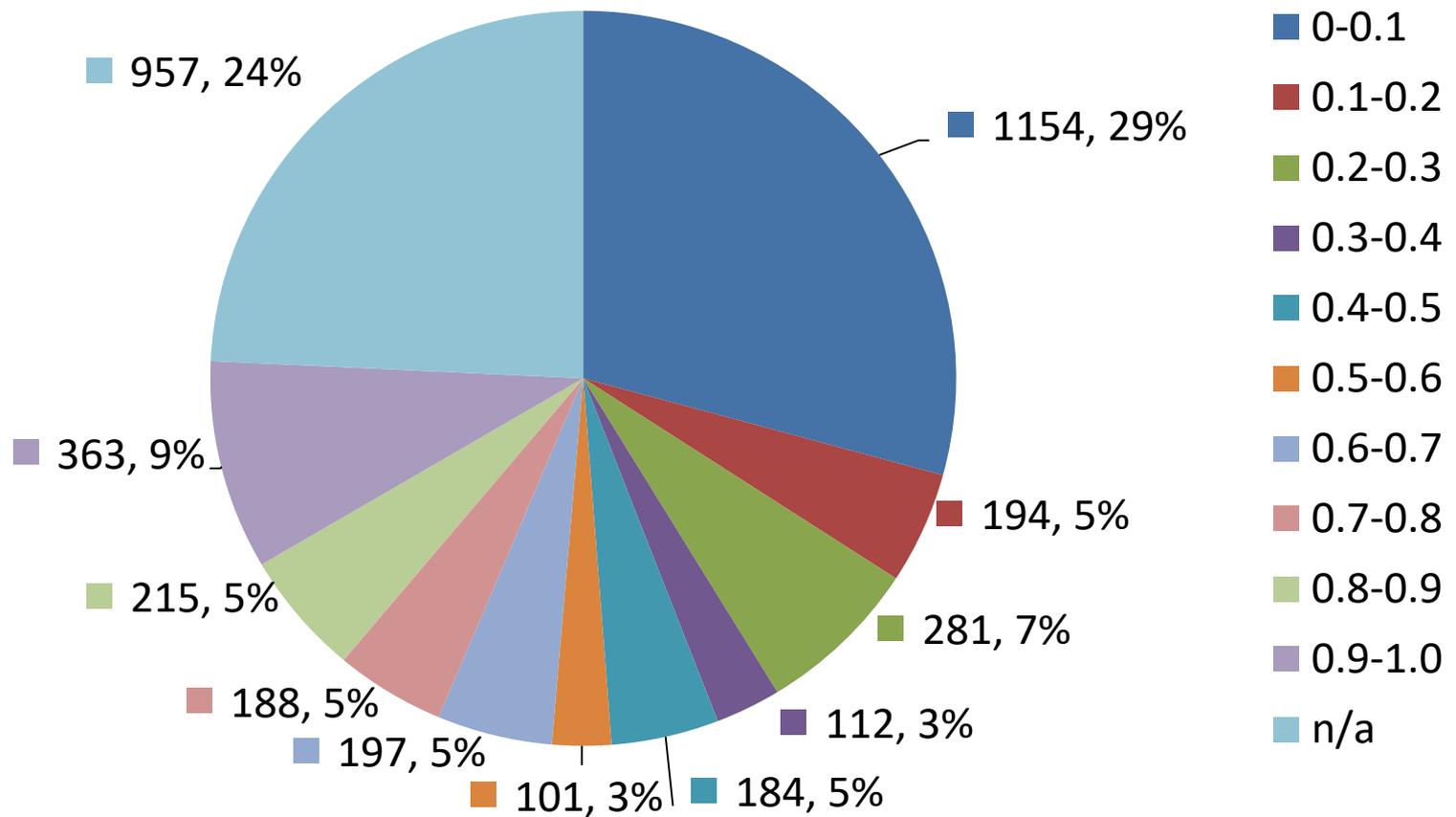
Figure
22A**Distribution of deaths by probability of survival (Ps)**

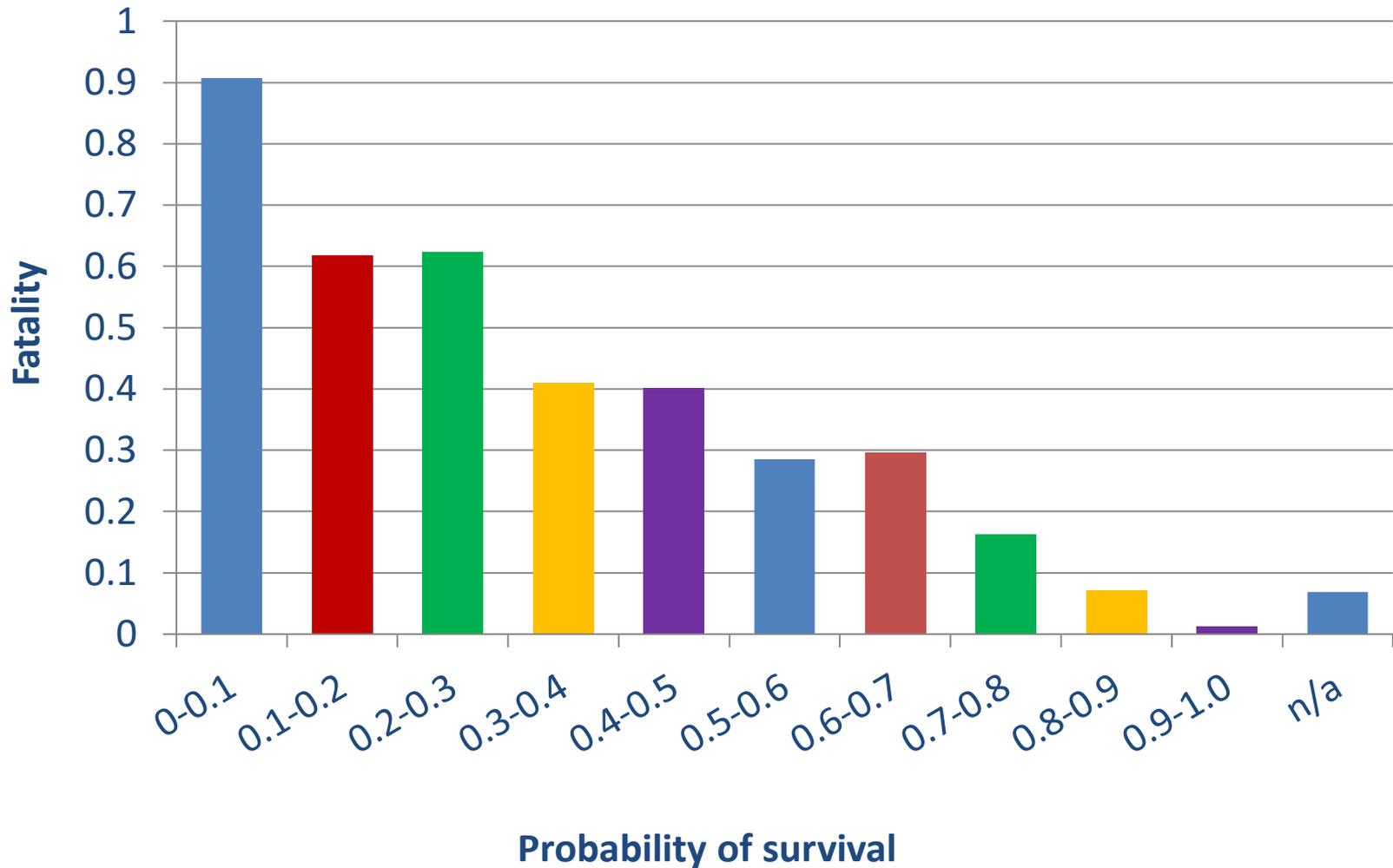
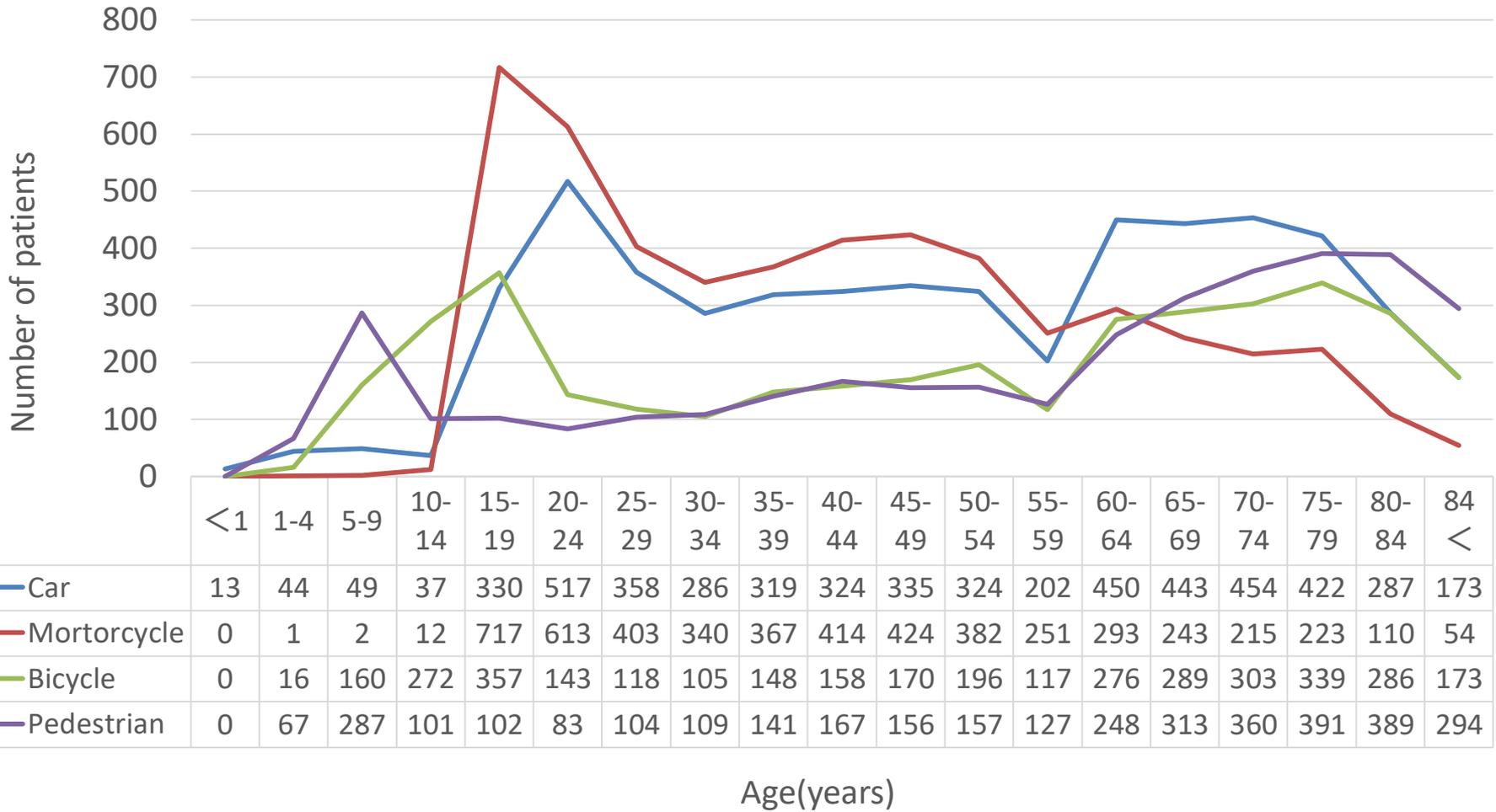
Figure
22B**Case fatality by probability of survival (Ps)**

