

**Table 7.1.2: Health Care Visits for Children and Adolescents Age 20 and Under with a Primary<sup>1</sup> Diagnosis of a Musculoskeletal Related Condition, United States 2012**

	Number of Discharges/Visits for a Primary [1] Musculoskeletal (MSK) Related Condition Diagnosis (in 000s)				Total
	Hospital	Emergency	Outpatient Clinic	Physician Office	
	Discharges [2]	Department [3]	[4]	Visits [5]	
Musculoskeletal Infections [6]	9.1	7.7	*	*	78.8
Deformity [7]	30.1	5.5	297.6	610.6	943.8
Trauma [8]	76.6	4,093.9	1,323.3	6,106.5	11,600.3
Neuromuscular Conditions	4.5	2.0	90.4	*	255.3
Syndromes with Musculoskeletal Implications [9]	0.6	*	37.8	*	126.3
Sports Injuries [10]	NA	1,819.8	NA	NA	1,819.8
Skeletal Dysplasias [11]	*	*	37.3	*	98.4
Neoplasms	4.0	2.3	37.2	*	84.5
Rheumatologic Conditions [12]	4.2	15.9	99.4	*	491.3
Medical Problems with Musculoskeletal Implications [13]	4.8	10.3	97.5	*	207.0
Pain Syndromes [14]	1.9	217.9	222.4	1,232.5	1,674.7
<b>Total Children and Adolescent Musculoskeletal Related Diagnoses</b>	<b>135.7</b>	<b>4,356.1</b>	<b>2,261.5</b>	<b>8,807.0</b>	<b>15,560.3</b>
Proportion of Total Visits	0.9%	28.0%	14.5%	56.6%	
<b>All Children and Adolescent Patients</b>	<b>6,675.2</b>	<b>32,080.0</b>	<b>27,549.0</b>	<b>204,821.7</b>	<b>271,125.9</b>
Proportion MSK of all Children and Adolescent Patients	2.0%	13.6%	8.2%	4.3%	5.7%

\* Data does not meet standards for reliability

[1] Primary is defined as the first diagnosis.

[2] Source: HCUP Kids' Inpatient Database (KID). Healthcare Cost and Utilization Project (HCUP). 2012. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/kidoverview.jsp](http://www.hcup-us.ahrq.gov/kidoverview.jsp)

[3] 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)

[4] Source: National Hospital Ambulatory Medical Care Survey\_Outpatient Department (NHAMCS\_OP), 2008-2010. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm) April 23, 2013.

[5] Source: National Ambulatory Medical Care Survey (NAMCS), 2008-2010. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm) April 23, 2013.

[6] Includes osteomyelitis, septic arthritis, soft tissue infections, Lyme disease, tuberculosis.

[7] Includes polydactyl, syndactyl, reduction deformities, and congenital deformities..

[8] includes fractures, dislocation, sprains and strains, open wound, crushing injury, contusion, traumatic compartment syndrome, unspecified injuries, injuries to nerve roots, and spinal plexus, plus diagnoses for birth trauma and child abuse.

[9] Includes Marfan syndrome, Ehlers danlos, connective disorders, Down's syndrome, and neurofibromatosis.

[10] Sports injuries are reported using the United States Consumer Product Safety Commission. National Electron Injury Surveillance System (NEISS). <https://www.cpsc.gov/cgibin/NEISSQuery/home.aspx> Accessed October 27, 2014. NEISS identifies only injuries treated in an emergency department.

Includes injuries incurred during team sports and individual sports. Cases are not included in total diagnoses.

[11] Includes chondrodystrophy, achondroplasia, hypochondroplasia, dwarfism, congenital absence of rib, Osteogenesis imperfecta, osteoporosis, and other dysplasia.

[12] Includes rheumatic fever, Reiter's disease/reactive arthritis, juvenile idiopathic arthritis, ankylosing spondylitis and inflammatory spondylopathies, psoriatic arthritis, arthropathy of inflammatory bowel disease, systemic lupus erythematosus, juvenile dermatomyositis, and localized scleroderma.

[13] Includes hemophilia, sickle cell, endocrine and metabolic disorders, Gaucher's disease, osteoporosis, hyperthyroid, rhabdomyolysis, and other conditions.

[14] Includes amplified musculoskeletal pain, juvenile primary fibromyalgia syndrome, reflex sympathetic dystrophy, benign hypermobility syndrome, and benign limb pains.