

Table 90. Injury-related visits to hospital emergency departments, by sex, age, and intent and mechanism of injury: United States, average annual 1995-1996, 1999-2000, and 2007-2008

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

Sex, age, and intent and mechanism of injury <sup>1</sup>	1995-1996	1999-2000	2007-2008 <sup>2</sup>	1995-1996	1999-2000	2007-2008 <sup>2</sup>
Both sexes	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>3,4</sup> .....	33,191	35,316	28,699	1,231.9	1,266.6	960.9
<b>Male</b>						
All ages <sup>3,4</sup> .....	18,788	19,596	15,332	1,406.5	1,423.4	1,039.7
Under 18 years <sup>3</sup> .....	5,985	6,020	4,602	1,644.9	1,624.4	1,216.8
Unintentional injuries <sup>5</sup> .....	5,432	5,421	3,995	1,492.9	1,462.8	1,056.3
Falls.....	1,402	1,303	1,305	385.2	351.6	345.0
Struck by or against objects or persons..	1,011	1,377	850	277.9	371.5	224.6
Motor vehicle traffic.....	450	432	265	123.7	116.6	70.0
Cut or pierce.....	493	455	264	135.6	122.8	69.8
Intentional injuries.....	290	242	198	79.7	65.4	52.2
18-24 years <sup>3</sup> .....	2,882	2,927	2,305	2,259.7	2,177.6	1,547.4
Unintentional injuries <sup>5</sup> .....	2,419	2,404	1,788	1,896.7	1,788.5	1,200.6
Falls.....	299	307	309	234.8	228.1	207.7
Struck by or against objects or persons..	387	401	280	303.2	298.2	188.0
Motor vehicle traffic.....	347	469	366	272.4	348.6	245.8
Cut or pierce.....	304	394	190	238.7	293.0	127.8
Intentional injuries.....	335	322	308	262.4	239.8	206.9
25-44 years <sup>3</sup> .....	6,794	6,688	4,471	1,622.3	1,604.1	1,072.7
Unintentional injuries <sup>5</sup> .....	5,720	5,503	3,531	1,365.7	1,320.0	847.0
Falls.....	817	850	677	195.2	204.0	162.5
Struck by or against objects or persons..	619	781	384	147.8	187.3	92.1
Motor vehicle traffic.....	909	848	638	217.0	203.3	153.0
Cut or pierce.....	860	762	426	205.3	182.8	102.2
Intentional injuries.....	697	511	350	166.4	122.5	83.9
45-64 years <sup>3</sup> .....	2,034	2,634	2,707	795.1	893.1	718.3
Unintentional injuries <sup>5</sup> .....	1,821	2,315	2,223	711.9	785.1	590.0
Falls.....	445	582	651	174.1	197.4	172.8
Struck by or against objects or persons..	186	232	205	72.6	78.8	54.3
Motor vehicle traffic.....	244	316	331	95.5	107.1	87.9
Cut or pierce.....	203	294	309	79.2	99.6	81.9
Intentional injuries.....	86	99	145	33.5	33.5	38.4
65 years and over <sup>3</sup> .....	1,093	1,327	1,247	797.1	925.2	768.6
Unintentional injuries <sup>5</sup> .....	1,004	1,203	1,073	732.1	838.2	661.7
Falls.....	505	579	638	368.3	403.2	393.2
Struck by or against objects or persons..	*39	*112	*52	*28.4	*77.8	*32.3
Motor vehicle traffic.....	99	*114	93	72.2	*79.6	57.4
Cut or pierce.....	*81	102	81	*59.1	71.3	50.0
Intentional injuries.....	*	*	*	*	*	*
<b>Female</b>						
All ages <sup>3,4</sup> .....	14,403	15,720	13,367	1,050.5	1,104.7	874.2
Under 18 years <sup>3</sup> .....	4,097	4,095	3,062	1,183.2	1,161.0	848.2
Unintentional injuries <sup>5</sup> .....	3,741	3,713	2,690	1,080.3	1,052.7	745.3
Falls.....	1,040	1,025	1,014	300.3	290.7	280.9
Struck by or against objects or persons..	477	728	391	137.7	206.5	108.3
Motor vehicle traffic.....	447	430	282	129.1	122.0	78.2
Cut or pierce.....	253	232	145	72.9	65.7	40.1
Intentional injuries.....	220	149	163	63.5	42.3	45.1
18-24 years <sup>3</sup> .....	1,721	1,957	1,698	1,376.8	1,487.5	1,186.5

