

Table 9B.6.2: Musculoskeletal Injury Health Care Visits for Persons Age 18 and Over, by Age, United States

HEALTH CARE VISITS	Hospital Discharges, 2011 [1]					Emergency Department Visits, 2010 [2]				
	45-64	65-74	75-84	85 & over	Total	45-64	65-74	75-84	85 & over	Total
Musculoskeletal Injuries by Cause										
Fall	41.5%	57.9%	69.8%	77.5%	47.1%	35.2%	51.6%	65.9%	75.6%	31.3%
Trauma [3]	30.8%	17.6%	11.6%	8.2%	27.1%	50.9%	37.4%	24.1%	15.6%	53.5%
Other Causes [4]	27.7%	24.6%	18.5%	14.4%	25.7%	13.8%	11.0%	10.0%	8.8%	15.1%
Total Injury/Poisoning Episodes (in 000s)	408.2	236.7	335.1	338.8	2,506.3	3,967.5	1,066.1	1,027.2	820.1	26,638.3
Type of Musculoskeletal Injury										
Fracture	172.1	248.7	150.5	476.6	1,048.9	1,116.7	934.7	335.5	707.6	3,094.8
Dislocation	14.9	14.3	5.6	8.0	42.9	217.4	94.7	26.3	30.1	368.4
Sprains & Strains	22.7	31.2	15.9	27.3	97.2	2,128.0	914.4	170.5	170.0	3,383.1
Contusion	34.0	49.2	32.5	105.8	221.6	2,146.1	1,103.1	304.8	547.3	4,101.8
Open Wounds	88.9	56.0	20.7	56.4	222.2	1,773.0	793.0	197.6	303.1	3,066.8
All Other Musculoskeletal Injuries (5)	51.8	69.4	35.5	61.3	218.4	1,260.5	630.8	181.0	347.4	2,420.1
All Musculoskeletal Injuries	314.2	411.1	209.9	637.8	1,630.6	7,796.4	3,967.5	1,066.1	1,847.2	14,678.7
Rate Per 100 Patient Visits	3.3	4.2	4.4	8.0	4.4	14.9	13.6	12.0	14.0	17.0
Diagnoses Per 100 U.S. Population [6]	0.3	0.5	1.1	3.6	0.6	6.9	4.9	4.9	9.9	6.1
% of Injuries By Demographic Group	19%	25%	13%	39%		53%	27%	7%	13%	

MEAN LENGTH HOSPITAL STAY AND AVERAGE PATIENT CHARGES [7]

	Age at Admission					Total
	18-44	45-64	65-74	75-84	85+	
Fractures						
Total Hospital Diagnoses (in 000s)	172.1	248.7	150.5	229.7	246.9	1094.4
Proportion of Age Group Hospital Discharges	1.8%	2.6%	2.8%	4.5%	7.5%	2.8%
Average LOS (in days), 2011	5.3	5.6	5.5	5.4	5.4	5.4
Average Total Hospital Charges (in 000 \$s)	\$70.7	\$60.0	\$54.3	\$42.5	\$44.1	\$54.4
Total Hospital Charges (in 000 \$s)	\$12,172.6	\$14,909.6	\$8,176.7	\$9,762.3	\$10,888.3	\$59,515.7
All Musculoskeletal Injuries						
Total Hospital Diagnoses (in 000s)	310.3	408.2	236.7	335.1	338.8	1,707.0
Proportion of Age Group Hospital Discharges	3.3%	4.2%	4.4%	6.5%	10.3%	4.4%
Average LOS (in days), 2011	4.9	5.5	5.5	5.6	5.4	5.3
Average Total Hospital Charges (in 000 \$s)	\$55.3	\$53.0	\$50.7	\$46.2	\$40.8	\$48.7
Total Hospital Charges (in 000 \$s)	\$17,168.9	\$21,650.9	\$11,996.0	\$15,488.3	\$13,822.0	\$83,149.7

[1] Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2011. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nisoverview.jsp

[2] Source: HCUP Nationwide Emergency Department Sample (NEDS). Healthcare Cost and Utilization Project (HCUP). 2010. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/

[3] Includes vehicular accidents (auto, train, boat, plane, motorcycle), machinery, moving objects, and other types of traumatic injury.

[4] Includes military injuries, sports injuries, poisonings, and other causes.

[5] Includes derangement, crushing injuries, open wounds, traumatic amputation, and late effect of musculoskeletal injuries.

[6] Adjusted to 2010 U.S. Census Population Estimates. There is the potential for multiple diagnoses per person which is not accounted for.

[7] Generally, total charges in the HCUP databases do not include professional fees and non-covered charges. If the source provides total charges with professional fees, then the professional fees are removed from the charge during HCUP processing. In a small number of HCUP databases, professional fees cannot be removed from total charges because the data source cannot provide the information. Emergency department charges incurred prior to admission to the hospital may be included in total charges. Medicare requires a bundled bill for Medicare patients admitted to the hospital through the emergency department. Other payers may or may not have similar requirements.