

Table 9B.2.2: Health Care Visits for Spine Conditions for Persons Age 18 and Over, by Age, United States, 2010

HEALTH CARE VISITS [1]	Total Number of Visits (in 000s)				Total Age 18 & Over
	18-44	45-64	65-74	75 & over	
Total Number of Health Care Visits with Low Back Disorder Diagnoses, 2010 [2]					
Back Disorders	11,955.8	16,485.9	5,602.8	4,484.1	38,528.6
Disc Disorders	2,492.4	4,309.4	1,482.2	1,287.6	9,571.6
Back Injury	3,567.2	2,647.7	488.0	542.6	7,245.5
All Lumbar/Low Back Pain [3]	16,354.6	21,430.9	7,289.6	5,777.0	50,852.1
% of Total Visits	32%	42%	14%	11%	100%
Rate Per 100 Patient Visits	4.6	5.9	4.7	3.7	4.1
Rate per 100 Persons	14.5	26.2	33.4	31.0	16.9
Total Health Care Visits with Neck and Cervical Spine Disorder Diagnosis, All Ages, 2010 [4]					
Cervical Disorders	2,664.6	4,863.9	1,701.2	1,054.4	10,284.1
Cervical Disc Disorders	651.5	1,420.5	111.9	130.3	2,314.2
Neck Injury	2,102.5	1,377.0	217.9	208.9	3,906.3
All Cervical/Neck Pain [3]	5,068.5	7,413.5	1,892.9	1,253.2	15,628.1
% of Total Visits	32%	47%	12%	8%	100%
Rate Per 100 Patient Visits	1.4	2.1	1.2	0.8	1.3
Rate per 100 Persons	4.5	9.1	8.7	6.7	5.3
Total Back Pain (Lumbar and Cervical) Diagnoses					
Hospital Discharges	470.9	910.0	452.6	680.0	2,561.8
Emergency Department Visits	4,338.4	2,384.5	*	*	8,276.3
Hospital Outpatient Visits	1,037.6	1,673.8	449.9	395.9	3,927.1
Physician Office Visits	14,265.7	22,298.8	7,472.0	5,315.3	50,656.9
All Back Pain Diagnoses [5]	20,112.6	27,267.1	8,907.6	6,843.3	65,422.1
Rate Per 100 Patient Visits	5.7	7.5	5.7	4.4	5.1
Diagnoses Per 100 US Population	17.8	33.3	40.8	36.8	21.1
Total Number of Spinal Diagnosis (in 000s)					
SURGICAL PROCEDURES [6]	18-44	45-64	65-74	75 & over	Total Age 18 & Over
Hospital Discharges with Back Pain Diagnoses Where Discharge Included Spinal Fusion Procedure [6]					
All Back Pain Diagnoses Discharges	542	1,158	579	866	3,186
Discharges with Spine Fusion Procedure	92	237	101	48	488
% Diagnoses with Spinal Fusion Procedure	17.0%	20.5%	17.4%	5.5%	15.3%
Hospital Discharges with Back Pain Diagnoses Where Discharge Included Spinal Discectomy Procedure [7]					
All Back Pain Diagnoses Discharges	542	1,158	579	866	3,186
Discharges with Spinal Discectomy Procedure	91	183	66	28	370
% Diagnoses with Spinal Discectomy Procedure	16.7%	15.8%	11.4%	3.3%	11.6%

* Estimate does not meet standards for reliability.

[1] Sources: National Hospital Discharge Survey (NHDS), 2010. www.cdc.gov/nchs/nhds/nhds_questionnaires.htm April 23, 2013; National Hospital Ambulatory Medical Care Survey_Emergency Department (NHAMCS_ED), 2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013; National Hospital Ambulatory Medical Care Survey_Outpatient Department (NHAMCS_OP), 2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013; National Ambulatory Medical Care Survey (NAMCS), 2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013.

[2] 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.

[3] Total visits may be lower than sum of diagnoses due to multiple diagnoses per patient. Visits also do not include those made to other types of medical care providers, such as chiropractic or physical therapy.

[4] 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).

[5] ICD-9-CM procedure codes 8100 through 8108; 8130 through 8138.

[6] 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

[7] ICD-9-CM procedure codes: 805.00, 805.10