

**Table 1.10.2:** Musculoskeletal Diagnoses as a Proportion of All Diagnoses for Care Received, All Care Facilities, United States 2010/2011

3-Digit ICD-9-CM	Description	Proportion of Diagnoses by Site [1]				% Total Diagnoses
		Hospital	Physician Office [3]	Outpatient	Emergency	
		[2]	[3]	[4]	Department [5]	
724	Other and unspecified disorders of back	4%	74%	6%	16%	3.1%
719	Other and unspecified disorders of joint	2%	77%	7%	14%	2.1%
729	Other disorders of soft tissue	5%	66%	8%	22%	1.6%
715	Osteoarthritis and allied disorders	20%	64%	4%	12%	1.1%
722	Intervertebral disc disorders	6%	84%	4%	6%	1.0%
733	Other disorders of bone and cartilage (Osteoporosis; pathologic fracture, cyst, necrosis of bone, malunion and nonunion of fracture)	14%	66%	5%	14%	0.9%
726	Peripheral enthesopathies and allied syndromes	1%	91%	4%	3%	0.9%
723	Other disorder of cervical region	2%	77%	5%	15%	0.8%
727	Synovitis & tenosynovitis	2%	89%	6%	4%	0.6%
716	Other and unspecified arthroplasties	7%	77%	4%	12%	0.5%
354	Mononeuritis of upper limb and mononeuritis multiplex	1%	95%	3%	1%	0.5%
714	Rheumatoid arthritis and other inflammatory polyarthropathies	9%	77%	4%	9%	0.5%
847	Sprains and strains of other and unspecified parts of back	0%	65%	2%	33%	0.4%
836	Dislocation of knee	0%	96%	2%	2%	0.4%
959	Injury, other and unspecified (to musculoskeletal system)	1%	65%	7%	27%	0.4%
924	Contusion of lower limb and of other and unspecified sites	3%	46%	4%	48%	0.4%
728	Disorders of muscle, ligament, and fascia	10%	68%	7%	16%	0.4%
845	Sprains and strains of ankle and foot	1%	58%	6%	35%	0.4%
840	Sprains and strains of shoulder and upper arm	1%	81%	3%	15%	0.4%
721	Spondylosis and allied disorders	11%	71%	6%	12%	0.3%
813	Fracture of radius and ulna (Upper end, closed)	3%	70%	7%	20%	0.3%
844	Sprains and strains of knee and leg	1%	69%	5%	25%	0.3%
737	Curvature of spine	9%	69%	12%	10%	0.2%
842	Sprains and strains of wrist and hand	0%	62%	5%	32%	0.2%
824	Fracture of ankle	6%	68%	6%	20%	0.2%
923	Contusion of upper limb	3%	*	7%	90%	0.2%
V43.6	Organ or tissue replaced by other means (joint)	61%	*	*	39%	0.2%
922	Contusion of trunk	5%	*	*	95%	0.1%
883	Open wound of finger(s)	2%	*	*	98%	0.1%
203	Multiple myeloma and immunoproliferative neoplasms	8%	76%	10%	6%	0.1%
739	Nonallopathic lesions, not elsewhere classified	1%	99%	*	1%	0.1%
891	Open wound of knee, leg [except thigh], and ankle	7%	*	23%	70%	0.1%
812	Fracture of humerus (Upper end, closed)	15%	*	33%	52%	0.1%
882	Open wound of hand except finger(s) alone	4%	*	*	96%	0.1%
820	Fracture of neck of femur (transcervical fracture, closed)	51%	*	*	49%	0.1%
881	Open wound of elbow, forearm, and wrist	10%	*	*	90%	0.1%
807	Fracture of vertebral column with mention of spinal cord injury	30%	*	*	70%	0.0%
816	Fracture of one or more phalanges of hand (Closed)	4%	*	18%	78%	0.0%
710	Diffuse diseases of connective tissue	39%	*	*	61%	0.0%
198	Secondary malignant neoplasm of bone and bone marrow	57%	*	*	43%	0.0%
730	Acute osteomyelitis	63%	*	*	37%	0.0%
805	Fracture of vertebral column without mention of spinal cord injury	38%	*	*	62%	0.0%
825	Fracture of one or more tarsal and metatarsal bones	10%	*	22%	68%	0.0%
892	Open wound of foot except toe(s) alone	4%	*	22%	74%	0.0%
V54	Other orthopaedic aftercare	58%	*	*	42%	0.0%
848	Other and ill-defined sprains and strains	2%	*	*	98%	0.0%
823	Fracture of tibia & fibula, upper end (closed)	26%	*	18%	56%	0.0%
815	Fracture of metacarpal bone(s) (Closed)	4%	*	16%	80%	0.0%
274	Gout; Gouty arthropathy	41%	*	*	59%	0.0%
846	Sprains and strains of sacroiliac region	1%	*	*	99%	0.0%
736	Acquired deformities of forearm	43%	*	37%	20%	0.0%
996	Complications peculiar to certain specified procedures	73%	*	*	27%	0.0%
808	Fracture of pelvis (Acetabulum, closed)	43%	*	*	57%	0.0%
810	Fracture of clavicle (closed)	15%	*	*	85%	0.0%
831	Dislocation of shoulder	6%	*	*	94%	0.0%
826	Fracture of one or more phalanges of foot	6%	*	*	94%	0.0%
755	Other congenital anomalies of limbs (Polydactyly)	22%	*	71%	6%	0.0%
718	Other derangement of joint	40%	*	29%	31%	0.0%
135	Sarcoidosis	45%	*	*	55%	0.0%
843	Sprains and strains of hip and thigh	5%	*	*	95%	0.0%

