

**Table 1.9.2: Musculoskeletal Diagnoses as a Proportion of All Diagnoses for Care Received, All Care Facilities, United States 2013**

3-Digit ICD-9-CM Description		Proportion of Diagnoses by Site [1]				% Diagnoses of All	
		Hospital	Physician Office [3]	Outpatient	Emergency	Musculoskeletal	% Diagnoses of All
		[2]		[4]	Department [5]	Conditions [6]	Conditions [6]
724	Other and unspecified disorders of back	3%	73%	8%	16%	19.1%	3.7%
719	Other and unspecified disorders of joint	2%	78%	8%	13%	14.4%	2.8%
729	Other disorders of soft tissue	4%	68%	7%	21%	10.6%	2.0%
722	Intervertebral disc disorders	5%	84%	5%	6%	6.8%	1.3%
715	Osteoarthritis and allied disorders	17%	65%	6%	12%	6.7%	1.3%
733	Other disorders of bone and cartilage (Osteoporosis; pathologic fracture, cyst, necrosis of bone, malunion and nonunion of fracture)	11%	69%	7%	13%	5.6%	1.1%
723	Other disorder of cervical region	2%	77%	7%	14%	5.6%	1.1%
726	Peripheral enthesopathies and allied syndromes	1%	88%	7%	4%	4.6%	0.9%
721	Spondylosis and allied disorders	6%	82%	5%	7%	3.0%	0.6%
714	Rheumatoid arthritis and other inflammatory polyarthropathies	8%	69%	13%	10%	2.8%	0.5%
847	Sprains and strains of other and unspecified parts of back	0%	70%	3%	27%	2.6%	0.5%
716	Other and unspecified arthroplasties	10%	66%	4%	20%	2.4%	0.5%
728	Disorders of muscle, ligament, and fascia	9%	69%	7%	16%	2.4%	0.5%
727	Synovitis & tenosynovitis	2%	84%	9%	5%	2.3%	0.4%
840	Sprains and strains of shoulder and upper arm	0%	80%	7%	13%	2.1%	0.4%
959	Injury, other and unspecified (to musculoskeletal system)	1%	56%	9%	34%	2.1%	0.4%
924	Contusion of lower limb and of other and unspecified sites	2%	45%	5%	48%	2.0%	0.4%
354	Mononeuritis of upper limb and mononeuritis multiplex	1%	89%	8%	2%	1.9%	0.4%
845	Sprains and strains of ankle and foot	1%	52%	10%	37%	1.8%	0.3%
813	Fracture of radius and ulna (Upper end, closed)	3%	65%	9%	23%	1.4%	0.3%
844	Sprains and strains of knee and leg	1%	74%	6%	25%	1.3%	0.3%
V54	Other orthopaedic aftercare	6%	75%	13%	5%	1.3%	0.3%
836	Dislocation of knee	0%	89%	7%	3%	1.3%	0.2%
923	Contusion of upper limb	2%	38%	5%	56%	1.3%	0.2%
739	Nonallopathic lesions, not elsewhere classified	0%	99%	*	0%	1.2%	0.2%
V43.6	Organ or tissue replaced by other means (joint)	44%	12%	6%	37%	1.1%	0.2%
883	Open wound of finger(s)	1%	40%	5%	54%	1.0%	0.2%
842	Sprains and strains of wrist and hand	0%	68%	*	32%	1.0%	0.2%
737	Curvature of spine	10%	61%	17%	12%	1.0%	0.2%
824	Fracture of ankle	6%	56%	17%	21%	0.8%	0.2%
922	Contusion of trunk	3%	33%	*	64%	0.8%	0.2%
710	Diffuse diseases of connective tissue	9%	58%	13%	19%	0.8%	0.2%
717	Internal derangement of knee	1%	86%	9%	4%	0.8%	0.2%
812	Fracture of humerus (Upper end, closed)	6%	64%	10%	20%	0.8%	0.1%
816	Fracture of one or more phalanges of hand (Closed)	1%	68%	6%	25%	0.7%	0.1%
848	Other and ill-defined sprains and strains	0%	59%	13%	28%	0.6%	0.1%
879	Open wound of other and unspecified sites (except limbs)	1%	61%	31%	7%	0.6%	0.1%
882	Open wound of hand except finger(s) alone	2%	38%	12%	48%	0.5%	0.1%
823	Fracture of tibia & fibula, upper end (closed)	7%	63%	13%	16%	0.5%	0.1%
756	Other congenital musculoskeletal anomalies	6%	75%	14%	4%	0.5%	0.1%
820	Fracture of neck of femur (transcervical fracture, closed)	27%	45%	*	28%	0.5%	0.1%