Figure 23

The number of patients in traffic accidents by types of vehicle and age

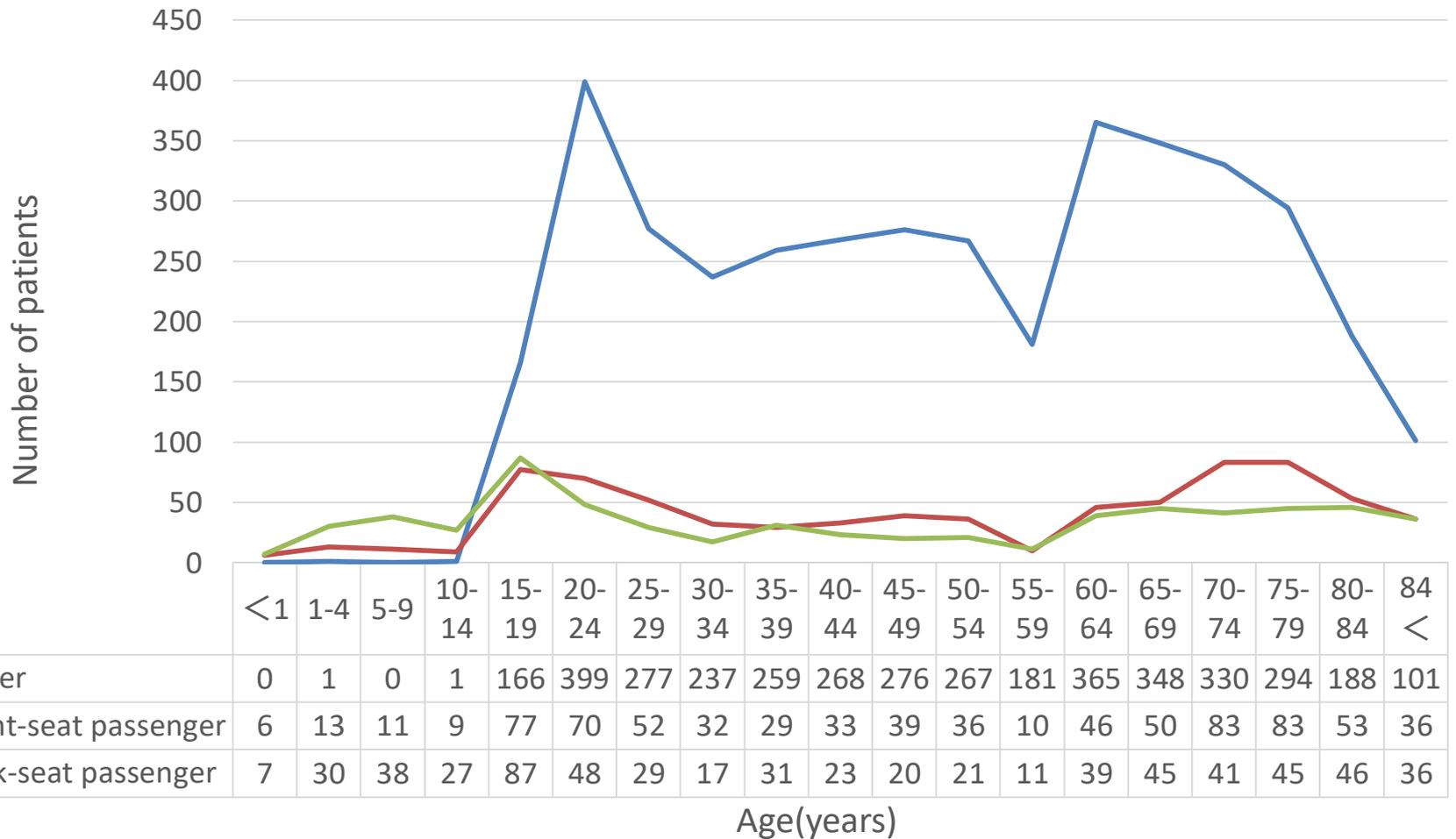


	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	84<
Car	13	44	49	37	330	517	358	286	319	324	335	324	202	450	443	454	422	287	173
Mortorcycle	0	1	2	12	717	613	403	340	367	414	424	382	251	293	243	215	223	110	54
Bicycle	0	16	160	272	357	143	118	105	148	158	170	196	117	276	289	303	339	286	173
Pedestrian	0	67	287	101	102	83	104	109	141	167	156	157	127	248	313	360	391	389	294

— Car
 — Mortorcycle
 — Bicycle
 — Pedestrian

Figure 24

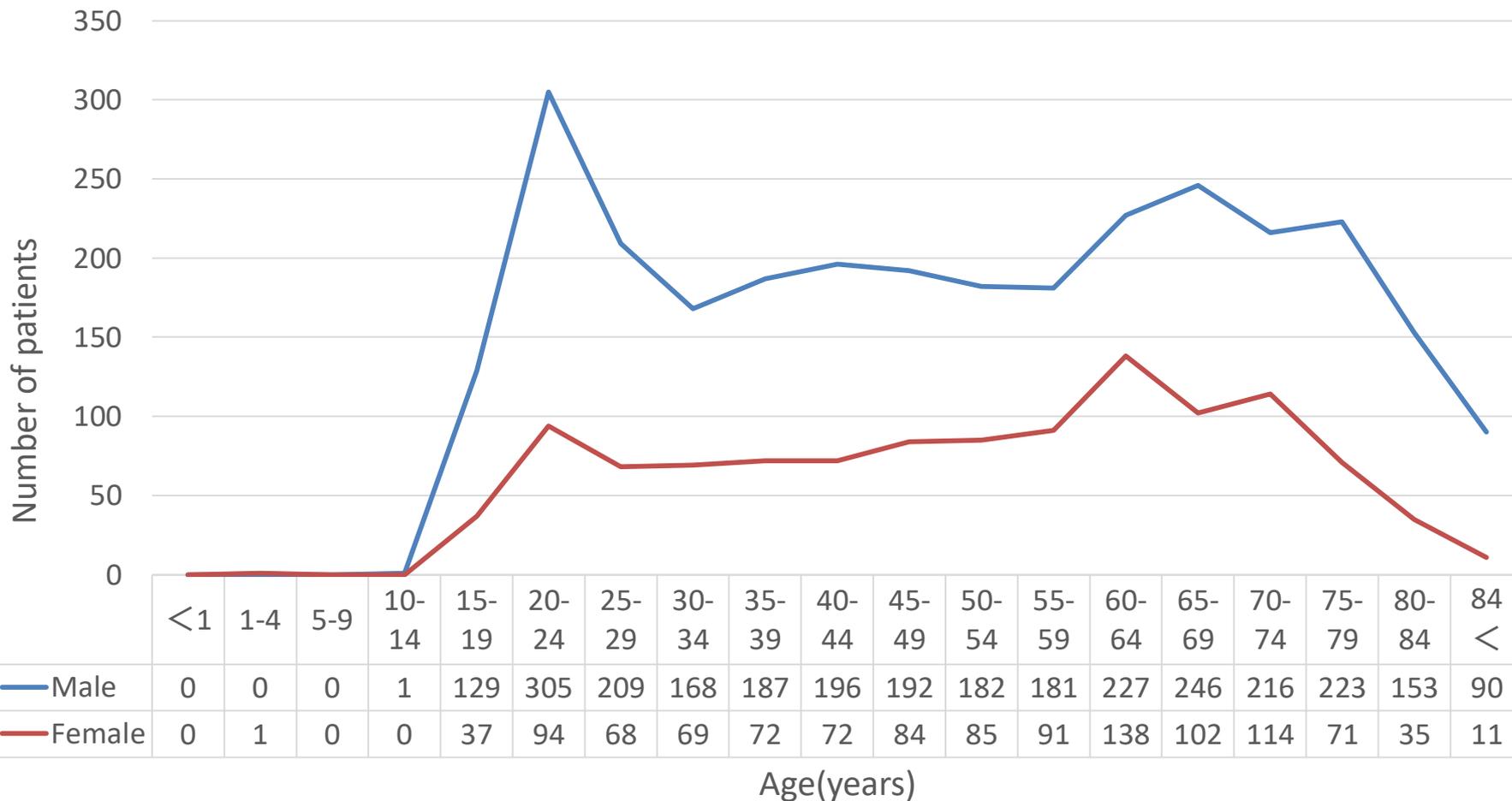
The number of patients in car accident by drivers and passengers and age



