

Table 2A.10.4: Average Length of Hospital Stay (LOS) and Mean Hospital Charges for Low Back and Neck Pain Disorders, by Geographic Region, United States 2013

Length of Stay (LOS)	Northeast			Midwest			South			West		
	Mean LOS All Discharges	Discharges (in 000s)	Total Hospital Days (in 000s)	Mean LOS All Discharges	Discharges (in 000s)	Total Hospital Days (in 000s)	Mean LOS All Discharges	Discharges (in 000s)	Total Hospital Days (in 000s)	Mean LOS All Discharges	Discharges (in 000s)	Total Hospital Days (in 000s)
Lumbar/Low Back Pain												
Back Disorders	5.1	312.1	1,591.71	4.6	445.8	2,050.68	4.7	666.6	3,133.02	4.6	357.9	1,646.34
Disc Disorders	4.6	86.8	399.28	4.3	127.3	547.39	4.5	227.9	1,025.55	4.5	111.5	501.75
Back Injury	7.0	31.2	218.40	6.0	42.9	257.40	7.1	78.3	555.93	6.9	39.6	273.24
All Lumbar and Low Back Pain	5.2	407.3	2,117.96	4.6	574.8	2,644.08	4.9	904.6	4,432.54	4.7	476.8	2,240.96
Ratio Lumbar Back Pain to All Visits	1.04			1.05			1.07			1.09		
Proportion Lumbar/Low Back to Total Discharges		6%	6%		7%	8%		7%	7%		7%	7%
Cervical/Neck Pain												
Neck Disorders	4.7	64.0	300.80	4.4	97.0	426.80	4.3	157.2	675.96	4.5	83.5	375.75
Cervical Disc Disorders	3.6	32.6	117.36	3.3	41.4	136.62	3.4	82.0	278.80	3.6	40.0	144.00
Neck Injury	7.0	13.2	92.40	6.2	17.9	110.98	7.6	29.6	224.96	7.7	16.1	123.97
All Cervical Back Pain	4.7	102.1	479.87	4.4	143.2	630.08	4.5	241.3	1,085.85	4.7	127.6	599.72
Ratio Cervical/Neck Pain to All Visits	0.94			1.00			0.98			1.09		
Proportion Cervical/Neck to Total Discharges		2%	1%		2%	2%		2%	2%		2%	2%
All Back Pain Disorders	5.1	516.4	2,633.64	4.6	717.4	3,300.04	4.8	1,142.7	5,484.96	4.7	600.5	2,822.35
All Hospital Visits	5.0	6,731.0	33,655.00	4.4	8,004.9	35,221.56	4.6	13,818.0	63,562.80	4.3	7,043.9	30,288.77
Ratio Back Pain to All Visits	1.02			1.05			1.04			1.09		
Proportion Back Pain of Total Discharges		8%	8%		9%	9%		8%	9%		9%	9%

Table 2A.10.4: Average Length of Hospital Stay (LOS) and Mean Hospital Charges for Low Back and Neck Pain Disorders, by Geographic Region, United States 2013

Mean Charges	Northeast			Midwest			South			Discharges for Female Sex		
	Mean Charges (in \$1, 000s)	Discharges (in 000s)	Total Hospital Charges (in millions)	Mean Charges (in \$1, 000s)	Discharges (in 000s)	Total Hospital Charges (in millions)	Mean Charges (in \$1, 000s)	Discharges (in 000s)	Total Hospital Charges (in millions)	Mean Charges (in \$1, 000s)	Discharges (in 000s)	Total Hospital Charges (in millions)
Lumbar/Low Back Pain												
Back Disorders	\$44.2	312.1	\$13,794.8	\$37.1	445.8	\$16,539.2	\$44.6	666.6	\$29,730.4	\$63.1	357.9	\$22,583.5
Disc Disorders	\$56.0	86.8	\$4,860.8	\$48.4	127.3	\$6,161.3	\$58.9	227.9	\$13,423.3	\$88.8	111.5	\$9,901.2
Back Injury	\$78.3	31.2	\$2,443.0	\$59.8	42.9	\$2,565.4	\$78.5	78.3	\$6,146.6	\$110.7	39.6	\$4,383.7
All Lumbar and Low Back Pain	\$48.4	407.3	\$19,713.3	\$40.0	574.8	\$22,992.0	\$49.3	904.6	\$44,596.8	\$70.7	476.8	\$33,709.8
Ratio Lumbar Back Pain to All Visits	1.16			1.25			1.34			1.36		
Proportion Lumbar/Low Back to Total Charges		6%	7%		7%	9%		7%	9%		7%	9%
Cervical/Neck Pain												
Neck Disorders	\$51.1	64.0	\$3,270.4	\$41.5	97.0	\$4,025.5	\$51.1	157.2	\$8,032.9	\$72.5	83.5	\$6,053.8
Cervical Disc Disorders	\$53.8	32.6	\$1,753.9	\$45.7	41.4	\$1,892.0	\$54.7	82.0	\$4,485.4	\$81.8	40.0	\$3,272.0
Neck Injury	\$96.7	13.2	\$1,276.4	\$70.3	17.9	\$1,258.4	\$95.1	29.6	\$2,815.0	\$133.0	16.1	\$2,141.3
All Cervical Back Pain	\$56.9	102.1	\$5,809.5	\$45.3	143.2	\$6,487.0	\$56.2	241.3	\$13,561.1	\$81.2	127.6	\$10,361.1
Ratio Cervical/Neck Pain to All Visits	1.36			1.41			1.53			1.57		
Proportion Cervical/Neck to Total Charges		2%	2%		2%	3%		2%	3%		2%	3%
All Back Pain Disorders	\$50.5	516.4	\$26,078.2	\$41.3	717.4	\$29,628.6	\$50.6	1,142.7	\$57,820.6	\$73.2	600.5	\$43,956.6
All Hospital Visits	\$41.7	6,731.0	\$280,682.7	\$32.1	8,004.9	\$256,957.3	\$36.8	13,818.0	\$508,502.4	\$51.8	7,043.9	\$364,874.0
Ratio Back Pain to All Visits	1.21			1.29			1.38			1.41		
Proportion Back Pain of Total Discharges		8%	9%		9%	12%		8%	11%		9%	12%

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