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3-Digit ICD-9-CM	Description	Proportion of Diagnoses by Site [1]				% Diagnoses of All	
		Hospital [2]	Physician Office [3]	Outpatient [4]	Emergency Department [5]	Musculoskeletal Conditions [6]	% Diagnoses of All Conditions [6]
720	Ankylosing spondylitis and other inflammatory spondylopathies	2%	95%	*	3%	0.5%	0.1%
825	Fracture of one or more tarsal and metatarsal bones	4%	62%	9%	25%	0.5%	0.1%
846	Sprains and strains of sacroiliac region	0%	78%	*	22%	0.5%	0.1%
738	Other acquired deformity (of musculoskeletal system), spondylolisthesis	11%	86%	*	3%	0.4%	0.1%
736	Acquired deformities of forearm	13%	57%	23%	7%	0.4%	0.1%
718	Other derangement of joint	7%	87%	*	6%	0.4%	0.1%
805	Fracture of vertebral column without mention of spinal cord injury	18%	50%	*	32%	0.4%	0.1%
815	Fracture of metacarpal bone(s) (Closed)	2%	58%	13%	28%	0.4%	0.1%
730	Acute osteomyelitis	30%	36%	12%	22%	0.4%	0.1%
274	Gout; Gouty arthropathy	14%	62%	*	23%	0.4%	0.1%
198	Secondary malignant neoplasm of bone and bone marrow	33%	28%	10%	29%	0.4%	0.1%
891	Open wound of knee, leg [except thigh], and ankle	6%	*	31%	63%	0.3%	0.1%
203	Multiple myeloma and immunoproliferative neoplasms	13%	57%	16%	13%	0.3%	0.1%
881	Open wound of elbow, forearm, and wrist	9%	*	15%	76%	0.3%	0.1%
135	Sarcoidosis	11%	72%	*	16%	0.3%	0.1%
843	Sprains and strains of hip and thigh	1%	72%	*	27%	0.3%	0.1%
814	Fracture of carpal bone(s) (Closed)	1%	83%	*	15%	0.3%	0.1%
725	Polymyalgia rheumatica	12%	75%	*	12%	0.3%	0.1%
807	Fracture of rib(s) sternum larynx and trachea	30%	*	*	70%	0.3%	0.0%
696	Psoriatic arthritis	5%	90%	*	5%	0.3%	0.0%
996	Complications peculiar to certain specified procedures	31%	57%	*	13%	0.2%	0.0%
239.2	Neoplasms of unspecified nature; Bone soft tissue and skin	0%	99%	*	1%	0.2%	0.0%
735	Acquired deformities of toe	4%	93%	*	3%	0.2%	0.0%
892	Open wound of foot except toe(s) alone	4%	*	29%	67%	0.2%	0.0%
755	Other congenital anomalies of limbs (Polydactyly)	19%	*	75%	6%	0.1%	0.0%
808	Fracture of pelvis (Acetabulum, closed)	42%	*	*	58%	0.1%	0.0%
810	Fracture of clavicle (closed)	16%	*	*	84%	0.1%	0.0%
831	Dislocation of shoulder	5%	*	*	95%	0.1%	0.0%
826	Fracture of one or more phalanges of foot	6%	*	*	94%	0.1%	0.0%
731	Osteitis deformans and osteopathies associated with other disorders classified elsewhere	61%	*	*	39%	0.1%	0.0%
821	Fracture of other and unspecified parts of femur (Shaft or unspecified part, closed)	44%	*	*	56%	0.1%	0.0%
893	Open wound of toe(s)	5%	*	*	95%	0.1%	0.0%
841	Sprains and strains of elbow and forearm	2%	*	*	98%	0.1%	0.0%
711	Arthropathy associated with infections	57%	*	*	43%	0.1%	0.0%
890	Open wound of hip and thigh	11%	*	*	89%	0.0%	0.0%
927	Crushing injury of upper limb	4%	*	*	96%	0.0%	0.0%
880	Open wound of shoulder and upper arm	13%	*	*	87%	0.0%	0.0%
741	Spina bifida	38%	*	*	62%	0.0%	0.0%
822	Fracture of patella	24%	*	*	76%	0.0%	0.0%

