

Table 3.5.2: Spinal Fusion for Spinal Deformity Fractures [1] by Sex and Age, United States 2010/2011

	Total	Sex		Age				
		Male	Female	<18 Years	18 to 44	45 to 64	65 to 74	75 & Older
NIS [2]								
Fracture Discharges (in 000s)	334.3	137.8	196.3	5.6	47.5	69.9	51.4	159.8
Fusion Procedures for Fractures (in 000s)	29.5	16.8	12.7	0.8	8.3	10.1	5.1	5.1
% Fusion to Fracture	8.8%	12.2%	6.5%	14.3%	17.5%	14.4%	9.9%	3.2%
NEDS-IP [3,4]								
Fracture Discharges (in 000s)	269.9	116.7	153.2	6.0	47.6	57.0	36.0	123.3
Fusion Procedures for Fractures (in 000s)	18.2	12.0	6.2	0.8	6.8	6.2	2.1	2.3
% Fusion to Fracture	6.7%	10.3%	4.0%	13.3%	14.3%	10.9%	5.8%	1.9%
NHDS [5]								
Fracture Discharges (in 000s)	343.2	150.5	192.8	5.7	54.5	72.9	48.1	162.0
Fusion Procedures for Fractures (in 000s)	28.5	16.8	11.6	*	8.5	8.3	4.6	6.1
% Fusion to Fracture	8.3%	11.2%	6.0%	15.8%	15.6%	11.4%	9.6%	3.8%
Average Across All Data Sources								
Fracture Discharges (in 000s)	315.8	135.0	180.8	5.8	49.9	66.6	45.2	148.4
Fusion Procedures for Fractures (in 000s)	25.4	15.2	10.2	0.8	7.9	8.2	3.9	4.5
% Fusion to Fracture	8.0%	11.3%	5.6%	14.5%	15.8%	12.3%	8.7%	3.0%

[1] Includes ICD-9-CM codes for vertebral compression fractures and traumatic fractures.

[2] Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2011. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nisoverview.jsp

[3] 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

[4] Approximately 1 in 6 (15.3%) of emergency department visits resulted in the patient being admitted to the ED hospital. This group of patients form a separate, and unique, database of hospital discharge patients. In the 2010 NEDS data set, this constitutes 19.7 million hospital discharges.

[5] Source: National Hospital Discharge Survey (NHDS), Annual Average Merged Years 2008 to 2010. www.cdc.gov/nchs/nhds/nhds_questionnaires.htm April 23, 2013.