

Table 7.10: Hospital Length of Stay and Charges for Children and Adolescents Age 20 and Under with Medical Problems with Musculoskeletal (MSK) Implications Diagnosis¹, by Sex and Age, United States 2012

Hospital Discharges	Number of Hospital Discharges (in 000s)								
	Sex		Age in Years						Total
	Male	Female	<1	1 to 5	6 to 10	11 to 13	14 to 17	18 to 20	
Any Medical Problem with MSK Implication Diagnoses [2]	28.3	27.0	8.8	7.5	5.5	4.8	11.4	17.0	55.3
Primary Diagnosis [3]	3.1	1.8	*	0.7	0.5	0.4	1.3	1.6	4.8
Discharges/Visits for Any MSK Diagnoses	274.2	223.9	178.0	59.9	53.0	47.4	82.8	75.8	498.2
Proportion Any Medical Problem with MSK Implication to Any MSK Diagnoses	10.3%	12.1%	4.9%	12.5%	10.4%	10.1%	13.8%	22.4%	11.1%
Proportion Primary Medical Problem with MSK Implication to Any MSK Diagnoses	1.1%	0.8%	*	1.2%	0.9%	0.8%	1.6%	2.1%	1.0%
Discharges/Visits for All Diagnosis	3,194.5	3,478.3	4,270.0	550.4	305.8	221.0	503.0	816.0	6,675.2
Proportion Any Medical Problem with MSK Implication to All Diagnoses	0.9%	0.8%	0.2%	1.4%	1.8%	2.2%	2.3%	2.1%	0.8%
Proportion Primary Medical Problem with MSK Implication to All Diagnoses	0.1%	0.1%	*	0.1%	0.2%	0.2%	0.3%	0.2%	0.1%
Hospital Charges	Mean LOS and Charges								
Any Medical Problem with MSK Implication Diagnoses									
Mean Length of Stay	11.9	11.0	29.7	9.8	9.2	8.8	8.2	6.4	11.5
Mean Charges [4] (in 1,000 \$s)	\$ 121.3	\$ 102.9	\$ 259.4	\$ 103.8	\$ 105.7	\$ 96.8	\$ 88.1	\$ 62.1	\$ 112.3
Total Charges (in million \$s)	\$ 3,432.8	\$ 2,778.3	\$ 2,282.7	\$ 778.5	\$ 581.4	\$ 464.6	\$ 1,004.3	\$ 1,055.7	\$ 6,210.2
Primary Diagnosis [3]									
Mean Length of Stay	3.5	3.4	*	3.7	3.5	3.7	3.3	3.2	3.5
Mean Charges [4] (in 1,000 \$s)	\$ 34.4	\$ 26.7	* \$	\$ 30.4	\$ 45.3	\$ 44.1	\$ 24.3	\$ 31.9	\$ 31.6
Total Charges (in million \$s)	\$ 106.6	\$ 48.1	* \$	\$ 21.3	\$ 22.7	\$ 17.6	\$ 31.6	\$ 51.0	\$ 151.7
Any Medical Problem with MSK Implication Diagnoses									
Medical Problems [5]	10.4	7.7	1.3	2.5	1.9	1.3	4.0	6.9	18.2
Rickets [6]	18.4	19.7	7.6	5.0	3.7	3.6	7.7	10.5	38.1
Proportion of Total Medical Problem with MSK Implication Diagnoses									
Medical Problems [5]	36.7%	28.5%	14.8%	*	*	*	*	*	32.9%
Rickets [6]	65.0%	73.0%	86.4%	66.7%	67.3%	75.0%	67.5%	*	68.9%

* Data does not meet standards for reliability

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

[2] The number of possible diagnoses varies by database: KID=25; NEDS=15, NHAMCS_OP=3; NAMCS=3.

[3] Primary diagnosis defined as the first Dx.

[4] Average charges are based on individual record discharges. The fees included may vary from patient to patient, but generally include hospital room, supplies, medications, laboratory fees, and care staff, such as nurses. They generally do not include professional fees (doctors) and non-covered charges. In a small proportion of the discharge cases, professional fees (doctors) are not removed from total charges because the data source cannot provide the information. Emergency charges incurred prior to admission to the hospital may be included in total charges.

[5] Hemophilia, sickle cell, endocrine and metabolic disorders, Gaucher's disease, osteoporosis, hyperthyroid, rhabdomyolysis

[6] Vitamin D deficiency, phosphorus and calcium metabolism disorders.

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