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		Hospital [2]	Physician Office [3]	Outpatient [4]	Emergency Department [5]	Musculoskeletal Conditions [6]	% Diagnoses of All Conditions [6]
834	Dislocation of finger	4%	*	*	96%	0.0%	0.0%
811	Fracture of scapula (closed)	36%	*	*	64%	0.0%	0.0%
713	Arthropathy associated with other disorders classified elsewhere	60%	*	*	40%	0.0%	0.0%
884	Multiple and unspecified open wound of upper limb	15%	*	*	85%	0.0%	0.0%
754	Certain congenital musculoskeletal deformities	72%	*	*	28%	0.0%	0.0%
886	Traumatic amputation of other finger(s)	8%	*	*	92%	0.0%	0.0%
171	Malignant neoplasm of connective and other soft tissue	67%	*	*	33%	0.0%	0.0%
170	Malignant neoplasm of bone and articular cartilage	68%	*	*	32%	0.0%	0.0%
875	Open wound of chest (wall)	19%	*	*	81%	0.0%	0.0%
712	Crystal arthropathies	47%	*	*	53%	0.0%	0.0%
928	Crushing injury of lower limb	12%	*	*	88%	0.0%	0.0%
955	Injury to peripheral nerve(s) of shoulder girdle and upper limb	29%	*	*	71%	0.0%	0.0%
732	Osteochondropathies	32%	*	*	68%	0.0%	0.0%
876	Open wound of back	16%	*	*	84%	0.0%	0.0%
832	Dislocation of elbow	8%	*	*	92%	0.0%	0.0%
877	Open wound of buttock	23%	*	*	77%	0.0%	0.0%
806	Fracture of vertebral column with mention of spinal cord injury	48%	*	*	52%	0.0%	0.0%
839	Other, multiple, and ill-defined dislocations	40%	*	*	60%	0.0%	0.0%
894	Multiple and unspecified open wound of lower limb	23%	*	*	77%	0.0%	0.0%
835	Dislocation of hip	23%	*	*	77%	0.0%	0.0%
838	Dislocation of foot	17%	*	*	83%	0.0%	0.0%
215	Other benign neoplasm of connective and other soft tissue	48%	*	*	52%	0.0%	0.0%
213	Benign neoplasm of bone and articular cartilage	50%	*	*	50%	0.0%	0.0%
238	Neoplasm of uncertain behavior of other and unspecified sites and tissues; Connective and other soft tissue, Bone soft tissue and skin	63%	*	*	37%	0.0%	0.0%
833	Dislocation of wrist	21%	*	*	79%	0.0%	0.0%
837	Dislocation of ankle	23%	*	*	77%	0.0%	0.0%
734	Flat foot	46%	*	*	54%	0.0%	0.0%
885	Traumatic amputation of thumb	13%	*	*	87%	0.0%	0.0%
956	Injury to peripheral nerve(s) of pelvic girdle and lower limb	45%	*	*	55%	0.0%	0.0%
897	Traumatic amputation of leg(s) (complete) (partial)	87%	*	*	13%	0.0%	0.0%
817	Multiple fractures of hand bones	18%	*	*	82%	0.0%	0.0%
99.3	Rieter's disease	43%	*	*	57%	0.0%	0.0%
829	Fractures of unspecified bones	10%	*	*	90%	0.0%	0.0%
926	Crushing injury of trunk	29%	*	*	71%	0.0%	0.0%
895	Traumatic amputation of toe(s)	31%	*	*	69%	0.0%	0.0%
827	Other, multiple, and ill-defined fractures of lower limb	14%	*	*	86%	0.0%	0.0%
818	Ill-defined fractures of upper limb	*	*	*	100%	0.0%	0.0%
887	Traumatic amputation of arm and hand (complete) (partial)	40%	*	*	60%	0.0%	0.0%
929	Crushing injury of multiple and unspecified sites	18%	*	*	82%	0.0%	0.0%
V67	Follow-up examination, following surgery	*	*	*	100%	0.0%	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	50%	*	*	50%	0.0%	0.0%
896	Traumatic amputation of foot (complete) (partial)	40%	*	*	60%	0.0%	0.0%
809	Ill-defined fractures of bones and trunk	*	*	*	100%	0.0%	0.0%
V52	Fitting and adjustment of prosthetic device	100%	*	*	*	0.0%	0.0%
	All Musculoskeletal diagnoses	4%	70%	9%	17%		235,110.1
	All diagnoses	3%	76%	10%	11%		1,224,804.2

\* 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 and NHAMCS\_OP up to 3; NEDS up to 15).

[2] Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2013. 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), 2012. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm) January 14, 2016.

[4] Source: National Hospital Ambulatory Medical Care Survey\_Outpatient Department (NHAMCS\_OP), 2011. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm) January 14, 2016.

[5] Source: HCUP Nationwide Emergency Department Sample (NEDS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/nedsoverview.jsp](http://www.hcup-us.ahrq.gov/nedsoverview.jsp)

[6] Total greater than 100% due to patient cases diagnosed in more than one category.