

Table 7C.3: Hospital Discharges, Length of Stay (LOS), and Charges for Children and Adolescents Age 20 and Under with Musculoskeletal (MSK) Deformity 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 MSK Deformity Diagnoses [1]	51.9	56.1	41.2	5.1	8.7	10.2	15.3	18.2	9.3	108.1
Primary Diagnosis [2]	12.3	15.2	0.2	1.1	3.1	1.1	8.3	8.7	2.0	27.5
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 MSK Deformity to Any MSK Diagnoses	18.9%	24.4%	24.4%	23.0%	17.2%	18.9%	27.8%	22.3%	12.9%	21.5%
Proportion Primary MSK Deformity to Any MSK Diagnoses	4.5%	6.6%	0.1%	5.0%	6.1%	2.0%	15.1%	10.7%	2.8%	5.5%
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 MSK Deformity to All Diagnoses	1.7%	1.7%	1.0%	1.7%	2.1%	3.5%	6.3%	4.1%	1.4%	1.7%
Proportion Primary MSK Deformity to All Diagnoses	0.4%	0.5%	0.0%	0.4%	0.7%	0.4%	3.4%	2.0%	0.3%	0.4%
Hospital Charges	Mean LOS and Charges									
Any MSK Deformity Diagnoses [1]										
Mean Length of Stay	6.7	5.9	7.5	9.1	4.6	4.5	5.2	5.7	5.9	6.3
Mean Charges [3] (in 1,000 \$s)	\$ 72.2	\$ 69.3	\$ 47.6	\$ 93.8	\$ 58.0	\$ 63.3	\$ 96.3	\$ 101.3	\$ 77.8	\$ 70.7
Total Charges (in million \$s)	\$ 3,747.2	\$ 3,887.7	\$ 1,961.1	\$ 478.4	\$ 504.6	\$ 645.7	\$ 1,473.4	\$ 1,843.7	\$ 723.5	\$ 7,642.7
Primary Diagnosis [3]										
Mean Length of Stay	3.9	4.2	10.1	2.3	2.7	3.6	4.3	4.5	4.8	4.1
Mean Charges [3] (in 1,000 \$s)	\$ 87.4	\$ 110.6	\$ 79.8	\$ 42.7	\$ 49.1	\$ 64.8	\$ 112.5	\$ 124.8	\$ 123.6	\$ 100.2
Total Charges (in million \$s)	\$ 1,075.0	\$ 1,681.1	\$ 16.0	\$ 47.0	\$ 152.2	\$ 71.3	\$ 933.8	\$ 1,085.8	\$ 247.2	\$ 2,755.5
Any MSK Deformity Diagnoses [1]										
Upper extremity	11.6	8.9	16.1	1.2	1.2	0.8	0.5	0.5	0.3	20.6
Lower extremity	17.0	14.2	17.3	1.5	2.6	2.7	3.3	2.7	1.2	31.3
Hip and pelvis	5.2	9.3	5.9	0.7	1.7	1.8	2.3	1.4	0.6	14.5
Spine	18.1	25.9	2.8	1.8	3.8	5.8	9.8	12.9	7.0	44.0
Other and unspecified	4.9	2.4	2.5	0.5	0.7	0.5	0.8	1.7	0.6	7.3
Proportion of Total MSK Deformity Diagnoses [4]										
Upper extremity	22.4%	15.9%	39.1%	23.5%	13.8%	7.8%	3.3%	2.7%	3.2%	19.1%
Lower extremity	32.8%	25.3%	42.0%	29.4%	29.9%	26.5%	21.6%	14.8%	12.9%	29.0%
Hip and pelvis	10.0%	16.6%	14.3%	13.7%	19.5%	17.6%	15.0%	7.7%	6.5%	13.4%
Spine	34.9%	46.2%	6.8%	35.3%	43.7%	56.9%	64.1%	70.9%	75.3%	40.7%
Other and unspecified	9.4%	4.3%	6.1%	9.8%	8.0%	4.9%	5.2%	9.3%	6.5%	6.8%

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

[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>