Unintentional injuries <sup>5</sup> .....	1,405	1,564	1,318	1,123.4	1,189.1	921.0
Falls.....	268	234	301	214.0	177.9	210.5
Struck by or against objects or persons..	134	170	106	107.1	129.5	74.0
Motor vehicle traffic.....	373	469	378	298.0	356.8	264.5
Cut or pierce.....	131	156	89	105.0	118.2	61.9
Intentional injuries.....	239	219	209	191.2	166.7	145.8
25-44 years <sup>3</sup> .....	4,515	4,900	3,733	1,064.5	1,159.6	905.4
Unintentional injuries <sup>5</sup> .....	3,845	3,951	2,865	906.6	935.0	694.7
Falls.....	817	947	900	192.7	224.1	218.2
Struck by or against objects or persons..	380	382	216	89.5	90.5	52.4
Motor vehicle traffic.....	871	788	572	205.3	186.4	138.8
Cut or pierce.....	338	434	214	79.6	102.6	51.8
Intentional injuries.....	418	425	345	98.6	100.7	83.6
45-64 years <sup>3</sup> .....	2,025	2,569	2,681	744.2	822.2	677.5
Unintentional injuries <sup>5</sup> .....	1,810	2,168	2,209	665.2	693.9	558.3
Falls.....	600	749	886	220.7	239.9	223.9
Struck by or against objects or persons..	159	192	171	58.4	61.4	43.2
Motor vehicle traffic.....	343	324	345	126.0	103.7	87.3
Cut or pierce.....	127	175	163	46.7	55.9	41.1
Intentional injuries.....	*64	125	130	*23.4	40.0	32.9
65 years and over <sup>3</sup> .....	2,045	2,199	2,193	1,039.0	1,082.7	989.9
Unintentional injuries <sup>5</sup> .....	1,900	2,005	1,978	965.5	986.9	892.5
Falls.....	1,220	1,219	1,463	619.7	600.2	660.1
Struck by or against objects or persons..	82	103	91	41.9	50.5	41.2
Motor vehicle traffic.....	169	132	116	85.7	65.1	52.5
Cut or pierce.....	*42	72	*64	*21.2	*35.3	*28.8
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 of greater than 30%.

<sup>1</sup>Intent 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-related visit; and Table X for a listing of E codes.

<sup>2</sup>Estimates for 2005-2006 (available in the spreadsheet version) and 2007-2008 were limited to those visits that were initial visits for the condition. This was determined using an imputed variable indicating that the visit was or was not the initial visit in 2005 and 2006, and in 2007 and 2008 this was determined by using the initial visit data collected on the questionnaire. Limiting the estimates to initial visits decreases the total number of injury-related visits by 12% in 2006-2007. No similar variable indicating initial visits was available for 1995-1996 or 1999-2000 data. Therefore, estimates for 2005 and beyond are not directly comparable with 1995-1996 and 1999-2000 estimates.

<sup>3</sup>Includes all injury-related visits not shown separately in table including those with undetermined intent (1.2% in 2007-2008) and insufficient or no information to code cause of injury (9.8% in 2007-2008).

<sup>4</sup>Rates 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.

<sup>5</sup>Includes unintentional injury-related visits with mechanism of injury not shown in table.

NOTES: An emergency department visit was considered injury related if the physician's 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 an external cause of injury code was present (ICD-9-CM E800-E869, E880-E929, and E950-E999). For visits with both an ICD and E code present on the record, both variables had to be injury-related for the visit to be considered injury-related.

Visits with a first-listed diagnosis or external cause code describing a complication or adverse effect of medical care are excluded.

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>.

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.

**Health, United States 2009 Web Update**