

**Table 7D.2: Spine Conditions, by Race/Ethnicity, United States**

	<u>White Only, Non-Hispanic</u>	<u>Black Only, Non-Hispanic</u>	<u>Hispanic</u>	<u>Other/Mixed, Non-Hispanic</u>	<u>Total</u>
<b>Self-Reported Prevalence of Back Pain Persons Aged 18 and Over, United States 2013-2015</b>					
<b>Number Reporting Pain in Past 3 Months (in 000s)</b>					
Neck	25,965.3	3,663.8	4,857.5	2,251.4	36,737.9
Lower Back	48,700.8	7,897.5	9,345.2	3,967.7	69,911.2
Back w/Radiating Leg	17,060.4	3,056.9	3,507.2	1,339.8	24,964.2
Any Back Pain	58,136.6	9,081.5	10,933.4	4,959.4	83,110.9
% Lower Back Pain with Radiating Leg Pain	35%	39%	38%	34%	36%
<b>Prevalence of Pain by Site (rate per 100 persons)</b>					
Neck	16.3	12.5	13.5	12.0	15.0
Lower Back	30.5	26.9	25.9	21.1	28.5
Back w/Radiating Leg	10.7	10.4	9.7	7.1	10.2
Any Back Pain	36.4	31.0	30.3	26.4	33.9
<b>Total Healthcare Visits for Lumbar/Low Back Pain, 2013 (in 000s) [1, 2]</b>					
Back Disorders	30,378.8	5,747.0	5,811.5	1,672.6	50,851.4
Disc Disorders	7,270.6	934.0	662.6	370.2	9,954.7
Back Injury	2,720.7	512.8	1,311.5	449.3	7,165.7
All Lumbar/Low Back Pain (3)	36,388.1	6,482.0	7,178.5	2,211.1	61,870.9
% of Total Visits	59%	10%	12%	4%	
Rate per 100 Persons	18.4	17.1	14.2	7.3	19.6
<b>Total Healthcare Visits for Neck/Cervical Pain, 2013 (in 000s) [2,3]</b>					
Cervical Disorders	9,469.1	1,305.0	2,270.1	396.8	15,475.8
Cervical Disc Disorders	2,543.0	203.0	454.1	82.3	3,530.8
Neck Injury	1,403.3	371.2	843.2	490.8	4,782.5
All Cervical/Neck Pain [3]	12,162.8	1,700.0	3,021.7	913.4	21,439.1
% of Total Visits	57%	8%	14%	4%	
Rate per 100 Persons	6.2	4.5	6.0	3.0	6.8
<b>Bed Days [4] Due to Spine Pain or Problems [5] for Persons Aged 18 and Over [6]</b>					
Persons Reporting Bed Days (in 000s)	16,475.8	2,312.8	3,097.7	1,453.2	23,339.6
% of Workforce with Bed Days	15.7%	12.3%	11.5%	11.3%	14.3%
Mean Bed Days	8.2	8.7	6.3	4.8	7.8
Total Bed Days (in millions)	135.1	20.1	19.5	7.0	182.0
% of Total Bed Days	74%	11%	11%	4%	
<b>Lost Work Days [7] Due to Spine Pain or Problems [5] for Persons Aged 18 and Over [6]</b>					
Persons Reporting Lost Work Days (in 000s)	17,712.8	2,612.3	3,172.0	1,632.0	25,129.1
% of Workforce with Lost Work Days	16.9%	13.9%	11.8%	12.6%	15.4%
Mean Work Days Lost	10.1	9.9	14.1	9.0	10.5
Total Work Days Lost (in millions)	178.9	25.9	44.7	14.7	263.9
% of Total Lost Work Days	68%	10%	17%	6%	
<b>Hospital Discharges with Back Pain Diagnoses Where Discharge Included Surgical Procedure [8]</b>					
All Back Pain Discharges					2,363.5
Discharges with Spine Fusion Procedure [9]					454.0
% Diagnoses with Spinal Fusion Procedure					19.2%

[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](http://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](http://www.hcup-us.ahrq.gov/nedsoverview.jsp); National Ambulatory Medical Care Survey (NAMCS), 2013. [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://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](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm) May 23, 2016.

[3] In presenting healthcare 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](http://www.hcup-us.ahrq.gov/nisoverview.jsp)

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