

Table 1.9.1: Number of Musculoskeletal Diagnoses for Care Received, All Care Facilities, United States 2013

3-Digit ICD-9-CM	Description	Number of Diagnoses (in 000s) [1]				Total
		Hospital [2]	Physician Office [3]	Outpatient [4]	Emergency Department [5]	
724	Other and unspecified disorders of back	1,520.4	32,739.7	3,583.0	7,027.3	44,870.4
719	Other and unspecified disorders of joint	515.1	26,226.3	2,788.9	4,227.5	33,757.8
729	Other disorders of soft tissue	999.3	17,024.4	1,671.8	5,230.9	24,926.4
722	Intervertebral disc disorders	741.3	13,445.9	812.0	938.5	15,937.7
715	Osteoarthritis and allied disorders	2,659.1	10,194.2	928.5	1,882.7	15,664.5
733	Other disorders of bone and cartilage (Osteoporosis; pathologic fracture, cyst, necrosis of bone, malunion and nonunion of fracture)	1,433.1	9,071.0	945.3	1,730.2	13,179.6
723	Other disorder of cervical region	228.3	10,040.7	969.2	1,828.7	13,066.9
726	Peripheral enthesopathies and allied syndromes	133.7	9,463.4	781.4	429.9	10,808.4
721	Spondylosis and allied disorders	440.0	5,727.4	317.3	523.2	7,007.9
714	Rheumatoid arthritis and other inflammatory polyarthropathies	523.9	4,502.0	823.7	669.9	6,519.5
847	Sprains and strains of other and unspecified parts of back	9.5	4,228.0	168.3	1,610.5	6,016.3
716	Other and unspecified arthroplasties	550.6	3,788.5	231.0	1,132.0	5,702.1
728	Disorders of muscle, ligament, and fascia	484.6	3,845.7	365.6	911.4	5,607.3
727	Synovitis & tenosynovitis	109.6	4,614.3	472.5	300.0	5,496.4
840	Sprains and strains of shoulder and upper arm	24.7	4,012.7	335.0	664.4	5,036.8
959	Injury, other and unspecified (to musculoskeletal system)	40.1	2,729.6	460.6	1,680.0	4,910.3
924	Contusion of lower limb and of other and unspecified sites	107.9	2,098.6	210.0	2,207.7	4,624.2
354	Mononeuritis of upper limb and mononeuritis multiplex	37.3	3,888.2	336.6	106.8	4,368.9
845	Sprains and strains of ankle and foot	23.6	2,175.1	420.1	1,565.6	4,184.4
813	Fracture of radius and ulna (Upper end, closed)	90.2	2,097.5	287.8	755.7	3,231.2
844	Sprains and strains of knee and leg	20.1	2,279.7	190.1	782.7	3,082.5
V54	Other orthopaedic aftercare	196.3	2,319.1	394.8	166.8	3,077.0
836	Dislocation of knee	14.1	2,717.0	219.2	89.5	3,039.8
923	Contusion of upper limb	51.5	1,131.9	146.7	1,672.6	3,002.7
739	Nonallopathic lesions, not elsewhere classified	13.7	2,847.2	*	4.9	2,865.8
V43.6	Organ or tissue replaced by other means (joint)	1,178.0	313.9	171.8	989.6	2,653.3
883	Open wound of finger(s)	23.3	975.8	123.0	1,314.2	2,436.3
842	Sprains and strains of wrist and hand	5.5	1,601.7	*	749.9	2,357.1
737	Curvature of spine	228.7	1,416.5	402.4	276.3	2,323.9
824	Fracture of ankle	110.5	1,103.3	335.8	414.0	1,963.6
922	Contusion of trunk	68.3	639.2	*	1,246.6	1,954.1
710	Diffuse diseases of connective tissue	184.3	1,133.0	259.5	365.2	1,942.0
717	Internal derangement of knee	22.3	1,595.9	165.1	70.4	1,853.7
812	Fracture of humerus (Upper end, closed)	102.4	1,169.6	190.0	369.1	1,831.1
816	Fracture of one or more phalanges of hand (Closed)	19.7	1,142.5	96.8	421.4	1,680.4
848	Other and ill-defined sprains and strains	5.0	853.6	183.1	396.4	1,438.1
879	Open wound of other and unspecified sites (except limbs)	17.5	812.6	412.8	90.3	1,333.2
882	Open wound of hand except finger(s) alone	27.3	490.1	150.5	610.5	1,278.4
823	Fracture of tibia & fibula, upper end (closed)	94.7	801.1	163.1	203.8	1,262.7
756	Other congenital musculoskeletal anomalies	74.8	915.1	173.8	51.9	1,215.6