— Driver
 — Front-seat passenger
 — Back-seat passenger

Figure 25

The number of patients in car accident (driver) by gender and age



— Male — Female

Figure 26

The number of patients in car accident (passenger) by gender and age

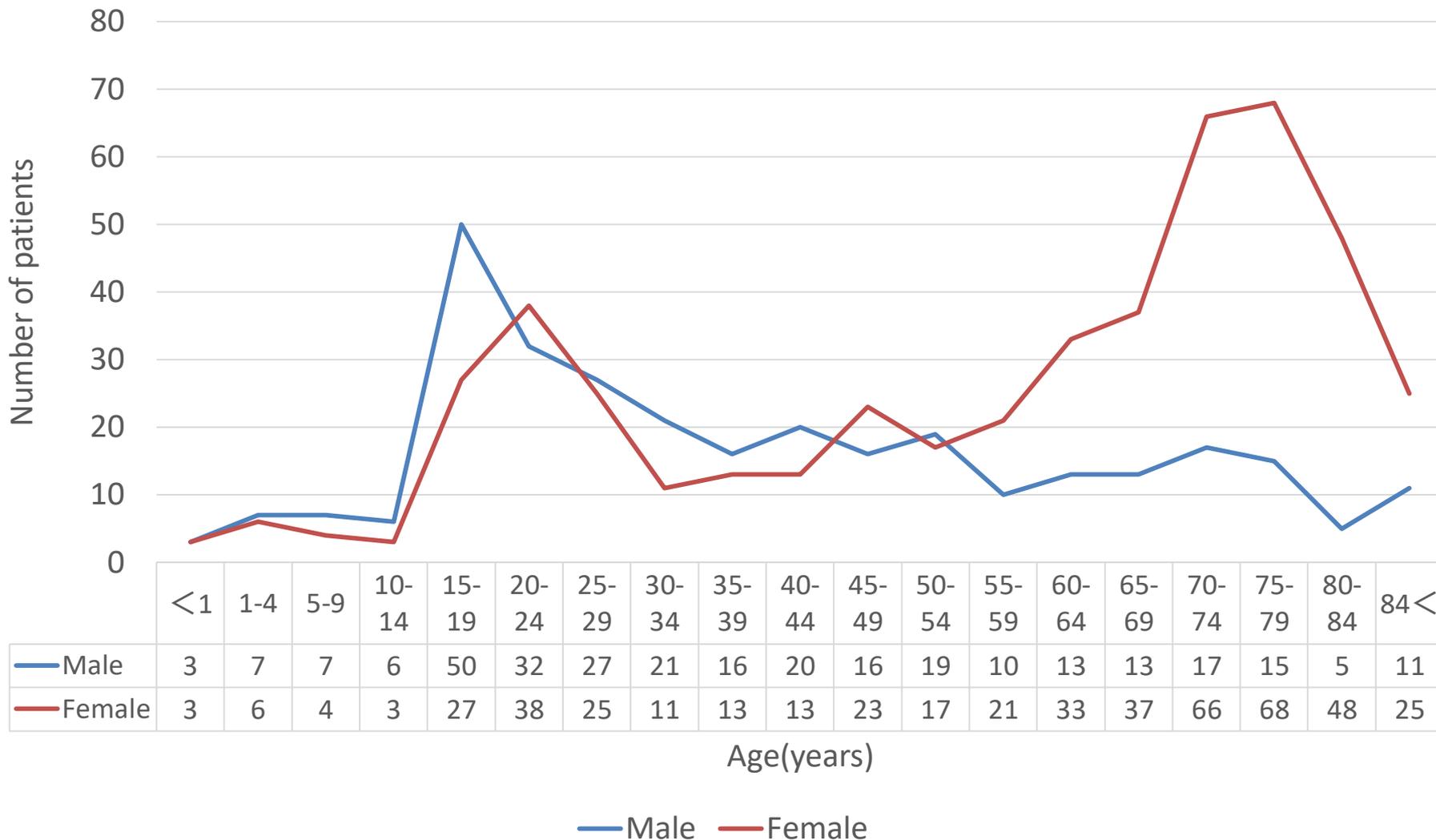


Figure 27

Number of Deaths and Fatalities of Motor Vehicular Drivers by Age

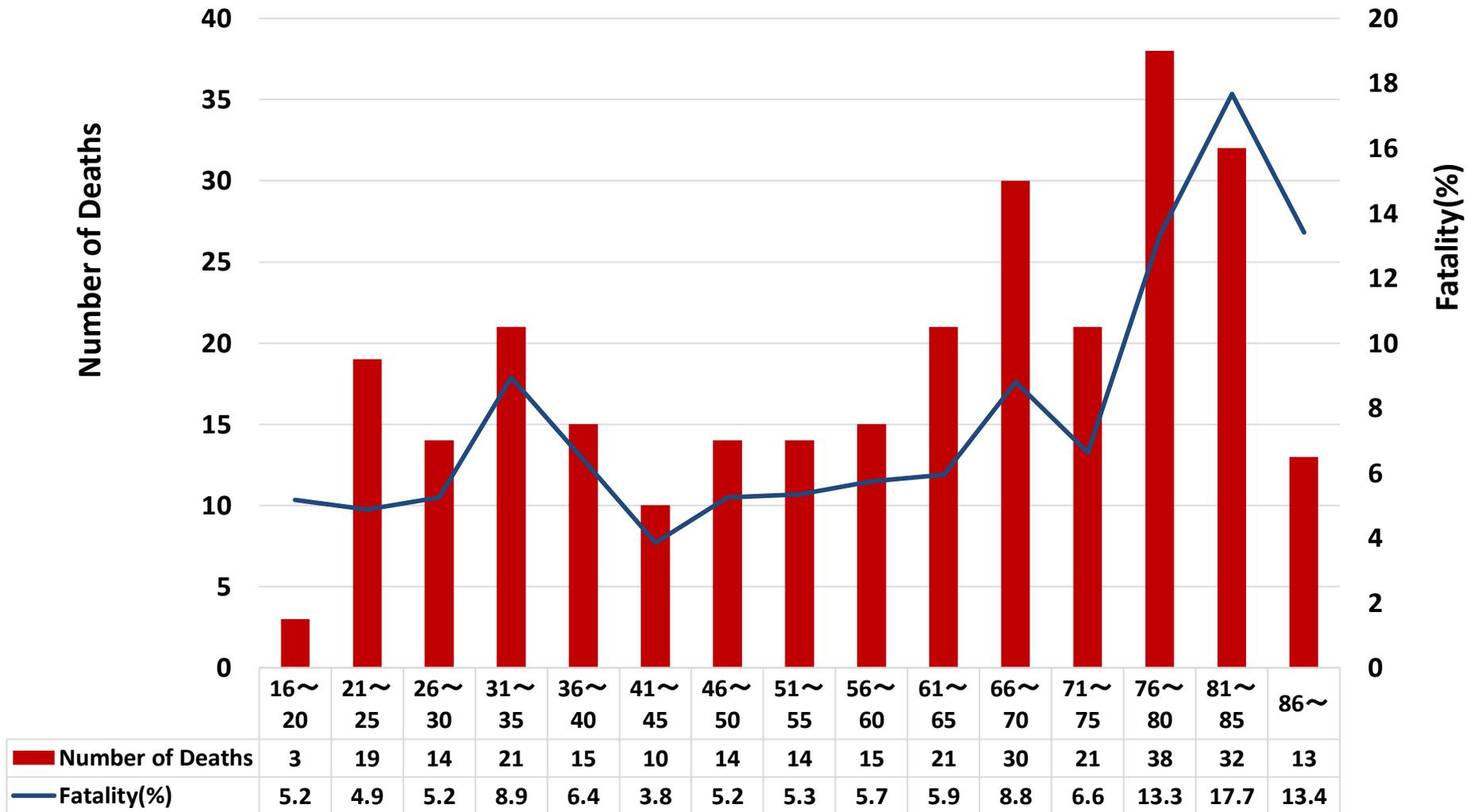


Figure
28

Number of Deaths of Motor Vehicular Drivers by Age and Genders

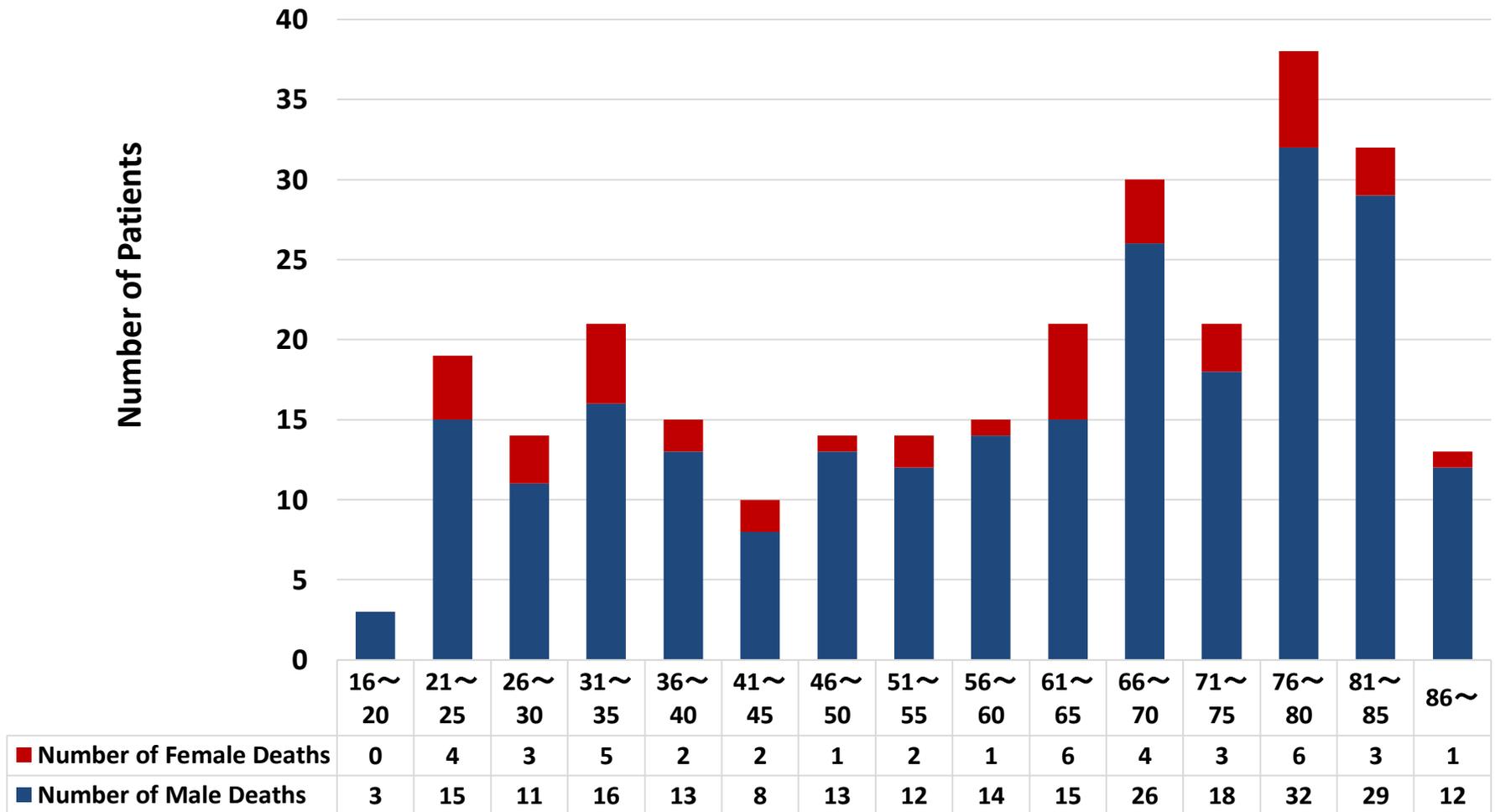


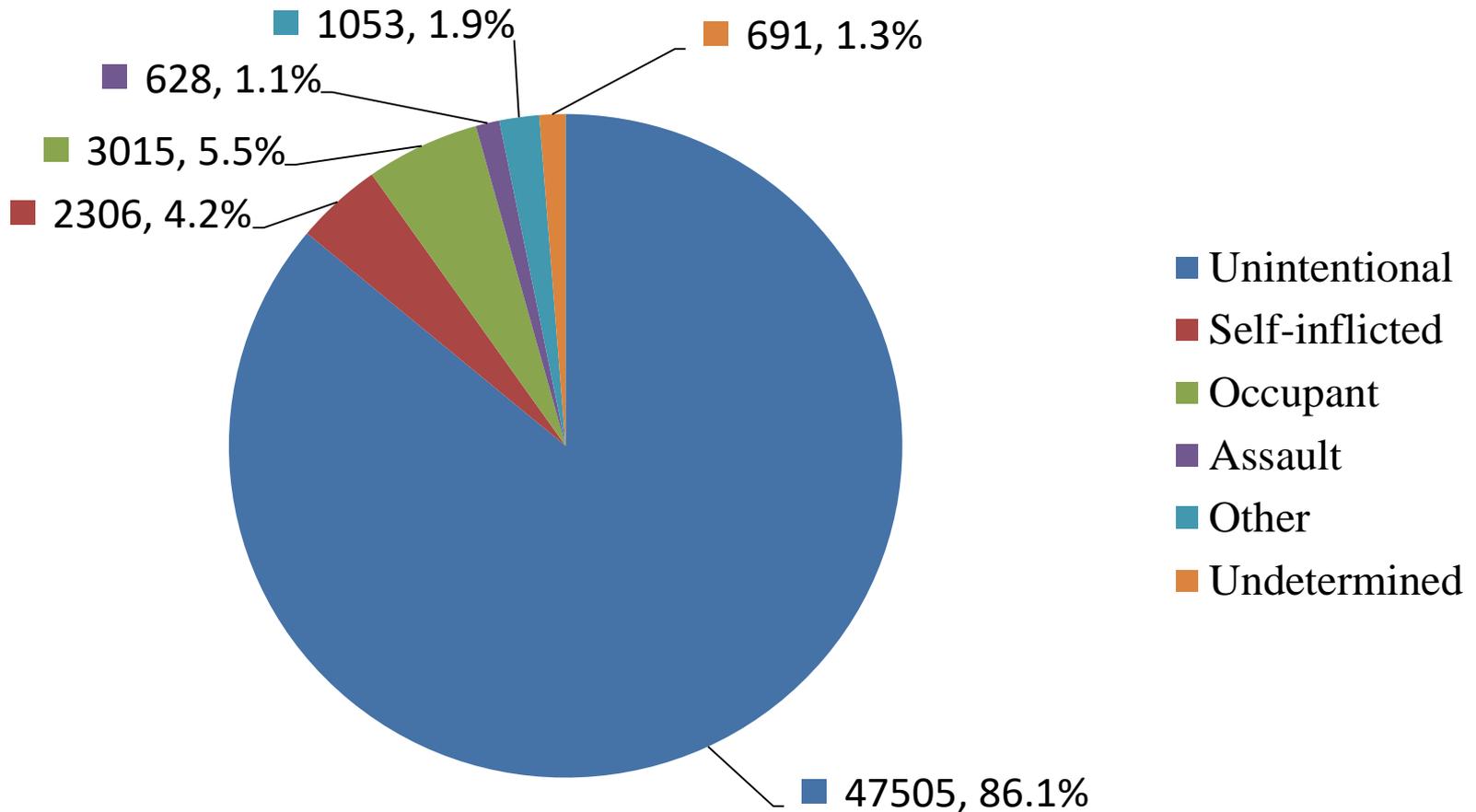
Figure
29**Proportional distribution of registered patients, grouped by intent**

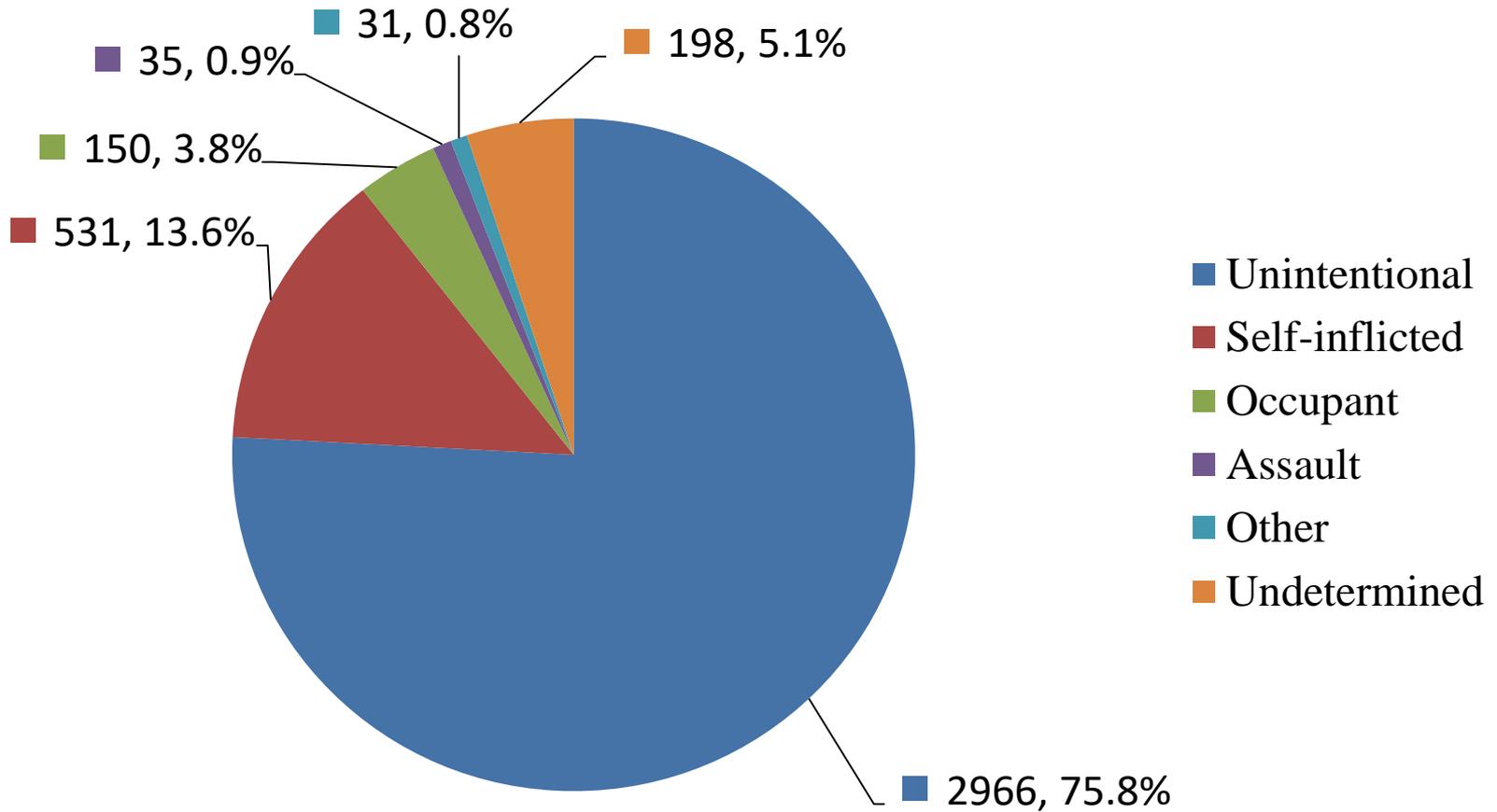
Figure
30**Proportional distribution of deaths, grouped by intent**

