

Table 95. Initial injury-related visits to hospital emergency departments, by sex, age, and intent and mechanism of injury: United States, average annual, selected years 2005-2006 through 2009-2010

(Data are based on reporting by a sample of hospital emergency departments)

Sex, age, and intent and mechanism of injury ¹	2005-2006	2007-2008	2009-2010	2005-2006	2007-2008	2009-2010
	Initial injury-related visits, in thousands			Initial injury-related visits per 10,000 persons		
Both sexes						
All ages, age-adjusted ^{2,3}	31,706	28,699	32,204	1,076.4	960.9	1,063.2
All ages, crude ²	31,706	28,699	32,204	1,068.6	951.3	1,049.7
Unintentional injuries ⁴	25,658	23,670	26,523	864.7	784.6	864.5
Falls.....	8,100	8,144	9,393	273.0	270.0	306.2
Struck by or against objects or persons.....	2,935	2,746	3,055	98.9	91.0	99.6
Motor vehicle traffic.....	3,714	3,387	3,622	125.2	112.3	118.1
Cut or pierce.....	2,145	1,944	1,829	72.3	64.4	59.6
Intentional injuries.....	1,977	1,888	2,418	66.6	62.6	78.8
Male						
All ages, age-adjusted ^{2,3}	16,966	15,332	17,124	1,166.1	1,039.7	1,143.0
All ages, crude ²	16,966	15,332	17,124	1,164.2	1,033.8	1,133.8
Unintentional injuries ⁴	13,736	12,611	14,083	942.5	850.3	932.4
Falls.....	3,685	3,581	4,285	252.9	241.4	283.7
Struck by or against objects or persons.....	1,833	1,771	1,931	125.8	119.4	127.8
Motor vehicle traffic.....	1,733	1,693	1,762	118.9	114.2	116.7
Cut or pierce.....	1,392	1,270	1,183	95.5	85.7	78.3
Intentional injuries.....	1,135	1,020	1,348	77.8	68.8	89.3
Under 18 years ²	5,072	4,602	5,403	1,346.6	1,216.8	1,416.3
Unintentional injuries ⁴	4,391	3,995	4,817	1,165.8	1,056.3	1,262.9
Falls.....	1,362	1,305	1,647	361.5	345.0	431.8
Struck by or against objects or persons.....	816	850	1,022	216.6	224.6	267.9
Motor vehicle traffic.....	357	265	309	94.8	70.0	81.0
Cut or pierce.....	291	264	248	77.3	69.8	64.9
Intentional injuries.....	190	198	173	50.4	52.2	45.3
18-24 years ²	2,552	2,305	2,516	1,729.5	1,547.4	1,630.1
Unintentional injuries ⁴	1,985	1,788	1,878	1,345.4	1,200.6	1,216.7
Falls.....	318	309	375	215.2	207.7	243.0
Struck by or against objects or persons.....	290	280	216	196.9	188.0	140.2
Motor vehicle traffic.....	386	366	406	261.6	245.8	263.2
Cut or pierce.....	265	190	187	179.5	127.8	121.4
Intentional injuries.....	273	308	389	185.2	206.9	252.2
25-44 years ²	5,199	4,471	4,719	1,243.6	1,072.7	1,140.9
Unintentional injuries ⁴	4,001	3,531	3,577	957.1	847.0	864.8
Falls.....	763	677	739	182.4	162.5	178.7
Struck by or against objects or persons.....	472	384	400	112.9	92.1	96.8
Motor vehicle traffic.....	629	638	585	150.5	153.0	141.5
Cut or pierce.....	480	426	380	114.8	102.2	91.9
Intentional injuries.....	436	350	586	104.4	83.9	141.6
45-64 years ²	2,842	2,707	3,071	790.0	718.3	788.7
Unintentional injuries ⁴	2,275	2,223	2,531	632.5	590.0	649.9
Falls.....	599	651	775	166.6	172.8	199.0
Struck by or against objects or persons.....	208	205	208	57.9	54.3	53.3
Motor vehicle traffic.....	262	331	334	72.9	87.9	85.9
Cut or pierce.....	285	309	297	79.2	81.9	76.2
Intentional injuries.....	205	145	180	57.1	38.4	46.2
65 years and over ²	1,301	1,247	1,415	837.5	768.6	824.7
Unintentional injuries ⁴	1,082	1,073	1,280	696.8	661.7	746.1
Falls.....	644	638	749	414.5	393.2	436.3
Struck by or against objects or persons.....	46	*52	84	29.8	*32.3	49.1
Motor vehicle traffic.....	98	93	127	63.4	57.4	74.1
Cut or pierce.....	70	81	71	45.3	50.0	41.1
Intentional injuries.....	*	*	*	*	*	*
Female						
All ages, age-adjusted ^{2,3}	14,740	13,367	15,080	980.5	874.2	976.8
All ages, crude ²	14,740	13,367	15,080	976.3	871.6	968.2
Unintentional injuries ⁴	11,922	11,060	12,439	789.7	721.1	798.6
Falls.....	4,415	4,564	5,109	292.4	297.6	328.0
Struck by or against objects or persons.....	1,102	976	1,124	73.0	63.6	72.2
Motor vehicle traffic.....	1,981	1,695	1,860	131.2	110.5	119.4
Cut or pierce.....	753	673	646	49.9	43.9	41.5
Intentional injuries.....	843	867	1,070	55.8	56.5	68.7
Under 18 years ²	3,625	3,062	3,645	1,008.7	848.2	1,001.6
Unintentional injuries ⁴	3,058	2,690	3,115	851.1	745.3	855.9
Falls.....	1,039	1,014	1,144	289.1	280.9	314.3
Struck by or against objects or persons.....	419	391	454	116.7	108.3	124.7
Motor vehicle traffic.....	367	282	285	102.1	78.2	78.3
Cut or pierce.....	160	145	139	44.4	40.1	38.2
Intentional injuries.....	188	163	207	52.3	45.1	56.8
18-24 years ²	1,882	1,698	1,854	1,329.3	1,186.5	1,259.9
Unintentional injuries ⁴	1,431	1,318	1,437	1,010.5	921.0	976.4
Falls.....	290	301	299	205.0	210.5	203.5
Struck by or against objects or persons.....	146	106	135	103.4	74.0	91.6
Motor vehicle traffic.....	397	378	426	280.6	264.5	289.8
Cut or pierce.....	116	89	*81	82.2	61.9	*55.1
Intentional injuries.....	176	209	262	124.2	145.8	177.9