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		<u>Hospital [2]</u>	<u>Physician Office [3]</u>	<u>Outpatient [4]</u>	<u>Emergency Department [5]</u>	
820	Fracture of neck of femur (transcervical fracture, closed)	327.0	538.2	*	339.4	1,204.6
720	Ankylosing spondylitis and other inflammatory spondylopathies	25.6	1,115.7	*	36.7	1,178.0
825	Fracture of one or more tarsal and metatarsal bones	39.6	699.1	104.5	277.2	1,120.4
846	Sprains and strains of sacroiliac region	1.7	851.0	*	242.1	1,094.8
738	Other acquired deformity (of musculoskeletal system), spondylolisthesis	114.2	905.7	*	31.9	1,051.8
736	Acquired deformities of forearm	127.9	574.3	233.2	72.6	1,008.0
718	Other derangement of joint	73.4	867.2	*	60.6	1,001.2
805	Fracture of vertebral column without mention of spinal cord injury	174.6	497.6	*	317.6	989.8
815	Fracture of metacarpal bone(s) (Closed)	15.8	573.5	124.5	274.8	988.6
730	Acute osteomyelitis	287.0	344.7	117.6	214.6	963.9
274	Gout; Gouty arthropathy	122.9	532.6	*	196.8	852.3
198	Secondary malignant neoplasm of bone and bone marrow	274.4	235.2	84.7	240.8	835.1
891	Open wound of knee, leg [except thigh], and ankle	50.0	*	243.2	495.7	788.9
203	Multiple myeloma and immunoproliferative neoplasms	99.8	426.6	122.5	93.8	742.7
881	Open wound of elbow, forearm, and wrist	63.9	*	113.9	563.8	741.6
135	Sarcoidosis	77.5	500.1	*	112.5	690.1
843	Sprains and strains of hip and thigh	7.5	490.5	*	179.6	677.6
814	Fracture of carpal bone(s) (Closed)	9.0	554.3	*	103.1	666.4
725	Polymyalgia rheumatica	81.7	496.5	*	79.5	657.7
807	Fracture of rib(s) sternum larynx and trachea	181.6	*	*	429.9	611.5
696	Psoriatic arthritis	29.9	529.4	*	29.2	588.5
996	Complications peculiar to certain specified procedures	170.2	313.9	*	71.3	555.4
239.2	Neoplasms of unspecified nature; Bone soft tissue and skin	2.6	532.0	*	4.3	538.9
735	Acquired deformities of toe	16.0	417.5	*	15.1	448.6
892	Open wound of foot except toe(s) alone	15.8	*	120.8	278.2	414.8
755	Other congenital anomalies of limbs (Polydactyly)	48.0	*	185.5	14.7	248.2
808	Fracture of pelvis (Acetabulum, closed)	101.7	*	*	142.9	244.6
810	Fracture of clavicle (closed)	34.8	*	*	184.8	219.6
831	Dislocation of shoulder	11.0	*	*	196.3	207.3
826	Fracture of one or more phalanges of foot	12.8	*	*	193.1	205.9
731	Osteitis deformans and osteopathies associated with other disorders classified elsewhere	113.4	*	*	73.3	186.7
821	Fracture of other and unspecified parts of femur (Shaft or unspecified part, closed)	69.5	*	*	88.2	157.7
893	Open wound of toe(s)	7.7	*	*	135.1	142.8
841	Sprains and strains of elbow and forearm	1.9	*	*	120.7	122.6
711	Arthropathy associated with infections	69.9	*	*	52.6	122.5
890	Open wound of hip and thigh	13.2	*	*	103.8	117.0
927	Crushing injury of upper limb	3.9	*	*	92.3	96.2
880	Open wound of shoulder and upper arm	11.9	*	*	80.5	92.4
741	Spina bifida	29.2	*	*	47.9	77.1