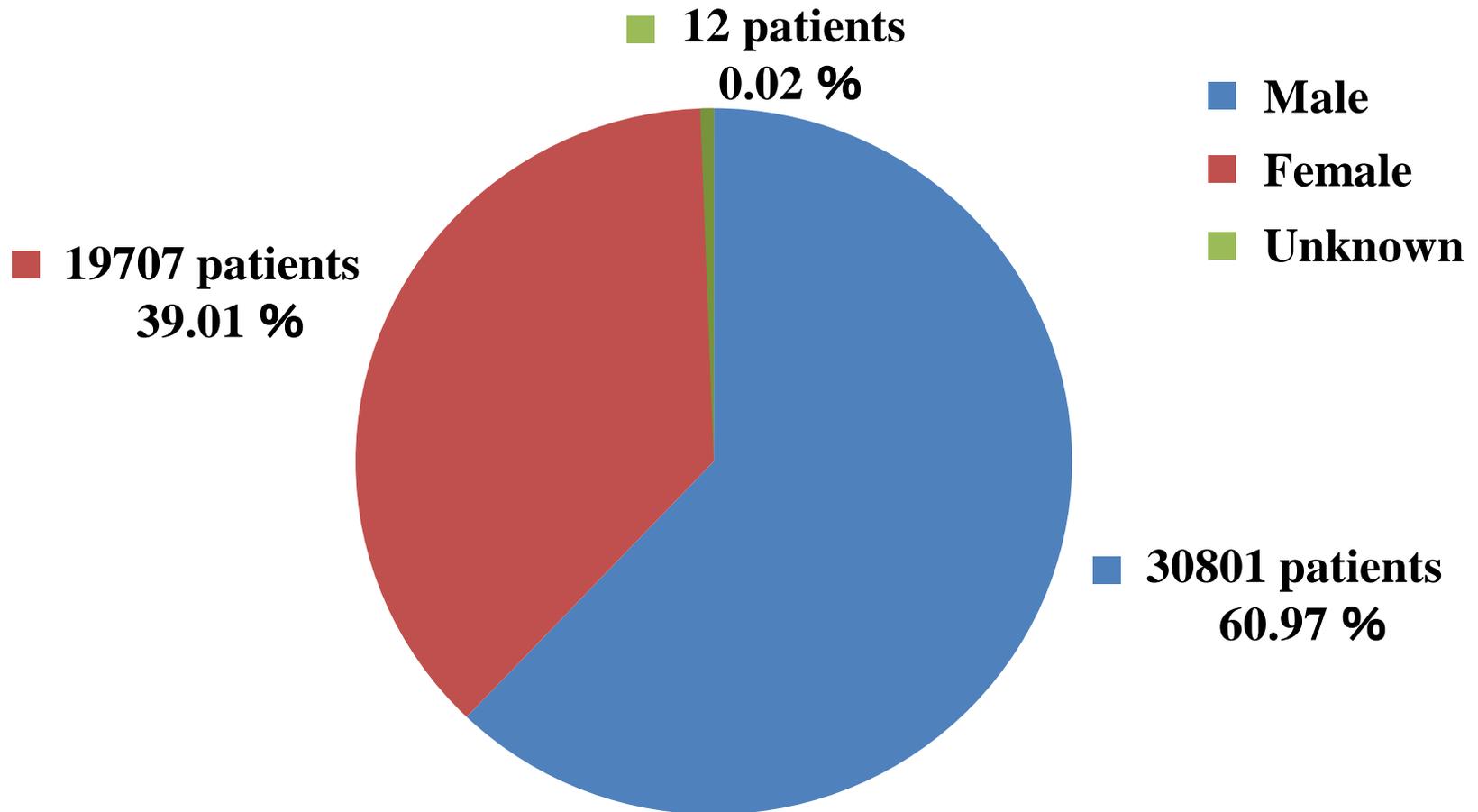
Figure
31**Gender proportion of Unintentional and Occupant**

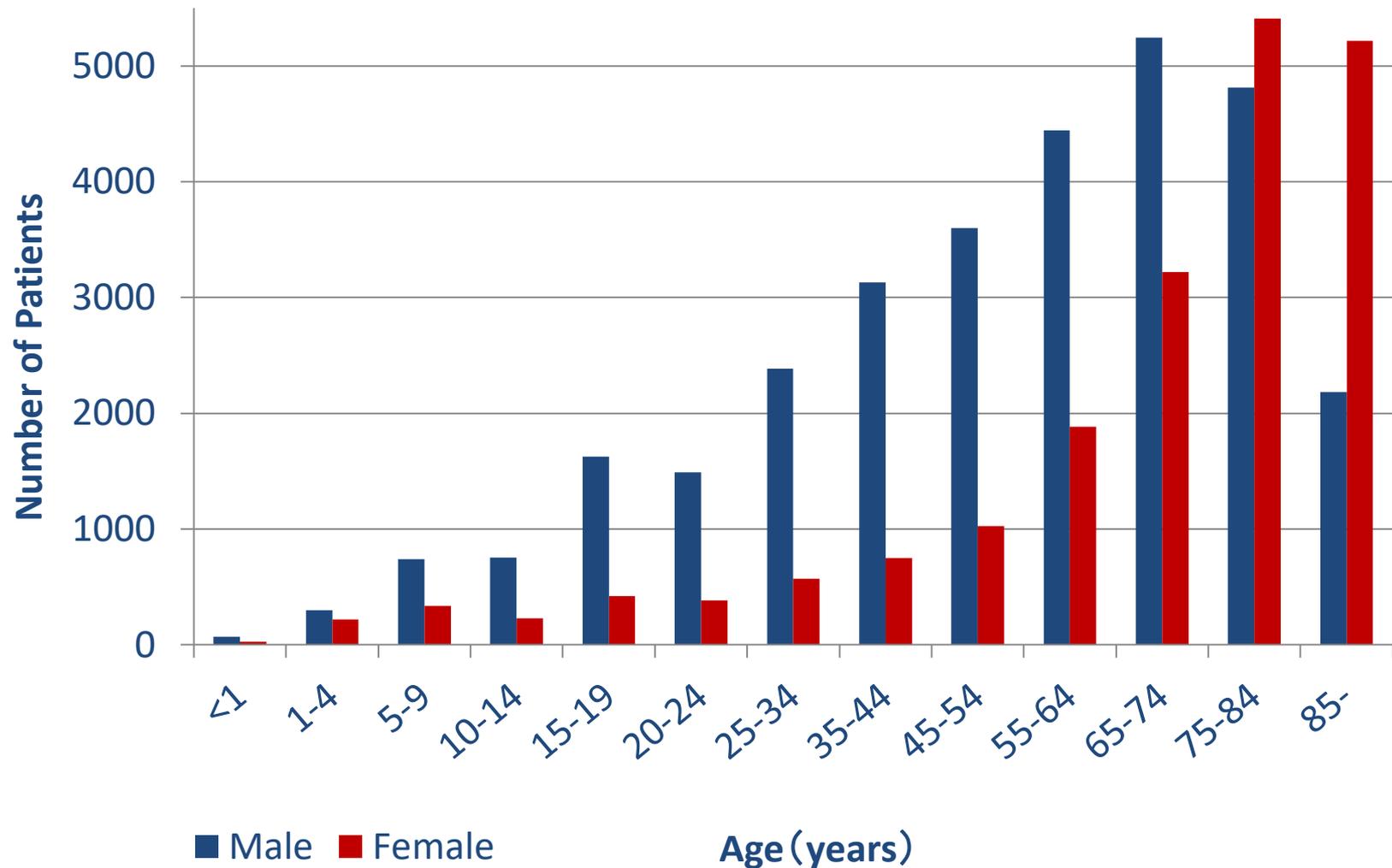
Figure
32**Unintentional and Occupant by Age and Gender**

Table
32**Unintentional and Occupant by Age and Gender**

Age	Male	Female	Total
< 1	68	29	97
1 - 4	300	221	521
5 - 9	740	335	1075
10-14	752	228	980
15-19	1627	422	2049
20-24	1489	384	1873
25-34	2386	572	2958
35-44	3130	748	3878
45-54	3598	1026	4624
55-64	4444	1883	6327
65-74	5246	3222	8468
75-84	4813	5408	10221
85-	2185	5215	7400
Unknown	23	14	37
Total	30801	19707	50508

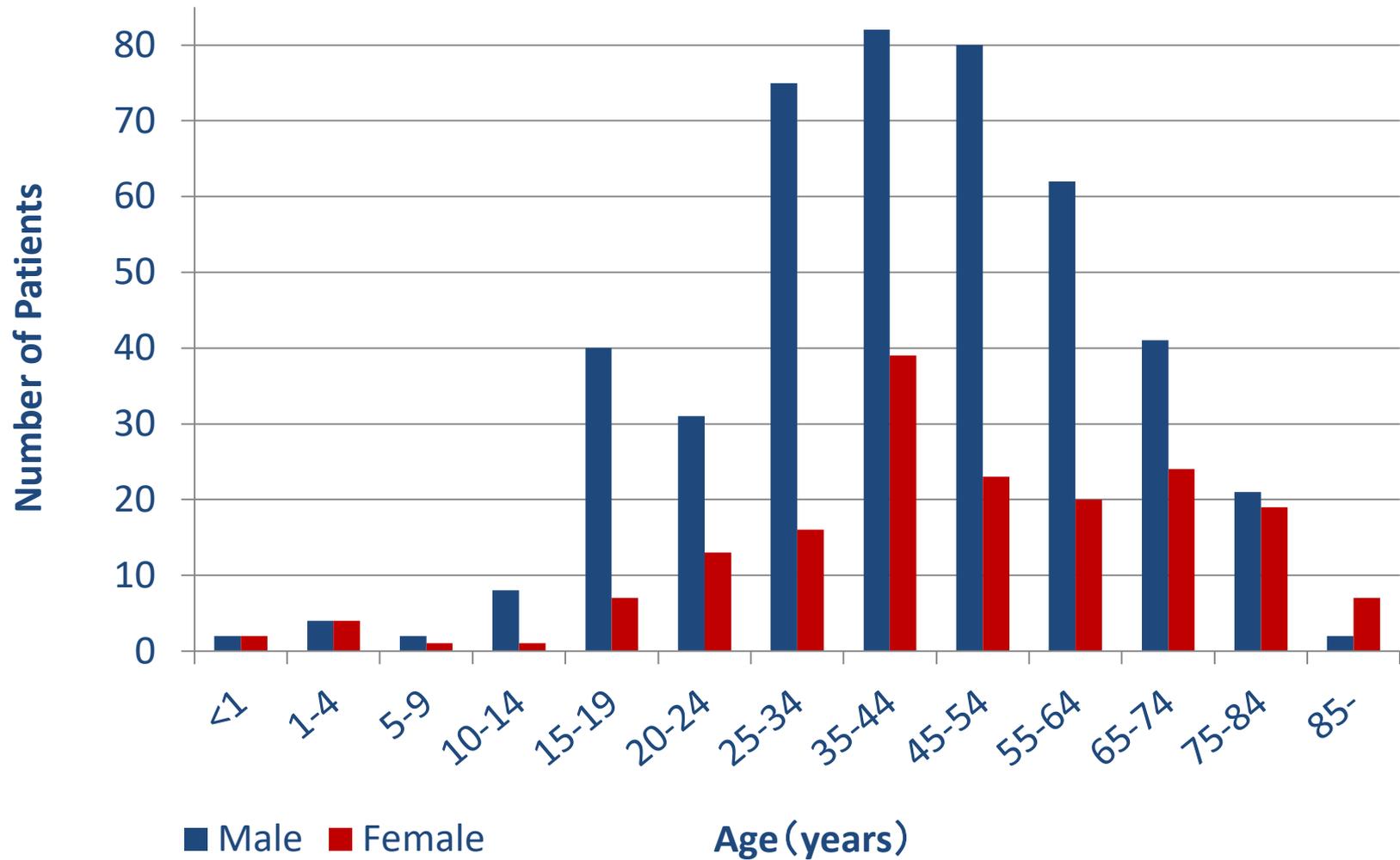
Figure
33**Assault by Age and Gender**

Table
33**Assault by Age and Gender**

Age	Male	Female	Total
< 1	2	2	4
1 - 4	4	4	8
5 - 9	2	1	3
10-14	8	1	9
15-19	40	7	47
20-24	31	13	44
25-34	75	16	91
35-44	82	39	121
45-54	80	23	103
55-64	62	20	82
65-74	41	24	65
75-84	21	19	40
85-	2	7	9
Unknown	2	0	2
Total	452	176	628

