

Table 3.5.4: Vertebroplasty/Kyphoplasty Procedures for Vertebral Compression Fractures (VCF) 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 [1]								
Surgical procedure	10.9%	7.4%	13.3%	*	1.2%	6.7%	13.3%	15.0%
No surgery	89.1%	92.6%	86.7%	*	98.8%	93.3%	86.7%	85.0%
Total VCF Discharges	324.0	130.6	193.4	*	43.3	67.5	50.3	157.8
NEDS-IP [2, 3]								
Surgical procedure	9.8%	6.1%	12.5%	0.3%	0.8%	5.5%	11.6%	14.9%
No surgery	90.2%	93.7%	87.5%	99.7%	99.2%	94.5%	88.4%	85.1%
Total VCF Discharges	260.7	110.1	150.6	5.4	43.6	54.6	35.1	121.9
NHDS [4]								
Surgical procedure	14.9%	9.2%	19.2%	*	*	8.3%	19.0%	21.4%
No surgery	85.1%	90.8%	80.8%	*	*	91.7%	80.1%	78.6%
Total VCF Discharges	332.0	141.7	190.3	*	*	71.0	47.4	157.3
Average Across All Data Sources								
Surgical procedure	11.9%	7.6%	15.0%	0.1%	1.0%	6.8%	14.6%	17.1%
No surgery	88.1%	92.4%	85.0%	99.9%	99.0%	93.2%	85.1%	82.9%
Total VCF Discharges	305.6	127.5	178.1	5.2	46.0	64.4	44.3	145.7

* Data does not meet standards for reliability.

[1] 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

[2] 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

[3] 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

[4] Source: National Hospital Discharge Survey (NHDS), Annual Average Merged Years 2008 to 2010.

www.cdc.gov/nchs/nhds/nhds_questionnaires.htm April 23, 2013.