

Table 7C.11: Hospital Discharges, Length of Stay (LOS), and Charges for Children and Adolescents Age 20 and Under with Medical Problems with Musculoskeletal (MSK) Implications Diagnosis¹, by Sex and Age, United States 2013

Hospital Discharges	Number of Hospital Discharges (in 1,000s)										
	Sex		Age in Years							Total	
	Male	Female	Neonatal	<1	1 to 4	5 to 9	10 to 13	14 to 17	18 to 20		
Any Medical Problem with MSK Implication Diagnoses [1]	27.5	27.3	5.5	3.4	6.3	5.8	5.9	11.6	16.2	54.7	
Primary Diagnosis [2]	2.9	1.8	*	0.3	0.5	0.6	0.4	1.8	1.6	4.7	
Discharges/Visits for Any MSK Diagnoses	274.2	229.6	168.8	22.2	50.5	53.9	55.1	81.5	72.0	503.9	
Proportion Any Medical Problem with MSK Implication to Any MSK Diagnoses	10.0%	11.9%	3.3%	15.3%	12.5%	10.8%	10.7%	14.2%	22.5%	10.9%	
Proportion Primary Medical Problem with MSK Implication to Any MSK Diagnoses	1.1%	0.8%	*	1.4%	1.0%	1.1%	0.7%	2.2%	2.2%	0.9%	
Discharges/Visits for All Diagnosis	3,040.9	3,262.9	3,935.2	292.4	416.1	289.8	241.9	445.2	686.0	6,303.8	
Proportion Any Medical Problem with MSK Implication to All Diagnoses	0.9%	0.8%	0.1%	1.2%	1.5%	2.0%	2.4%	2.6%	2.4%	0.9%	
Proportion Primary Medical Problem with MSK Implication to All Diagnoses	0.1%	0.1%	*	0.1%	0.1%	0.2%	0.2%	0.4%	0.2%	0.1%	
Hospital Charges	Mean LOS and Charges										
Any Medical Problem with MSK Implication Diagnoses [1]											
Mean Length of Stay	12.6	11.2	41.7	15.7	9.6	8.8	9.0	8.0	7.0	11.9	
Mean Charges [3] (in 1,000 \$s)	\$ 129.9	\$ 108.4	\$ 357.1	\$ 167.7	\$ 109.2	\$ 98.3	\$ 109.0	\$ 89.0	\$ 66.1	\$ 119.2	
Total Charges (in million \$s)	\$ 3,572.3	\$ 2,959.3	\$ 1,964.1	\$ 570.2	\$ 688.0	\$ 570.1	\$ 643.1	\$ 1,032.4	\$ 1,070.8	\$ 6,520.2	
Primary Diagnosis [2]											
Mean Length of Stay	3.1	3.5	*	6.1	3.4	2.6	4.0	2.8	3.0	3.2	
Mean Charges [3] (in 1,000 \$s)	\$ 31.3	\$ 26.4	*	\$ 36.9	\$ 30.4	\$ 27.7	\$ 46.6	\$ 33.6	\$ 20.0	\$ 29.5	
Total Charges (in million \$s)	\$ 90.8	\$ 47.5	* \$	\$ 11.1	\$ 15.2	\$ 16.6	\$ 18.6	\$ 60.5	\$ 32.0	\$ 138.7	
Any Medical Problem with MSK Implication Diagnoses [1]											
Medical Problems [5]	9.4	6.8	0.3	0.7	2.0	1.9	1.4	3.5	6.4	16.1	
Rickets [6]	18.6	20.8	5.2	2.7	4.4	4.0	4.6	8.3	10.3	39.4	
Proportion of Total Medical Problem with MSK Implication Diagnoses											
Medical Problems [5]	34.2%	24.9%	5.5%	20.6%	31.7%	32.8%	23.7%	30.2%	39.5%	29.4%	
Rickets [6]	67.6%	76.2%	94.5%	79.4%	69.8%	69.0%	78.0%	71.6%	63.6%	72.0%	

* 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] Primary diagnosis defined as the first Dx.

[3] 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.

[4] Total greater than 100% due to diagnoses for more than one deformity.

Source: HCUP National Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. <https://www.hcup-us.ahrq.gov/nisoverview.jsp>