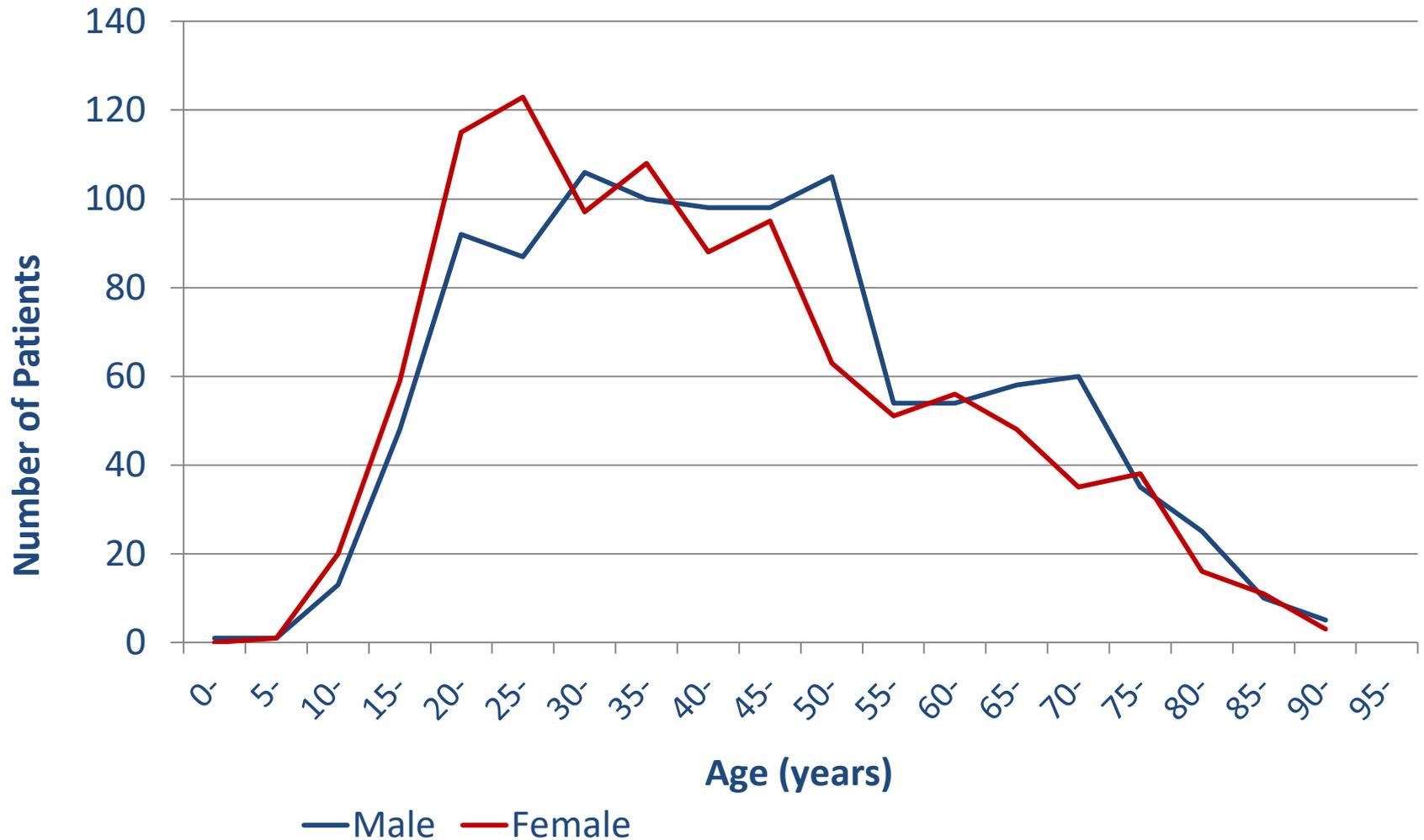
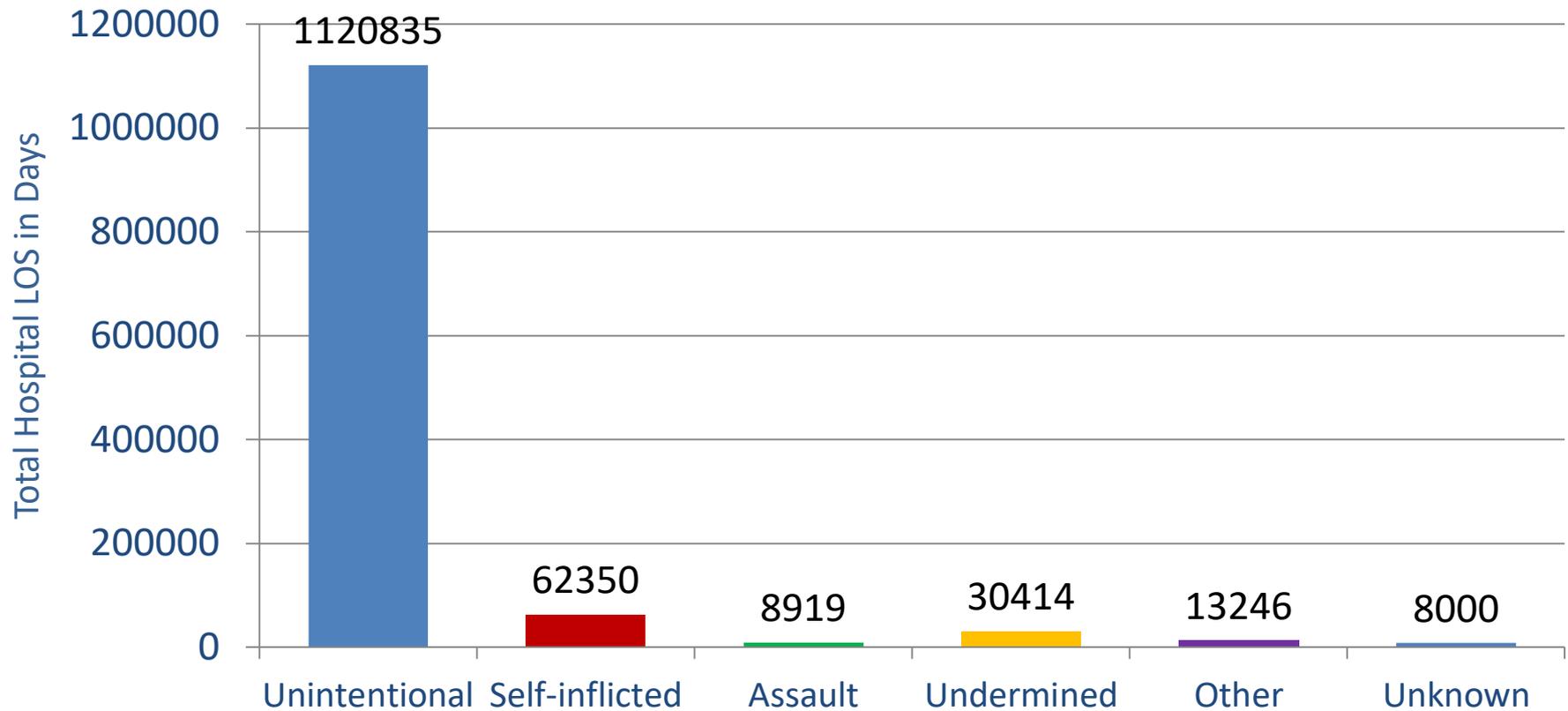
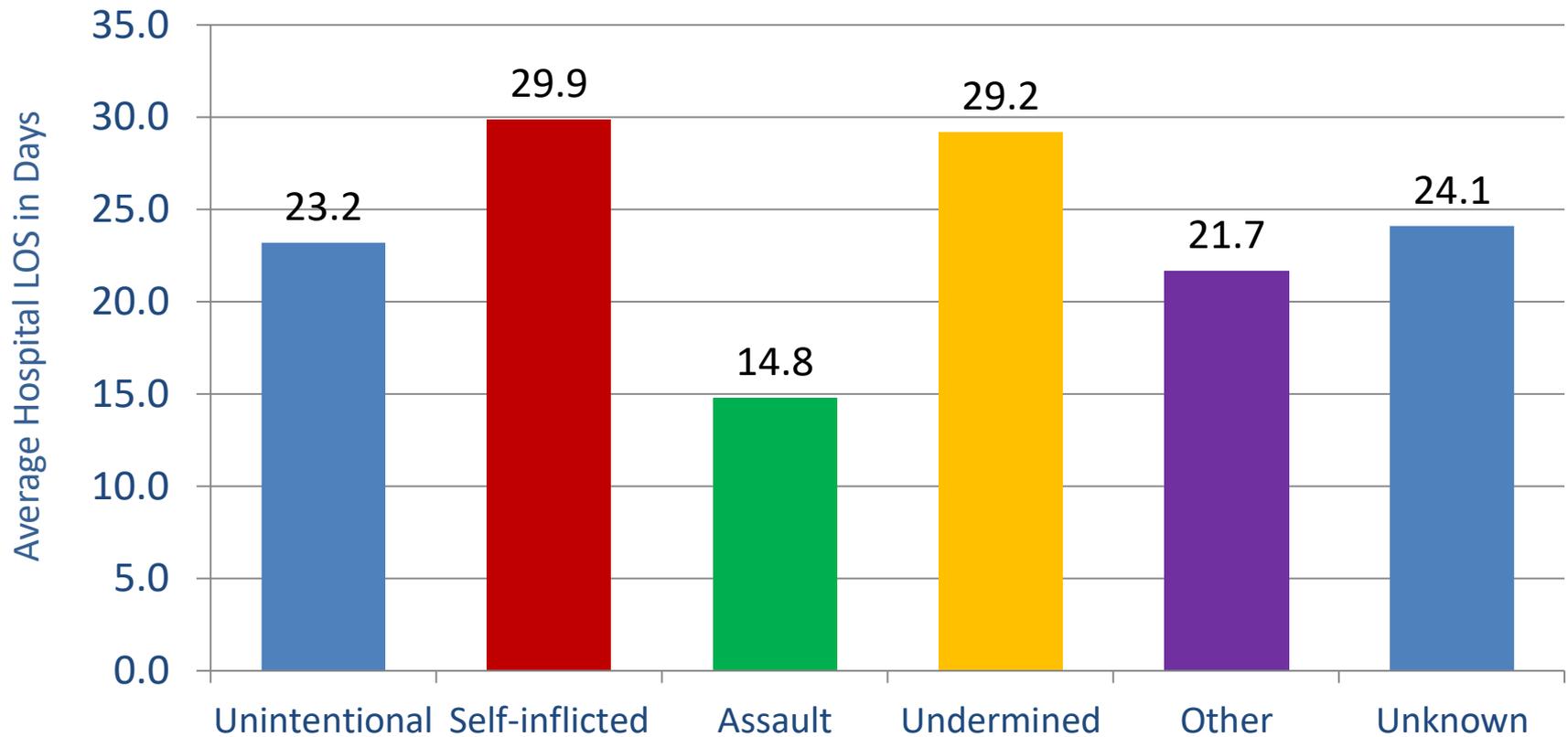
Figure
34**Self-inflicted by Age and Gender**

Table
34**Self-inflicted by Age and Gender**

Age Sex	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-	Unkn wn	Total
Female	0	1	20	59	115	123	97	108	88	95	63	51	56	48	35	38	16	11	3		2	1029
Male	1	1	13	48	92	87	106	100	98	98	105	54	54	58	60	35	25	10	5		2	1052
Total	1	2	33	107	207	210	213	208	186	193	168	105	110	106	95	73	41	21	8		4	2082

Figure
35A**Total Hospital LOS by Intent**

Industrial accident was included in the category of “Unintentional”.

Figure
35B**Average Hospital LOS by Intent**

Average hospital length of stay in days = total hospital length of stay divided by the number of patients by intent.

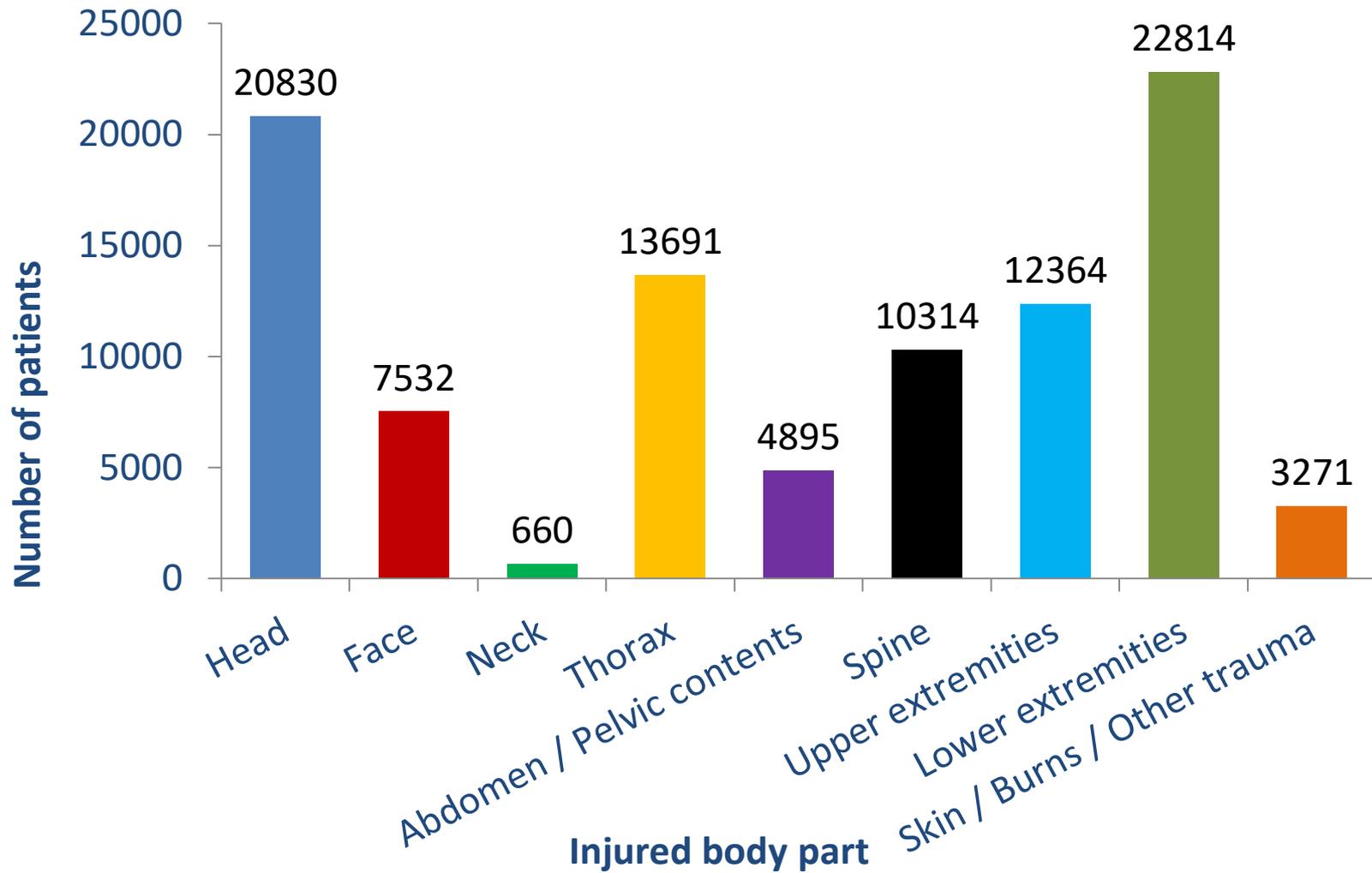
Figure
36**Number of patients with Injured Body Parts based on AIS**

