

Table 1.10.3: Musculoskeletal Diagnoses Prevalence for Care Received, All Care Facilities, United States 2010/2011

3-Digit ICD-9-CM	Description	Prevalence per 1000 Persons				Total
		Hospital [2]	Physician Office [3]	Outpatient [4]	Emergency Department [5]	
724	Other and unspecified disorders of back	5.1	93.7	8.0	20.4	127.2
719	Other and unspecified disorders of joint	1.6	67.0	6.0	12.0	86.6
729	Other disorders of soft tissue	3.2	43.9	5.3	14.5	66.9
715	Osteoarthritis and allied disorders	9.1	28.6	1.6	5.4	44.7
722	Intervertebral disc disorders	2.8	35.9	1.5	2.6	42.8
733	Other disorders of bone and cartilage (Osteoporosis; pathologic fracture, cyst, necrosis of bone, malunion and nonunion of fracture)	5.5	25.7	2.1	5.5	38.8
726	Peripheral enthesopathies and allied syndromes	0.5	33.3	1.6	1.3	36.6
723	Other disorder of cervical region	0.7	26.0	1.7	5.1	33.6
727	Synovitis & tenosynovitis	0.4	21.6	1.4	0.9	24.2
716	Other and unspecified arthroplasties	1.5	16.2	0.8	2.5	21.1
354	Mononeuritis of upper limb and mononeuritis multiplex	0.1	19.0	0.7	0.3	20.1
714	Rheumatoid arthritis and other inflammatory polyarthropathies	1.8	14.7	0.7	1.8	19.0
847	Sprains and strains of other and unspecified parts of back	0.0	10.9	0.3	5.6	16.8
836	Dislocation of knee	0.0	16.0	0.4	0.3	16.7
959	Injury, other and unspecified (to musculoskeletal system)	0.1	10.6	1.1	4.4	16.2
924	Contusion of lower limb and of other and unspecified sites	0.4	7.1	0.6	7.4	15.6
728	Disorders of muscle, ligament, and fascia	1.5	10.5	1.1	2.4	15.5
845	Sprains and strains of ankle and foot	0.1	8.6	0.9	5.2	14.8
840	Sprains and strains of shoulder and upper arm	0.1	12.0	0.5	2.2	14.8
721	Spondylosis and allied disorders	1.6	10.2	0.9	1.7	14.4
813	Fracture of radius and ulna (Upper end, closed)	0.3	8.5	0.8	2.5	12.1
844	Sprains and strains of knee and leg	0.1	7.3	0.5	2.6	10.4
737	Curvature of spine	0.8	5.7	1.0	0.8	8.3
842	Sprains and strains of wrist and hand	0.0	4.7	0.4	2.4	7.5
824	Fracture of ankle	0.4	4.8	0.4	1.4	7.0
923	Contusion of upper limb	0.2	*	0.4	5.9	6.5
V43.6	Organ or tissue replaced by other means (joint)	3.9	*	*	2.6	6.5
922	Contusion of trunk	0.2	*	*	4.4	4.7
883	Open wound of finger(s)	0.1	*	*	4.4	4.5
203	Multiple myeloma and immunoproliferative neoplasms	0.3	3.1	0.4	0.3	4.1
739	Nonallopathic lesions, not elsewhere classified	0.0	2.4	*	0.0	2.4
891	Open wound of knee, leg [except thigh], and ankle	0.2	*	0.5	1.6	2.4
812	Fracture of humerus (Upper end, closed)	0.3	*	0.7	1.1	2.2
882	Open wound of hand except finger(s) alone	0.1	*	*	2.1	2.2
820	Fracture of neck of femur (transcervical fracture, closed)	1.1	*	*	1.1	2.2
881	Open wound of elbow, forearm, and wrist	0.2	*	*	1.9	2.1
807	Fracture of vertebral column with mention of spinal cord injury	0.6	*	*	1.3	1.9
816	Fracture of one or more phalanges of hand (Closed)	0.1	*	0.3	1.4	1.8
710	Diffuse diseases of connective tissue	0.6	*	*	1.0	1.6
198	Secondary malignant neoplasm of bone and bone marrow	0.9	*	*	0.7	1.6
730	Acute osteomyelitis	1.0	*	*	0.6	1.5
805	Fracture of vertebral column without mention of spinal cord injury	0.6	*	*	0.9	1.5
825	Fracture of one or more tarsal and metatarsal bones	0.1	*	0.3	0.9	1.3
892	Open wound of foot except toe(s) alone	0.1	*	0.3	0.9	1.3
V54	Other orthopaedic aftercare	0.7	*	*	0.5	1.2
848	Other and ill-defined sprains and strains	0.0	*	*	1.2	1.2
823	Fracture of tibia & fibula, upper end (closed)	0.3	*	0.2	0.7	1.2
815	Fracture of metacarpal bone(s) (Closed)	0.1	*	0.2	0.9	1.2
274	Gout; Gouty arthroplathy	0.5	*	*	0.7	1.1
846	Sprains and strains of sacroiliac region	0.0	*	*	1.1	1.1
736	Acquired deformities of forearm	0.4	*	0.4	0.2	1.0
996	Complications peculiar to certain specified procedures	0.6	*	*	0.2	0.8
808	Fracture of pelvis (Acetabulum, closed)	0.3	*	*	0.5	0.8
810	Fracture of clavicle (closed)	0.1	*	*	0.6	0.7
831	Dislocation of shoulder	0.0	*	*	0.7	0.7
826	Fracture of one or more phalanges of foot	0.0	*	*	0.6	0.7
755	Other congenital anomalies of limbs (Polydactyly)	0.1	*	0.5	0.0	0.6
718	Other derangement of joint	0.3	*	0.2	0.2	0.6
135	Sarcoidosis	0.3	*	*	0.3	0.6