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		Hospital [2]	Physician Office [3]	Outpatient [4]		Emergency Department [5]
893	Open wound of toe(s)	4%	*	15%	81%	0.0%
731	Osteitis deformans and osteopathies associated with other disorders classified elsewhere	65%	*	*	35%	0.0%
725	Polymyalgia rheumatica	55%	*	*	45%	0.0%
754	Certain congenital musculoskeletal deformities	22%	*	70%	7%	0.0%
821	Fracture of other and unspecified parts of femur (Shaft or unspecified part, closed)	43%	*	*	57%	0.0%
741	Spina bifida	20%	*	51%	29%	0.0%
738	Other acquired deformity (of musculoskeletal system), spondylolisthesis	80%	*	*	20%	0.0%
841	Sprains and strains of elbow and forearm	2%	*	*	98%	0.0%
890	Open wound of hip and thigh	11%	*	*	89%	0.0%
756	Other congenital musculoskeletal anomalies	62%	*	*	38%	0.0%
814	Fracture of carpal bone(s) (Closed)	8%	*	*	92%	0.0%
711	Arthropathy associated with infections	61%	*	*	39%	0.0%
880	Open wound of shoulder and upper arm	12%	*	*	88%	0.0%
879	Open wound of other and unspecified sites (except limbs)	18%	*	*	82%	0.0%
927	Crushing injury of upper limb	4%	*	*	96%	0.0%
717	Internal derangement of knee	29%	*	*	71%	0.0%
834	Dislocation of finger	5%	*	*	95%	0.0%
822	Fracture of patella	25%	*	*	75%	0.0%
720	Ankylosing spondylitis and other inflammatory spondylopathies	43%	*	*	57%	0.0%
811	Fracture of scapula (closed)	35%	*	*	65%	0.0%
886	Traumatic amputation of other finger(s)	9%	*	*	91%	0.0%
713	Arthropathy associated with other disorders classified elsewhere	67%	*	*	33%	0.0%
884	Multiple and unspecified open wound of upper limb	16%	*	*	84%	0.0%
171	Malignant neoplasm of connective and other soft tissue	69%	*	*	31%	0.0%
875	Open wound of chest (wall)	16%	*	*	84%	0.0%
170	Malignant neoplasm of bone and articular cartilage	70%	*	*	30%	0.0%
712	Crystal arthropathies	51%	*	*	49%	0.0%
832	Dislocation of elbow	7%	*	*	93%	0.0%
928	Crushing injury of lower limb	12%	*	*	88%	0.0%
876	Open wound of back	15%	*	*	85%	0.0%
955	Injury to peripheral nerve(s) of shoulder girdle and upper limb	30%	*	*	70%	0.0%
735	Acquired deformities of toe	56%	*	*	44%	0.0%
732	Osteochondropathies	38%	*	*	62%	0.0%
877	Open wound of buttock	24%	*	*	76%	0.0%
839	Other, multiple, and ill-defined dislocations	40%	*	*	60%	0.0%
806	Fracture of vertebral column with mention of spinal cord injury	46%	*	*	54%	0.0%
835	Dislocation of hip	22%	*	*	78%	0.0%
894	Multiple and unspecified open wound of lower limb	24%	*	*	76%	0.0%
838	Dislocation of foot	17%	*	*	83%	0.0%
215	Other benign neoplasm of connective and other soft tissue	52%	*	*	48%	0.0%
238	Neoplasm of uncertain behavior of other and unspecified sites and tissues; Connective and other soft tissue, Bone soft tissue and skin	68%	*	*	32%	0.0%
213	Benign neoplasm of bone and articular cartilage	54%	*	*	46%	0.0%
833	Dislocation of wrist	20%	*	*	80%	0.0%
837	Dislocation of ankle	24%	*	*	76%	0.0%
885	Traumatic amputation of thumb	15%	*	*	85%	0.0%
734	Flat foot	60%	*	*	40%	0.0%
956	Injury to peripheral nerve(s) of pelvic girdle and lower limb	46%	*	*	54%	0.0%
817	Multiple fractures of hand bones	18%	*	*	82%	0.0%
239.2	Neoplasms of unspecified nature; Bone soft tissue and skin	41%	*	*	59%	0.0%
829	Fractures of unspecified bones	23%	*	*	77%	0.0%
926	Crushing injury of trunk	30%	*	*	70%	0.0%
895	Traumatic amputation of toe(s)	30%	*	*	70%	0.0%
827	Other, multiple, and ill-defined fractures of lower limb	*	*	*	100%	0.0%
818	Ill-defined fractures of upper limb	*	*	*	100%	0.0%
897	Traumatic amputation of leg(s) (complete) (partial)	40%	*	*	60%	0.0%
V67	Follow-up examination, following surgery	13%	*	*	87%	0.0%
887	Traumatic amputation of arm and hand (complete) (partial)	36%	*	*	64%	0.0%
929	Crushing injury of multiple and unspecified sites	*	*	*	100%	0.0%

