

**Table 7.12: Summary Hospital Charges for Children and Adolescents Age 20 and Under with a Primary<sup>1</sup> Diagnosis of a Musculoskeletal Related Condition, by Sex and Age, United States 2012**

	Total Hospital Charges 2012 for Musculoskeletal Related Condition (in 000 \$)										Proportion of Total Charges	Hospital Discharges [2]
	Sex		Age in Years							Total Charges		
	Male	Female	<1	1 to 5	6 to 10	11 to 13	14 to 17	18 to 20				
Musculoskeletal Infections [2]	\$ 266.7	\$ 152.2	\$ 24.0	\$ 89.5	\$ 109.2	\$ 69.8	\$ 68.5	\$ 48.2	\$	\$ 419.0	5.5%	9.1
Deformity [3]	\$ 320.7	\$ 330.8	\$ 24.3	\$ 119.5	\$ 146.3	\$ 297.1	\$ 315.1	\$ 56.1	\$	\$ 2,844.9	37.7%	30.1
Trauma [4]	\$ 2,277.7	\$ 1,063.4	\$ 183.6	\$ 355.1	\$ 353.1	\$ 327.4	\$ 869.3	\$ 1,230.4	\$	\$ 3,347.4	44.3%	72.7
Neuromuscular Conditions	\$ 214.9	\$ 163.0	\$ 108.4	\$ 52.3	\$ 60.8	\$ 48.8	\$ 61.0	\$ 27.3	\$	\$ 378.0	5.0%	4.5
Syndromes with Musculoskeletal Implications [5]	*	*	*	*	*	*	*	*	\$	\$ 60.5	0.8%	0.6
Sports Injuries [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Skeletal Dysplasias [7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Neoplasms	*	*	*	*	*	*	*	*	\$	\$ 336.3	4.5%	4.0
Rheumatologic Conditions [8]	\$ 47.9	\$ 160.4	*	\$ 15.3	\$ 17.5	\$ 35.4	\$ 75.2	\$ 64.7	\$	\$ 203.8	2.7%	4.2
Medical Problems with Musculoskeletal Implications [9]	\$ 106.6	\$ 48.1	*	\$ 21.3	\$ 22.7	\$ 17.6	\$ 31.6	\$ 51.0	\$	\$ 151.7	2.0%	4.2
Pain Syndromes [10]	\$ 18.5	\$ 25.0	*	\$ 4.6	\$ 7.0	\$ 7.3	\$ 12.9	\$ 9.8	\$	\$ 43.4	0.6%	1.9
<b>Total Children and Adolescent Musculoskeletal Related Diagnoses</b>	<b>\$ 4,149.2</b>	<b>\$ 3,440.2</b>	<b>\$ 429.1</b>	<b>\$ 774.8</b>	<b>\$ 911.7</b>	<b>\$ 1,398.7</b>	<b>\$ 2,310.7</b>	<b>\$ 1,725.4</b>	<b>\$</b>	<b>\$ 7,551.2</b>		<b>135.2</b>
Proportion Total MSK Charges	54.7%	45.3%	5.7%	10.3%	12.1%	18.5%	30.6%	22.8%				
<b>All Children and Adolescent Patients</b>	<b>\$ 73,369.9</b>	<b>\$ 68,023.6</b>	<b>\$ 71,934.9</b>	<b>\$ 15,378.3</b>	<b>\$ 9,762.2</b>	<b>\$ 8,175.6</b>	<b>\$ 16,055.2</b>	<b>\$ 19,550.9</b>	<b>\$</b>	<b>\$ 140,863.8</b>		<b>6,675.2</b>
Proportion MSK Charges of all Children and Adolescent Patient Charges	5.7%	5.1%	0.6%	5.0%	9.3%	17.1%	14.4%	8.8%		5.4%		2.0%

\* Data does not meet standards for reliability

NA: Not applicable (sports injuries) or not available (skeletal dysplasias).

[1] Primary is defined as the first diagnosis.

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

[3] Includes polydactyl, syndactyly, reduction deformities, and congenital deformities..

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

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

[6] 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

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

[8] Includes rheumatic fever, Reiter's disease/reactive arthritis, juvenile idiopathic arthritis, ankylosing spondylitis and inflammatory spondylopathies, psoriatic arthritis, arthropathy of inflammatory bowel disease,

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

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

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)