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822	Fracture of patella	16.2	*	*	52.6	68.8
834	Dislocation of finger	2.8	*	*	64.5	67.3
811	Fracture of scapula (closed)	19.4	*	*	34.8	54.2
713	Arthropathy associated with other disorders classified elsewhere	32.1	*	*	21.5	53.6
884	Multiple and unspecified open wound of upper limb	8.0	*	*	44.6	52.6
754	Certain congenital musculoskeletal deformities	37.6	*	*	14.6	52.2
886	Traumatic amputation of other finger(s)	4.1	*	*	45.2	49.3
171	Malignant neoplasm of connective and other soft tissue	31.2	*	*	15.6	46.8
170	Malignant neoplasm of bone and articular cartilage	25.6	*	*	11.9	37.5
875	Open wound of chest (wall)	7.0	*	*	30.0	37.0
712	Crystal arthropathies	16.5	*	*	18.6	35.1
928	Crushing injury of lower limb	4.1	*	*	31.0	35.1
955	Injury to peripheral nerve(s) of shoulder girdle and upper limb	9.2	*	*	22.0	31.2
732	Osteochondropathies	9.8	*	*	20.7	30.5
876	Open wound of back	4.8	*	*	24.6	29.4
832	Dislocation of elbow	2.4	*	*	26.5	28.9
877	Open wound of buttock	5.6	*	*	19.2	24.8
806	Fracture of vertebral column with mention of spinal cord injury	11.1	*	*	11.9	23.0
839	Other, multiple, and ill-defined dislocations	8.9	*	*	13.2	22.1
894	Multiple and unspecified open wound of lower limb	4.4	*	*	14.5	18.9
835	Dislocation of hip	4.1	*	*	14.0	18.1
838	Dislocation of foot	2.7	*	*	12.8	15.5
215	Other benign neoplasm of connective and other soft tissue	7.3	*	*	8.0	15.3
213	Benign neoplasm of bone and articular cartilage	6.5	*	*	6.4	12.9
238	Neoplasm of uncertain behavior of other and unspecified sites and tissues; Connective and other soft tissue, Bone soft tissue and skin	8.1	*	*	4.7	12.8
833	Dislocation of wrist	2.4	*	*	8.8	11.2
837	Dislocation of ankle	2.3	*	*	7.8	10.1
734	Flat foot	4.6	*	*	5.3	9.9
885	Traumatic amputation of thumb	1.3	*	*	8.4	9.7
956	Injury to peripheral nerve(s) of pelvic girdle and lower limb	3.5	*	*	4.2	7.7
897	Traumatic amputation of leg(s) (complete) (partial)	6.6	*	*	1.0	7.6
817	Multiple fractures of hand bones	1.2	*	*	5.5	6.7
99.3	Rieter's disease	2.5	*	*	3.3	5.8
829	Fractures of unspecified bones	0.5	*	*	4.6	5.1
926	Crushing injury of trunk	1.0	*	*	2.5	3.5
895	Traumatic amputation of toe(s)	1.0	*	*	2.2	3.2
827	Other, multiple, and ill-defined fractures of lower limb	0.3	*	*	1.9	2.2
818	Ill-defined fractures of upper limb	*	*	*	2.1	2.1
887	Traumatic amputation of arm and hand (complete) (partial)	0.6	*	*	0.9	1.5
929	Crushing injury of multiple and unspecified sites	0.2	*	*	0.9	1.1
V67	Follow-up examination, following surgery	*	*	*	0.9	0.9

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954	Injury to other nerve(s) of trunk, excluding shoulder and pelvic girdles	0.3	*	*	0.3	0.6
896	Traumatic amputation of foot (complete) (partial)	0.2	*	*	0.3	0.5
809	Ill-defined fractures of bones and trunk	*	*	*	0.2	0.2
V52	Fitting and adjustment of prosthetic device	0.2	*	*	*	0.2
819	Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum	*	*	*	*	
828	Multiple fractures involving both lower limbs, lower with upper limb	*	*	*	*	
	All Musculoskeletal diagnoses	10,534.1	165,187.2	20,417.1	38,971.7	235,110.1
	All diagnoses	35,589.9	928,630.0	125,721.4	134,862.9	1,224,804.2
	Proportion all diagnoses	29.6%	17.8%	16.2%	28.9%	19.2%

* 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

[3] Source: National Ambulatory Medical Care Survey (NAMCS), 2012. 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_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