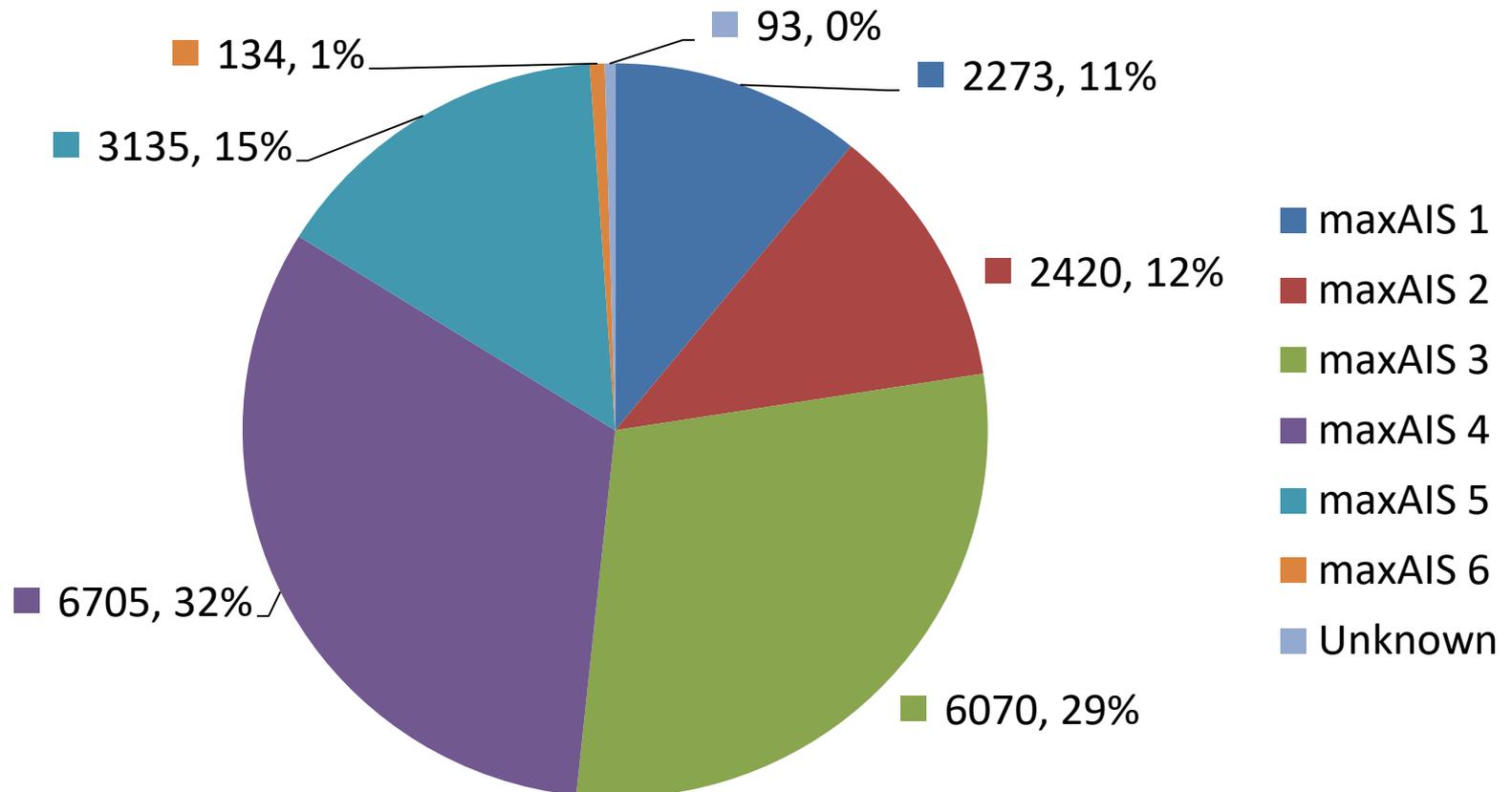
Figure
37A**Head Injury and max AIS Score**

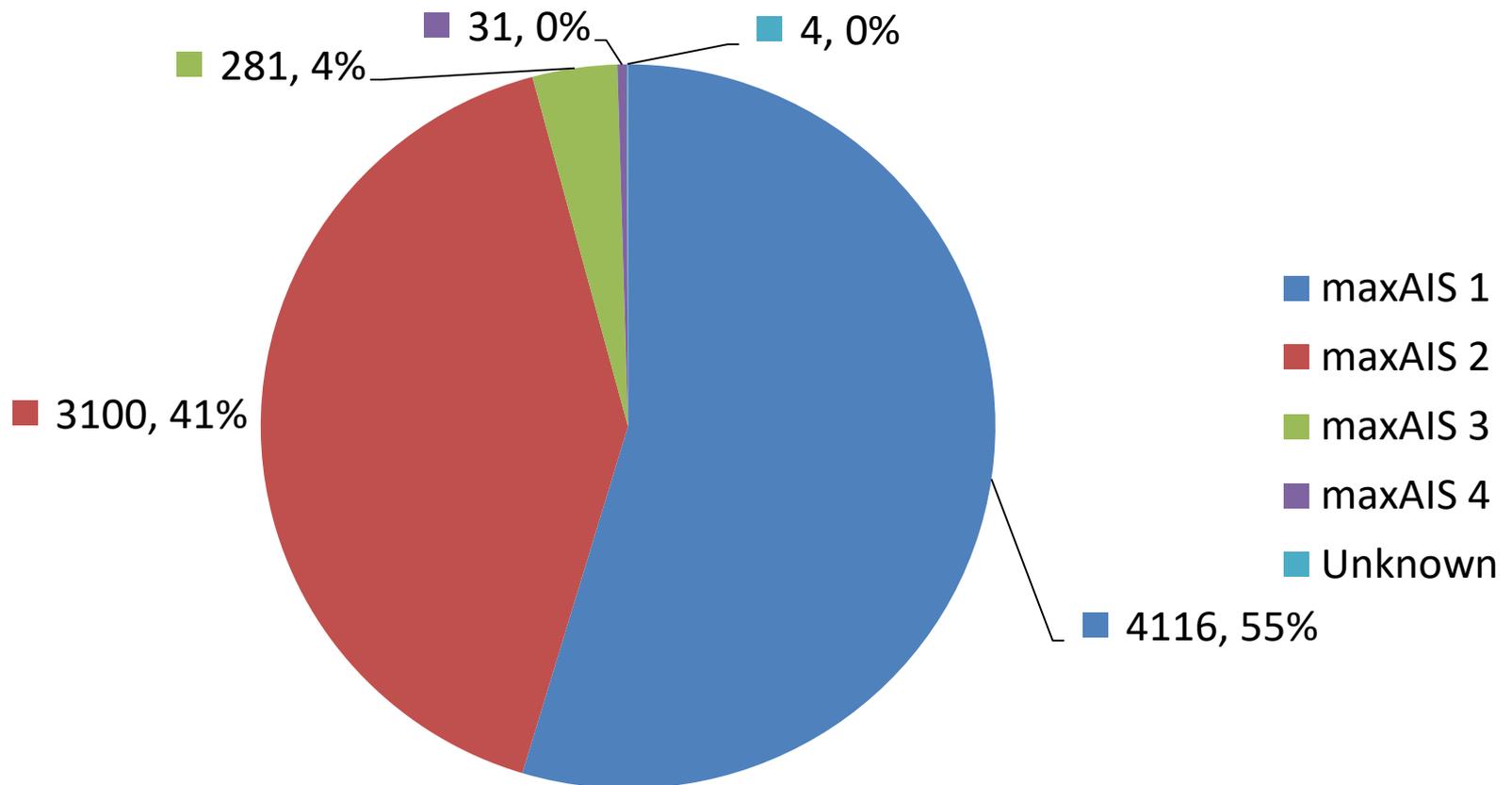
Figure
37B**Facial Injury and max AIS Score**

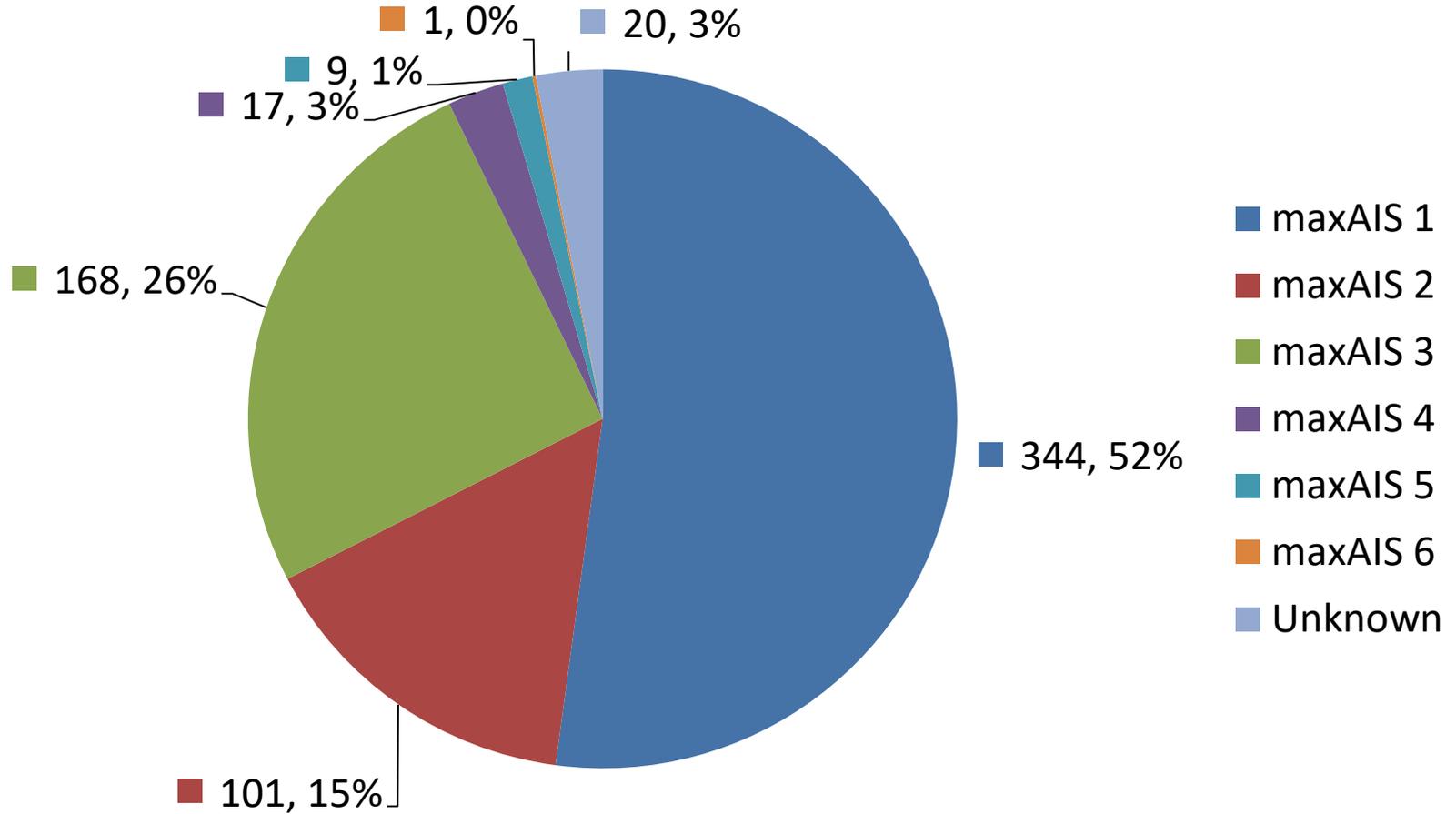
Figure
37C**Neck Injury and max AIS Score**

