

Table 7B.2: Spine Conditions, by Age, United States

	Age Group				Total
	<18	18-44	45-64	65 & Over	
Self-Reported Prevalence of Back Pain Persons Aged 18 and Over, United States 2013-2015					
Number Reporting Pain in Past 3 Months (in 000s)					
Neck		13,619.2	15,871.1	7,247.5	36,737.9
Lower Back		26,877.7	27,864.7	15,168.8	69,911.2
Back w/Radiating Leg		6,882.8	11,947.5	6,133.9	24,964.2
Any Back Pain		31,949.0	32,887.4	18,274.4	83,110.9
Prevalence of Pain by Site (rate per 100 persons)					
Neck		11.8	19.0	15.7	15.0
Lower Back		23.3	33.3	32.8	28.5
Back w/Radiating Leg		6.0	14.3	13.3	10.2
Any Back Pain		27.7	39.3	39.5	33.9
Total Health Care Visits for Lumbar/Low Back Pain, 2013 (in 000s) [1, 2]					
Back Disorders	876.0	13,738.7	22,444.8	13,974.5	50,851.4
Disc Disorders	19.1	2,265.7	4,963.2	2,706.6	9,954.7
Back Injury	409.9	3,003.6	2,762.0	988.1	7,165.7
All Lumbar/Low Back Pain (3)	1,272.3	17,324.3	27,142.1	16,131.7	61,870.9
% of Total Visits	2%	28%	44%	26%	
Rate per 100 Persons	1.7	15.1	32.7	36.1	19.6
Total Health Care Visits for Neck/Cervical Pain, 2013 (in 000s) [2,3]					
Cervical Disorders	471.7	3,867.2	7,910.0	3,226.7	15,475.8
Cervical Disc Disorders	0.5	842.2	1,988.6	699.2	3,530.8
Neck Injury	224.2	2,254.9	1,732.5	567.6	4,782.5
All Cervical/Neck Pain [3]	671.6	6,199.0	10,354.7	4,213.7	21,439.1
% of Total Visits	3%	29%	48%	20%	
Rate per 100 Persons	0.9	5.4	12.5	9.4	6.8
Total Back Pain (Lumbar and Cervical) Diagnoses					
Hospital Discharges [1]	48.2	487.6	1,076.0	1,364.9	2,977.0
Emergency Department Visits [2]	514.5	5,437.5	3,942.3	2,395.4	12,290.0
Hospital Outpatient Visits [3]	437.3	1,824.4	2,397.7	1,112.4	5,771.8
Physician Office Visits [4]	1,650.6	14,135.4	26,665.7	14,682.5	57,134.3
All Back Pain Diagnoses [5]	2,650.6	21,884.9	34,081.7	19,555.2	78,173.1
Rate Per 100 Patient Visits	1.3	6.8	9.5	6.0	6.4
Diagnoses Per 100 U.S. Population [6]	3.6	19.1	41.0	43.7	24.7
Bed Days [4] Due to Spine Pain or Problems [5] for Persons Aged 18 and Over [6]					
Persons Reporting Bed Days (in 000s)		12,681.4	9,555.8	1,102.4	23,339.6
% of Workforce with Bed Days		13.8%	15.3%	11.8%	14.3%
Mean Bed Days		6.2	9.0	14.9	7.8
Total Bed Days (in millions)		78.6	86.0	16.4	182.0
% of Total Bed Days		43%	47%	9%	
Lost Work Days [7] Due to Spine Pain or Problems [5] for Persons Aged 18 and Over [6]					
Persons Reporting Lost Work Days (in 000s)		13,661.4	10,543.9	923.8	25,129.1
% of Workforce with Lost Work Days		14.8%	16.9%	9.9%	15.4%
Mean Work Days Lost		8.6	12.5	16.2	10.5
Total Work Days Lost (in millions)		117.5	131.8	15.0	263.9
% of Total Lost Work Days		45%	50%	6%	
Hospital Discharges with Back Pain Diagnoses Where Discharge Included Surgical Procedure [8]					
All Back Pain Discharges	16.2	379.5	854.4	1,113.3	2,363.5
Discharges with Spine Fusion Procedure [9]	12.0	76.6	216.0	149.5	454.0
% Diagnoses with Spinal Fusion Procedure	74.1%	20.2%	25.3%	13.4%	19.2%

Table 7B.2: Spine Conditions, by Age, United States

[1] Back disorders include inflammatory spine conditions, spondylosis, spinal stenosis, lumbago, sciatica, backache, and disorders of the sacrum (ICD-9-CM codes 720, 721, and 724). Disc disorders include herniation, disc degeneration, and post laminectomy syndromes (ICD-9-CM code 722). Back injuries include fractures, dislocation, and sprains (ICD-9-CM codes 805, 806, 839, 846, and 847). This division, while useful in analyzing the databases, may not always accurately reflect the primary diagnosis. Further, there is some overlap.

[2] Sources: HCUP National Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nisoverview.jsp; HCUP Nationwide Emergency Department Sample (NEDS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nedsoverview.jsp; National Ambulatory Medical Care Survey (NAMCS), 2013. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm January 14, 2016; National Hospital Ambulatory Medical Care Survey_Outpatient Department (NHAMCS_OP), 2011. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm May 23, 2016.

[3] In presenting health care resource utilization for cervical pain, three categories of cervical pain are addressed. One is labeled cervical disc disorders, and includes disc displacement, herniation, and disc degeneration (ICD-9-CM code 722). A second group is cervical injuries, and includes sprains, strains, and fractures (ICD-9-CM codes 805, 806, 839, and 847). A third group, referred to as cervical disorders, includes pain caused by other disease entities, including cervical spondylosis and stenosis (ICD-9-CM codes 721 and 723).

[4] A bed day is defined as 1/2 or more days in bed due to injury or illness in past 12 months, excluding hospitalization.

[5] Replied "yes" when ask "During the PAST THREE MONTHS, did you have ...Low back pain?/ Neck pain?"

[6] Source: National Health Interview Survey (NHIS)_Injury database, 2015. <http://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm> July 23, 2016.

[7] A missed work day is defined as absence from work due to illness or injury in the past 12 months, excluding maternity or family leave.

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

[9] ICD-9-CM codes 8100 thru 8108; 8130 thru 8138.