

Table 2.3.2: Prevalence of Neck and Cervical Spine Disorders [1] by Age, United States 2010

	Total Discharges/ Visits	Age in Years					Ave Age for Dx
		<18	18-44	45-64	65-74	75 & over	
Hospital Discharges [2] (in 000s)							
Cervical Disorders	315.1	*	43.3	139.7	51.1	76.8	60.4
Cervical Disc Disorders	173.2	*	*	97.1	22.2	21.7	55.8
Neck Injury	76.2	*	19.4	19.4	*	27.6	58.3
All Cervical/Neck Pain [6]	525.1	*	92.2	230.5	75.9	119.6	58.7
Rate Per 100 Patient Visits	1.3	0.1	1.0	2.4	1.5	1.4	
Diagnoses Per 100 U.S. Population [7]	0.2	0.0	0.1	0.3	0.3	0.6	
Emergency Department Visits [2] (in 000s)							
Cervical Disorders	853.4	*	415.1	241.0	*	*	43.6
Cervical Disc Disorders	*	*	*	*	*	*	*
Neck Injury	1,694.4	259.1	948.4	365.7	*	*	35.2
All Cervical/Neck Pain [6]	2,497.4	327.4	1,330.1	603.1	140.2	96.6	37.9
Rate Per 100 Patient Visits	1.9	1.1	2.5	2.2	1.7	0.9	
Diagnoses Per 100 U.S. Population [7]	0.8	0.4	1.2	0.7	0.6	0.5	
Hospital Outpatient Visits [4] (in 000s)							
Cervical Disorders	621.4	*	157.6	283.3	66.3	*	49.6
Cervical Disc Disorders	137.3	*	*	*	*	*	*
Neck Injury	104.6	*	*	*	*	*	*
All Cervical/Neck Pain [6]	838.7	*	226.4	386.7	*	*	50.2
Rate Per 100 Patient Visits	0.8	0.2	0.8	1.4	9.0	0.8	
Diagnoses Per 100 U.S. Population [7]	0.3	0.1	0.2	0.5	0.5	0.4	
Physician Office Visits [5] (in 000s)							
Cervical Disorders	8,764.9	*	2,048.6	4,199.9	1,501.8	*	53.4
Cervical Disc Disorders	2,103.1	*	*	*	*	*	49.2
Neck Injury	2,317.7	*	*	*	*	*	45.0
All Cervical/Neck Pain [6]	12,449.3	*	3,419.8	6,193.2	1,576.0	*	51.0
Rate Per 100 Patient Visits	1.2	0.2	1.3	2.1	1.2	0.8	
Diagnoses Per 100 U.S. Population [7]	4.0	0.4	3.0	7.6	7.2	5.2	
Total Health Care Visits for Neck and Cervical Spine Disorders, 2010 (in 000s)							
Cervical Disorders	10,554.8	270.5	2,664.6	4,863.9	1,701.2	1,054.4	
Cervical Disc Disorders	2,447.7	133.5	651.5	1,420.5	111.9	130.3	
Neck Injury	4,192.9	286.5	2,102.5	1,377.0	217.9	208.9	
All Cervical/Neck Pain [6]	16,310.5	682.3	5,068.5	7,413.5	1,892.9	1,253.2	
Rate Per 100 Patient Visits	1.3	0.3	1.4	2.1	1.2	0.8	
Diagnoses Per 100 U.S. Population [7]	5.3	0.9	4.5	9.1	8.7	6.7	

* Estimate does not meet standards for reliability.

[1] 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).

[2] Source: National Hospital Discharge Survey (NHDS), 2010. www.cdc.gov/nchs/nhds/nhds_questionnaires.htm April 23, 2013.

[3] Source: National Hospital Ambulatory Medical Care Survey_Emergency Department (NHAMCS_ED), 2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013.

[4] Source: National Hospital Ambulatory Medical Care Survey_Outpatient Department (NHAMCS_OP), 2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013.

[5] Source: National Ambulatory Medical Care Survey (NAMCS), 2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013.

[6] Total visits may be lower than sum of diagnoses due to multiple diagnoses per patient.

[7] Adjusted to 2010 U.S. Census Population Estimates. There is the potential for multiple diagnoses per person which is not accounted for.