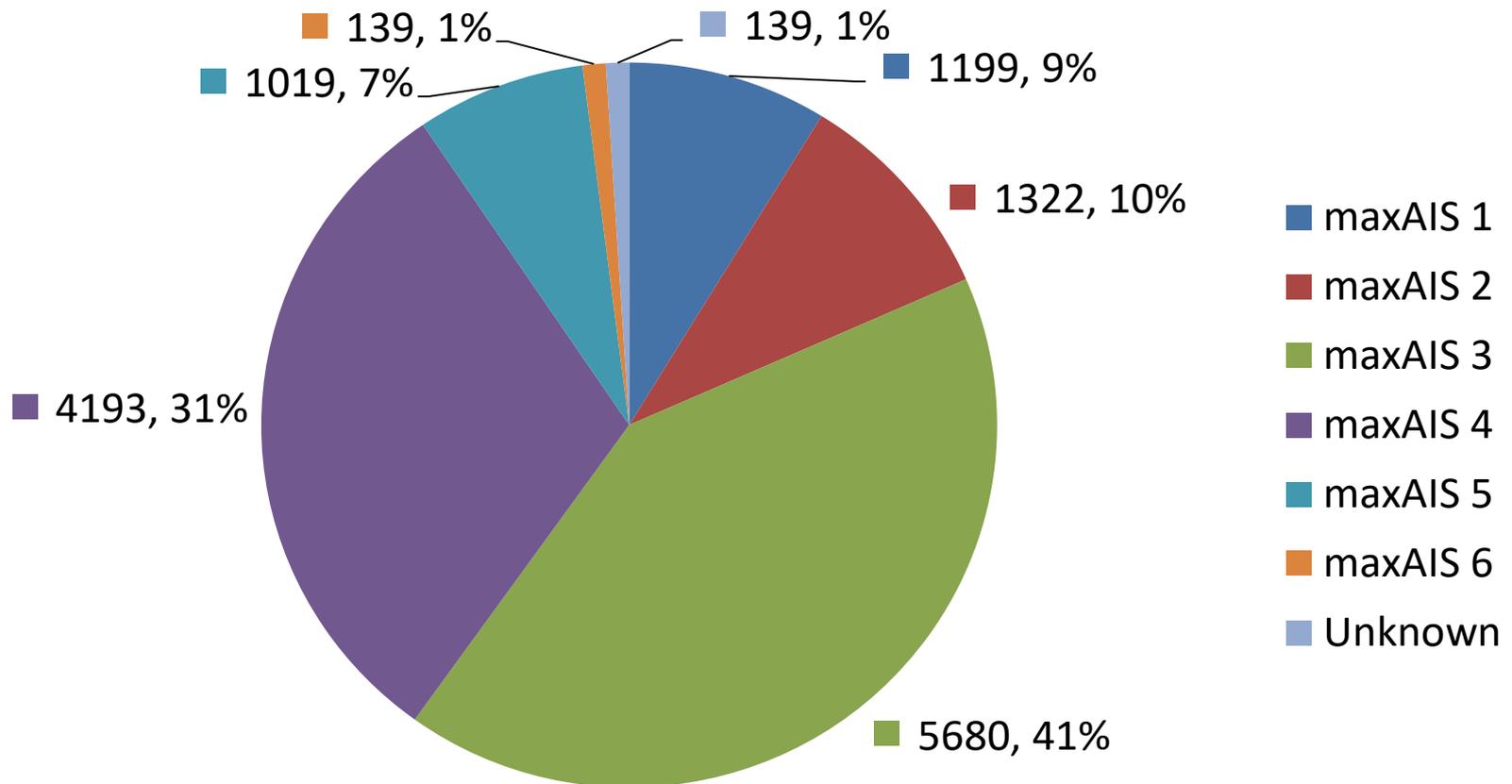
Figure
37D**Thoracic Injury and max AIS Score**

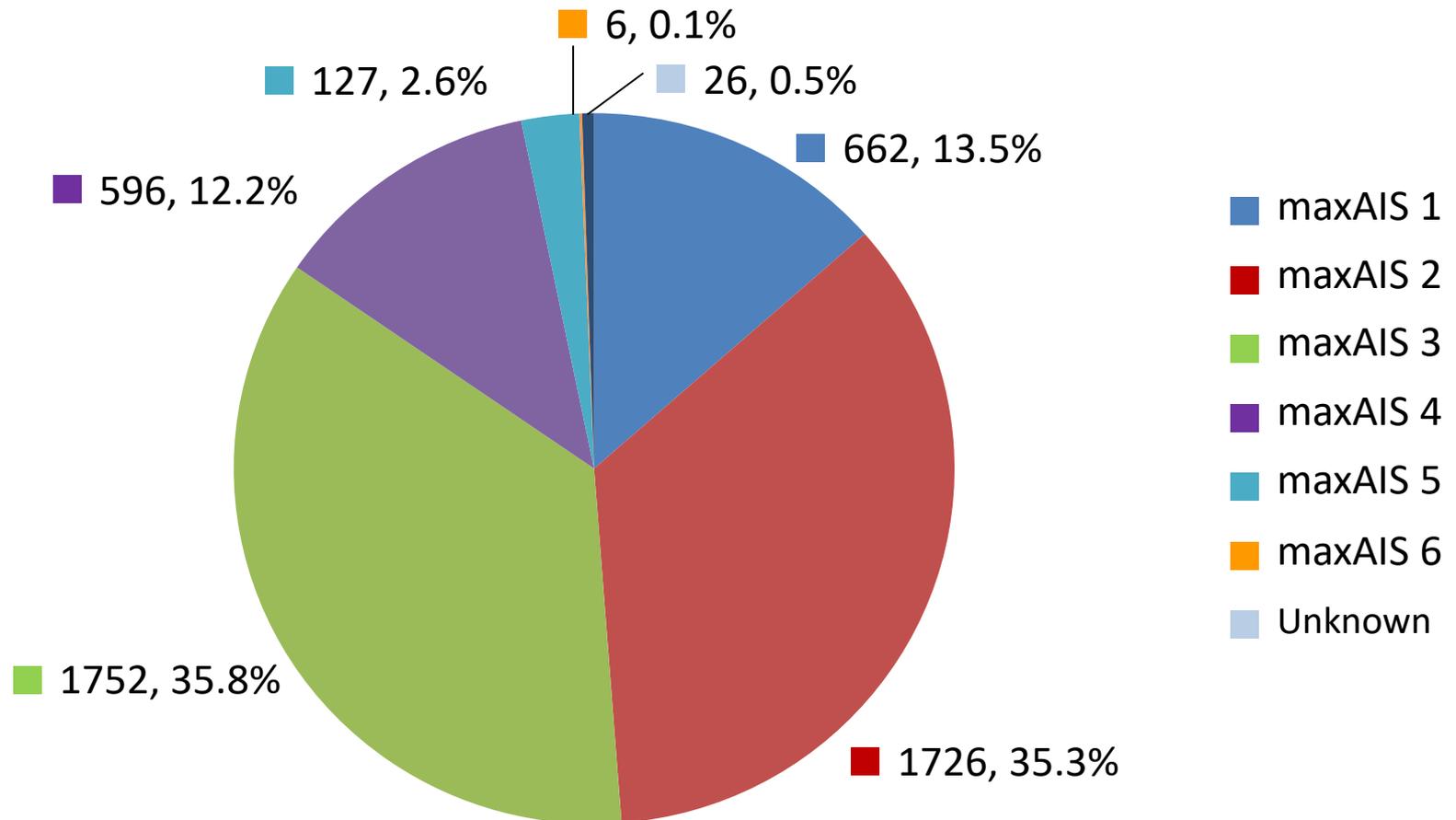
Figure
37E**Injury of Abdomen/Pelvic Contents and max AIS Score**

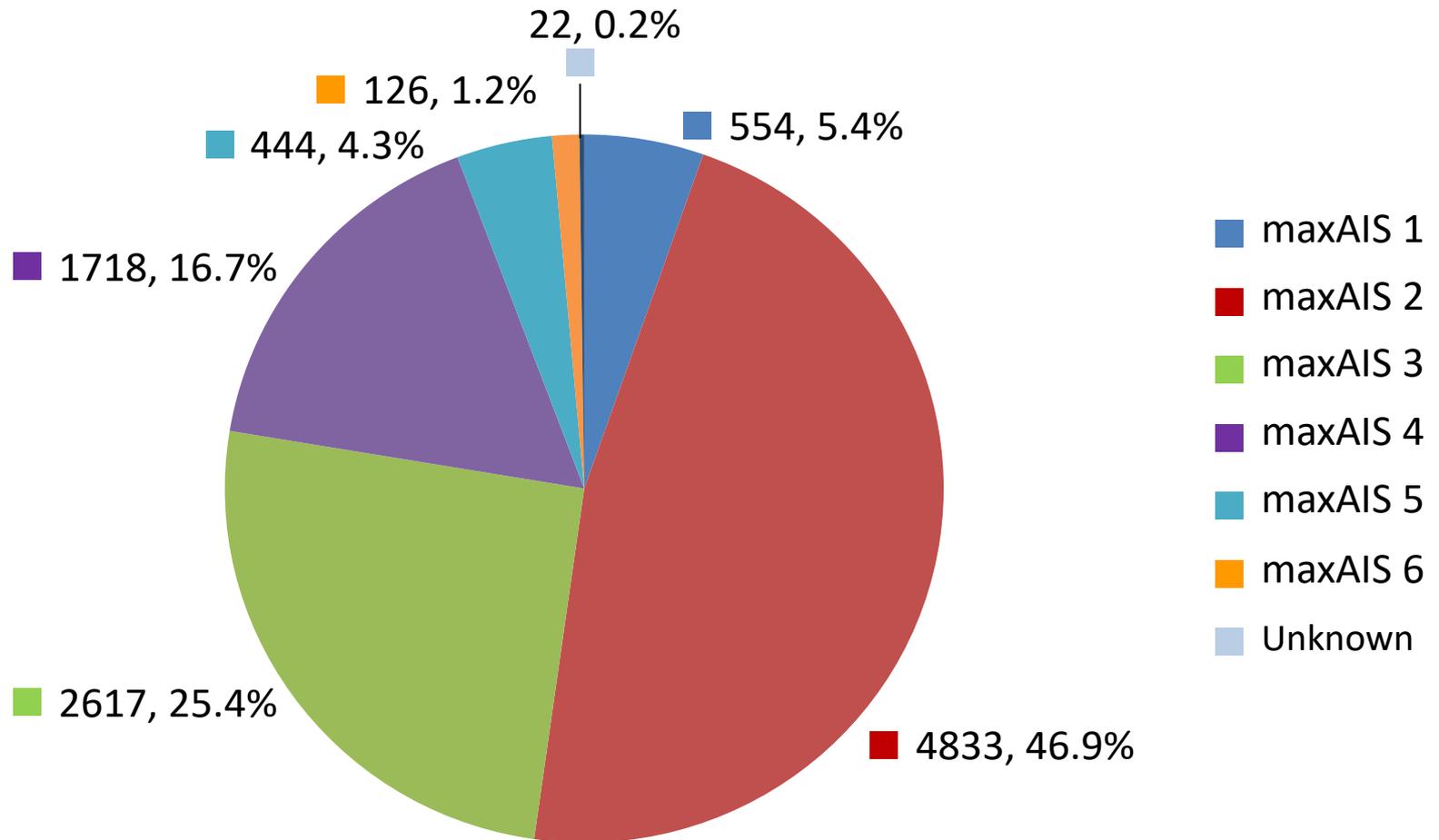
Figure
37F**Spinal Injury and max AIS Score**

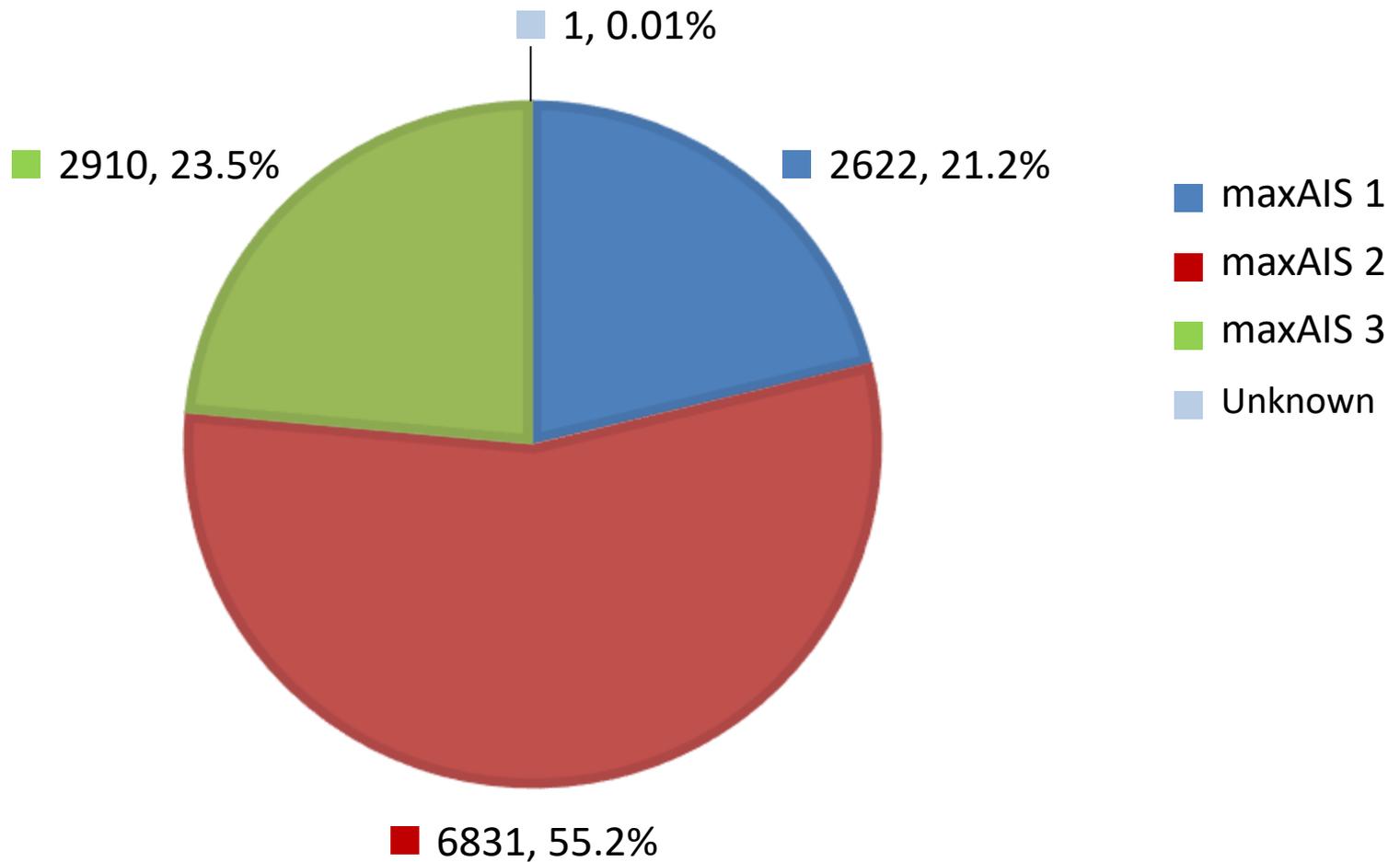
Figure
37G**Injury of Upper Extremities and max AIS Score**