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843	Sprains and strains of hip and thigh	0.0	*	*	0.5	0.6
893	Open wound of toe(s)	0.0	*	0.1	0.5	0.6
731	Osteitis deformans and osteopathies associated with other disorders classified elsewhere	0.4	*	*	0.2	0.6
725	Polymyalgia rheumatica	0.3	*	*	0.3	0.6
754	Certain congenital musculoskeletal deformities	0.1	*	0.4	0.0	0.5
821	Fracture of other and unspecified parts of femur (Shaft or unspecified part, closed)	0.2	*	*	0.3	0.5
741	Spina bifida	0.1	*	0.3	0.1	0.5
738	Other acquired deformity (of musculoskeletal system), spondylolisthesis	0.4	*	*	0.1	0.5
841	Sprains and strains of elbow and forearm	0.0	*	*	0.4	0.4
890	Open wound of hip and thigh	0.0	*	*	0.3	0.4
756	Other congenital musculoskeletal anomalies	0.2	*	*	0.1	0.4
814	Fracture of carpal bone(s) (Closed)	0.0	*	*	0.3	0.4
711	Arthropathy associated with infections	0.2	*	*	0.1	0.4
880	Open wound of shoulder and upper arm	0.0	*	*	0.3	0.3
879	Open wound of other and unspecified sites (except limbs)	0.1	*	*	0.3	0.3
927	Crushing injury of upper limb	0.0	*	*	0.3	0.3
717	Internal derangement of knee	0.1	*	*	0.2	0.3
834	Dislocation of finger	0.0	*	*	0.2	0.2
822	Fracture of patella	0.1	*	*	0.2	0.2
720	Ankylosing spondylitis and other inflammatory spondylopathies	0.1	*	*	0.1	0.2
811	Fracture of scapula (closed)	0.1	*	*	0.1	0.2
886	Traumatic amputation of other finger(s)	0.0	*	*	0.1	0.2
713	Arthropathy associated with other disorders classified elsewhere	0.1	*	*	0.1	0.2
884	Multiple and unspecified open wound of upper limb	0.0	*	*	0.1	0.2
171	Malignant neoplasm of connective and other soft tissue	0.1	*	*	0.0	0.1
875	Open wound of chest (wall)	0.0	*	*	0.1	0.1
170	Malignant neoplasm of bone and articular cartilage	0.1	*	*	0.0	0.1
712	Crystal arthropathies	0.1	*	*	0.1	0.1
832	Dislocation of elbow	0.0	*	*	0.1	0.1
928	Crushing injury of lower limb	0.0	*	*	0.1	0.1
876	Open wound of back	0.0	*	*	0.1	0.1
955	Injury to peripheral nerve(s) of shoulder girdle and upper limb	0.0	*	*	0.1	0.1
735	Acquired deformities of toe	0.1	*	*	0.0	0.1
732	Osteochondropathies	0.0	*	*	0.1	0.1
877	Open wound of buttock	0.0	*	*	0.1	0.1
839	Other, multiple, and ill-defined dislocations	0.0	*	*	0.0	0.1
806	Fracture of vertebral column with mention of spinal cord injury	0.0	*	*	0.0	0.1
835	Dislocation of hip	0.0	*	*	0.0	0.1
894	Multiple and unspecified open wound of lower limb	0.0	*	*	0.0	0.1
838	Dislocation of foot	0.0	*	*	0.0	0.1
215	Other benign neoplasm of connective and other soft tissue	0.0	*	*	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	0.0	*	*	0.0	0.0
213	Benign neoplasm of bone and articular cartilage	0.0	*	*	0.0	0.0
833	Dislocation of wrist	0.0	*	*	0.0	0.0
837	Dislocation of ankle	0.0	*	*	0.0	0.0
885	Traumatic amputation of thumb	0.0	*	*	0.0	0.0
734	Flat foot	0.0	*	*	0.0	0.0
956	Injury to peripheral nerve(s) of pelvic girdle and lower limb	0.0	*	*	0.0	0.0
817	Multiple fractures of hand bones	0.0	*	*	0.0	0.0
239.2	Neoplasms of unspecified nature; Bone soft tissue and skin	0.0	*	*	0.0	0.0
829	Fractures of unspecified bones	0.0	*	*	0.0	0.0
926	Crushing injury of trunk	0.0	*	*	0.0	0.0
895	Traumatic amputation of toe(s)	0.0	*	*	0.0	0.0
827	Other, multiple, and ill-defined fractures of lower limb	*	*	*	0.0	0.0
818	Ill-defined fractures of upper limb	*	*	*	0.0	0.0
897	Traumatic amputation of leg(s) (complete) (partial)	0.0	*	*	0.0	0.0
V67	Follow-up examination, following surgery	0.0	*	*	0.0	0.0

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		Hospital [2]	Physician Office [3]	Outpatient [4]	Emergency Department [5]	
887	Traumatic amputation of arm and hand (complete) (partial)	0.0	*	*	0.0	0.0
929	Crushing injury of multiple and unspecified sites	*	*	*	0.0	0.0
954	Injury to other nerve(s) of trunk, excluding shoulder and pelvic girdles	0.0	*	*	0.0	0.0
809	Ill-defined fractures of bones and trunk	0.0	*	*	*	0.0
896	Traumatic amputation of foot (complete) (partial)	*	*	*	0.0	0.0
819	Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum	*	*	*	0.0	0.0
All Musculoskeletal diagnoses		36.2	521.6	45.2	119.8	722.8
All diagnoses		124.7	3,261.3	325.7	416.9	4,128.5

* 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.

[3] Source: National Ambulatory Medical Care Survey (NAMCS), 2010. 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. 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.