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		Hospital [2]	Physician Office [3]	Outpatient [4]	Emergency Department [5]	
954	Injury to other nerve(s) of trunk, excluding shoulder and pelvic girdles	43%	*	*	57%	0.0%
809	Ill-defined fractures of bones and trunk	100%	*	*	*	0.0%
896	Traumatic amputation of foot (complete) (partial)	*	*	*	100%	0.0%
819	Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum	*	*	*	100%	0.0%
	All Musculoskeletal diagnoses	5%	72%	6%	17%	18%
	All diagnoses	3%	79%	8%	10%	1,277,066.3
	Musculoskeletal diagnoses as proportion of all diagnoses	29%	16%	14%	29%	

\* Does not meet standards for reliability.

[1] Includes all possible diagnoses. The number of diagnosis variables varies in the databases (NIS up to 25; NAMCS up to 15; NHAMCS\_OP up to 3, NEDS up to 15).

[2] 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](http://www.hcup-us.ahrq.gov/nisoverview.jsp).

[3] Source: National Ambulatory Medical Care Survey (NAMCS), 2010. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm). April 23, 2013.

[4] Source: National Hospital Ambulatory Medical Care Survey\_Outpatient Department (NHAMCS\_OP), 2010. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm). April 23, 2013.

[5] 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/nedsoverview.jsp](http://www.hcup-us.ahrq.gov/nedsoverview.jsp).