25-44 years ²	4,173	3,733	4,152	1,004.2	905.4	1,016.6
Unintentional injuries ⁴	3,266	2,865	3,244	785.8	694.7	794.2
Falls.....	873	900	986	210.1	218.2	241.4
Struck by or against objects or persons.....	309	216	250	74.3	52.4	61.2
Motor vehicle traffic.....	719	572	612	173.1	138.8	149.9
Cut or pierce.....	269	214	230	64.7	51.8	56.4
Intentional injuries.....	313	345	396	75.4	83.6	96.9
45-64 years ²	2,904	2,681	3,106	767.8	677.5	759.3
Unintentional injuries ⁴	2,278	2,209	2,536	602.2	558.3	619.9
Falls.....	865	886	1,067	228.7	223.9	260.8
Struck by or against objects or persons.....	160	171	205	42.2	43.2	50.0
Motor vehicle traffic.....	359	345	403	94.8	87.3	98.4
Cut or pierce.....	158	163	159	41.7	41.1	38.8
Intentional injuries.....	149	130	184	39.4	32.9	45.0
65 years and over ²	2,155	2,193	2,322	1,002.9	989.9	1,014.2
Unintentional injuries ⁴	1,889	1,978	2,108	879.1	892.5	920.4
Falls.....	1,347	1,463	1,612	626.9	660.1	704.1
Struck by or against objects or persons.....	69	91	81	31.9	41.2	35.5
Motor vehicle traffic.....	139	116	134	64.5	52.5	58.3
Cut or pierce.....	*50	*64	*37	*23.3	*28.8	*16.3
Intentional injuries.....	*	*	*	*	*	*

*Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%-30%. Data not shown have an RSE greater than 30%.

¹Intent and mechanism of injury are based on the first-listed external cause of injury code (E code). Intentional injuries include suicide attempts and assaults. See Appendix II, External cause of injury; Injury; Injury-related visit; Table IX for a listing of E codes.

²Includes all injury-related visits not shown separately in table, including those with undetermined intent (2% in 2009-2010) and insufficient or no information to code cause of injury (9% in 2009-2010).

³Rates are age-adjusted to the year 2000 standard population using six age groups: under 18 years, 18-24 years, 25-44 years, 45-64 years, 65-74 years, and 75 years and over. See Appendix II, Age adjustment.

⁴Includes unintentional injury-related visits with mechanism of injury not shown in table.

NOTES: An emergency department visit was considered injury related if the first-listed diagnosis was injury related (ICD-9-CM 800-909.2, 909.4, 909.9-994.9, 995.50-995.59, and 995.80-995.85) or the first-listed external cause code (E code) was injury related (ICD-9-CM E800-E869, E880-E929, and E950-E999).

See: http://www.cdc.gov/nchs/injury/injury_tools.htm for code used to classify injury-related visits in this table.

Visits with a first-listed diagnosis or first-listed E code describing a complication or adverse effect of medical care were not considered injury related.

For more information on injury-related visits, see Bergen G, Chen LH, Warner M, Fingerhut LA. Injury in the United States: 2007 Chartbook. Hyattsville, MD: NCHS. 2008.

Available from: <http://www.cdc.gov/nchs/data/misc/injury2007.pdf>.

Estimates for first-listed injury-related visits were further limited to those visits that were initial visits for the injury. This was determined using an imputed variable in 2005-2006: for 2007 and beyond this was determined by using the initial visit episode of care information collected on the questionnaire.

Limiting the estimates to initial visits decreases the total number of injury-related visits by 9% in 2005-2006, 14% in 2007-2008, 12% in 2008-2009 (shown in spreadsheet version), and 10% in 2009-2010.

Rates were calculated using estimates of the civilian population of the United States including institutionalized persons.

The population estimates used are the same used for rates calculated for the National Hospital Discharge Survey.

Population data are from unpublished tabulations provided by the U.S. Census Bureau.

Rates prior to 2001 were calculated using population estimates based on the 1990 census.

Rates for 2005 and beyond were calculated using postcensal population estimates based on the 2000 census.

Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Hospital Ambulatory Medical Care Survey. See Appendix I, National Hospital Ambulatory Medical Care Survey (NHAMCS).

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