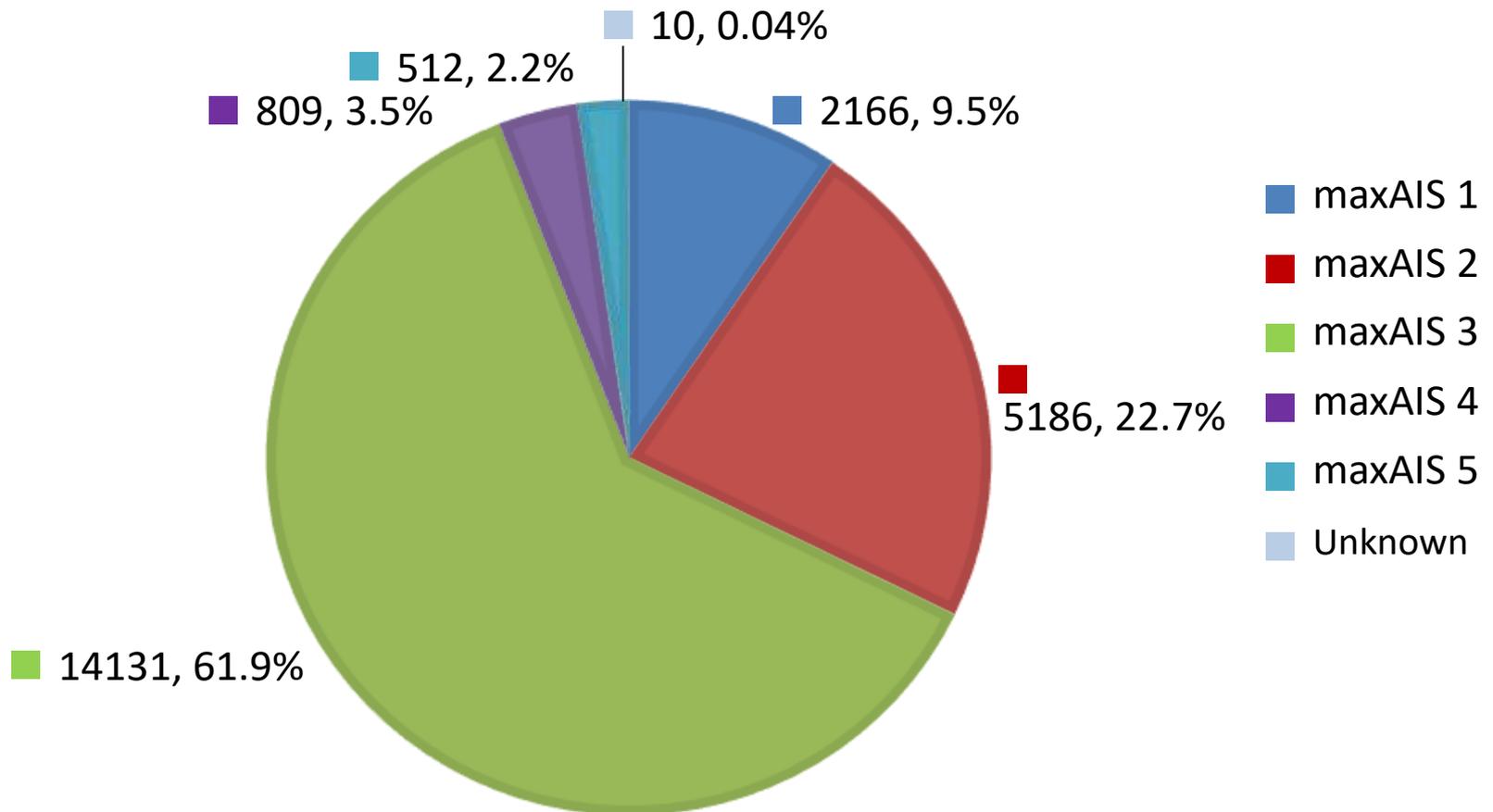
Figure
37H**Injury of Lower Extremities and max AIS Score**

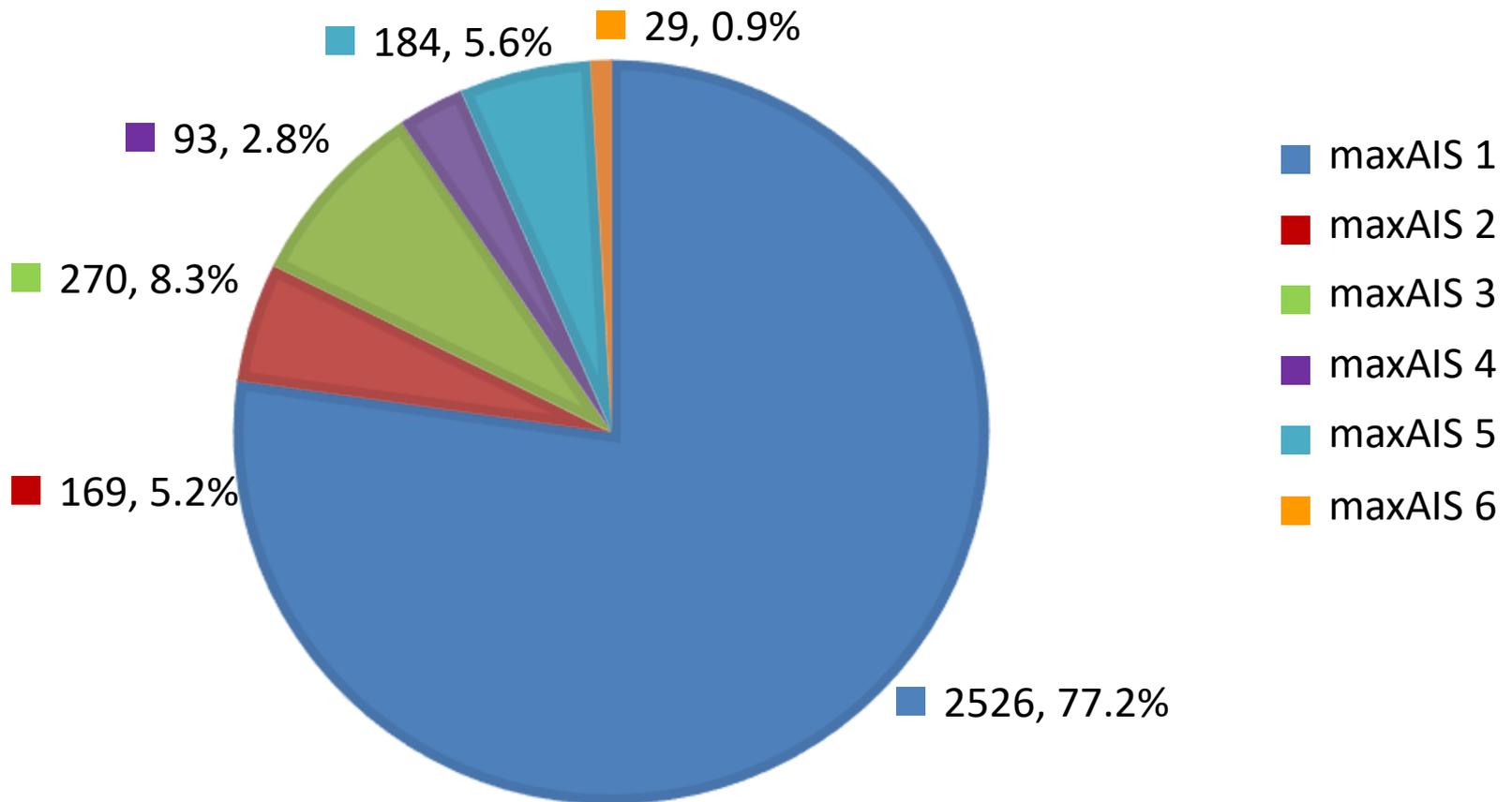
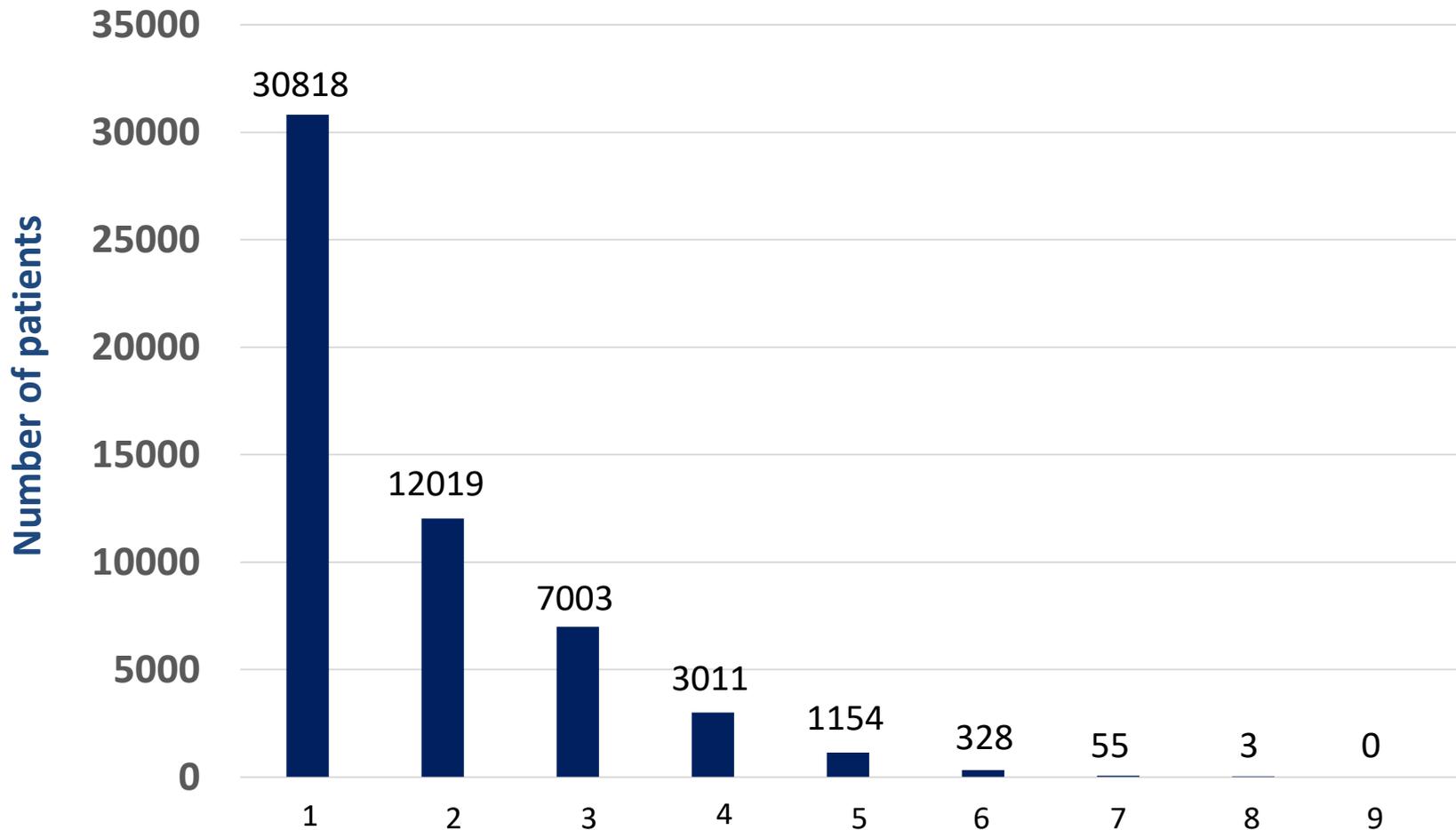
Figure
37I**Skin/Burns/Other Trauma and max AIS Score**

Figure
38**Number of Patients and Injured Body Parts based on AIS**

December 18, 2017

**JAPAN TRAUMA DATA BANK
REPORT 2017 (2012-2016)**



The Japanese Association for Acute Medicine

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Chairman: Naoto Morimura, MD



The Japanese Association for the Surgery of Trauma

Trustee: Tetsuya Sakamoto, MD

Chairman: Daizoh Saitoh, MD

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