

Table 2.3.1: Prevalence of Neck and Cervical Spine Disorders [1] by Sex, United States 2010

	Total Discharges/ Visits	% of Total by Type [6]	Discharges/Visits		% of Total	
			Male	Female	Male	Female
Hospital Discharges [2] (in 000s)						
Cervical Disorders	315.1	60%	136.8	178.3	43%	57%
Cervical Disc Disorders	173.2	33%	81.4	91.8	47%	53%
Neck Injury	76.2	15%	42.9	33.3	56%	44%
All Cervical/Neck Pain [6]	525.1	108%	244.0	281.1	46%	54%
Rate Per 100 Patient Visits	1.3		1.5	1.2		
Diagnoses Per 100 U.S. Population [7]	0.2		0.2	0.2		
Emergency Department Visits [3] (in 000s)						
Cervical Disorders	853.4	34%	368.9	484.5	43%	57%
Cervical Disc Disorders	*	1%	*	*	*	*
Neck Injury	1,694.4	68%	736.2	958.2	43%	57%
All Cervical/Neck Pain [6]	2,497.4	103%	1,098.4	1,399.0	44%	56%
Rate Per 100 Patient Visits	1.9		1.9	2.0		
Diagnoses Per 100 U.S. Population [7]	0.8		0.7	0.9		
Hospital Outpatient Visits [4] (in 000s)						
Cervical Disorders	621.4	74%	210.7	410.7	34%	66%
Cervical Disc Disorders	137.3	16%	*	*	*	*
Neck Injury	104.6	12%	*	*	*	*
All Cervical/Neck Pain [6]	838.7	103%	306.8	531.8	37%	63%
Rate Per 100 Patient Visits	0.8		0.8	0.9		
Diagnoses Per 100 U.S. Population [7]	0.3		0.2	0.3		
Physician Office Visits [5] (in 000s)						
Cervical Disorders	8,764.9	70%	3,826.2	4,938.7	44%	56%
Cervical Disc Disorders	2,103.1	17%	*	*	*	*
Neck Injury	2,317.7	19%	*	*	*	*
All Cervical/Neck Pain [6]	12,449.3	106%	5,668.3	6,781.0	46%	54%
Rate Per 100 Patient Visits	1.2		1.3	1.2		
Diagnoses Per 100 U.S. Population [7]	4.0		3.7	4.3		
Total Health Care Visits for Neck and Cervical Spine Disorders, 2010 (in 000s)						
Cervical Disorders	10,554.8	65%	4,542.6	6,012.2	43%	57%
Cervical Disc Disorders	2,447.7	15%	1,387.3	1,060.4	57%	43%
Neck Injury	4,192.9	26%	2,051.4	2,141.5	49%	51%
All Cervical/Neck Pain [6]	16,310.5	105%	7,317.5	8,992.9	45%	55%
Rate Per 100 Patient Visits	1.3		1.4	1.2		
Diagnoses Per 100 U.S. Population [7]	5.3		4.8	5.7		

* 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.