

Table 2.9.2: Average Length of Hospital Stay (LOS) and Mean Hospital Charges for Low Back and Neck Pain Disorders, 2011

Length of Stay (LOS)	Sex		Age					Mean LOS All Discharges	Number of Discharges (in 000s)	Total Hospital Days (in 000s)
	Male	Female	< 18	18 to 44	45-64	64 to 75	75 & Over			
Lumbar/Low Back Pain										
Back Disorders	4.7	4.7	5.7	4.2	4.6	4.8	5.1	4.7	1,877.7	8,825.19
Disc Disorders	4.4	4.5	3.6	3.5	4.3	4.6	5.2	4.4	634.9	2,793.56
Back Injury	7.3	6.0	8.3	7.4	7.5	6.6	5.6	6.6	192.5	1,270.50
All Lumbar and Low Back Pain	4.8	4.8	6.4	4.3	4.6	4.8	5.2	4.8	2,527.6	12,132.48
Ratio Lumbar Back Pain to All Visits	0.96	1.09	1.88	1.19	0.92	0.92	0.96	1.04		
Proportion Lumbar/Low Back Pain to Total Discharges									7%	7%
Cervical/Neck Pain										
Neck Disorders	4.6	4.2	5.5	3.6	3.9	4.7	5.3	4.4	421.0	1,852.40
Cervical Disc Disorders	3.5	3.3	5.0	2	3.1	4	5.0	3.4	229.8	781.32
Neck Injury	7.5	5.9	7.3	7.0	7.1	7.0	6.0	6.7	74.9	501.83
All Cervical Back Pain	4.7	4.2	6.1	4.0	4.0	4.8	5.4	4.4	659.2	2,900.48
Ratio Cervical/Neck Pain to All Visits	0.94	0.95	1.79	1.11	0.80	0.92	1.00	0.96		
Proportion Cervical/Neck Pain to Total Discharges									2%	2%
All Back Pain Disorders	4.8	4.7	6.2	4.2	4.5	4.9	5.2	4.7	3,186.0	14,974.20
All Hospital Visits	5.0	4.4	3.4	3.6	5.0	5.2	5.4	4.6	38,590.7	177,517.22
Ratio Back Pain to All Visits	0.96	1.07	1.82	1.17	0.90	0.94	0.96	1.02		
Proportion Back Pain of Total Discharges									8%	8%

Mean Charges (in \$000s)	Sex		Age					Mean Charges (in 000s)	Number of Discharges (in 000s)	Total Hospital Charges (in millions)
	Male	Female	< 18	18 to 44	45-64	64 to 75	75 & Over			
Lumbar/Low Back Pain										
Back Disorders	\$ 43.9	\$ 40.3	\$ 34.1	\$ 33.1	\$ 44.2	\$ 49.5	\$ 38.5	\$ 41.8	1,877.7	\$ 78,487.9
Disc Disorders	\$ 59.2	\$ 55.0	\$ 48.8	\$ 53.4	\$ 61.8	\$ 63.5	\$ 45.1	\$ 56.9	634.9	\$ 36,125.8
Back Injury	\$ 89.0	\$ 55.4	\$ 98.3	\$ 106.1	\$ 87.1	\$ 66.4	\$ 43.0	\$ 70.3	192.5	\$ 13,532.8
All Lumbar and Low Back Pain	\$ 49.8	\$ 43.5	\$ 55.3	\$ 43.7	\$ 49.2	\$ 52.2	\$ 39.7	\$ 46.2	2,527.6	\$ 116,775.1
Ratio Lumbar Back Pain to All Visits	1.24	1.36	3.16	1.69	1.10	1.10	1.00	1.31		
Proportion Lumbar/Low Back Pain to Total Charges									7%	9%
Cervical/Neck Pain										
Neck Disorders	\$ 52.0	\$ 44.2	\$ 34.0	\$ 39.2	\$ 49.9	\$ 54.8	\$ 44.2	\$ 47.8	421.0	\$ 20,123.8
Cervical Disc Disorders	\$ 55.1	\$ 49.1	\$ 48.8	\$ 47.5	\$ 53.7	\$ 56.4	\$ 46.1	\$ 51.9	229.8	\$ 11,926.6
Neck Injury	\$ 97.9	\$ 65.3	\$ 90.1	\$ 101.0	\$ 92.1	\$ 83.0	\$ 59.5	\$ 83.3	74.9	\$ 6,239.2
All Cervical Back Pain	\$ 57.9	\$ 46.7	\$ 54.0	\$ 52.3	\$ 53.1	\$ 56.3	\$ 46.1	\$ 52.0	659.2	\$ 34,278.4
Ratio Cervical/Neck Pain to All Visits	1.44	1.46	3.09	2.02	1.19	1.18	1.16	1.47		
Proportion Cervical/Neck Pain to Total Charges									2%	3%
All Back Pain Disorders	\$ 51.5	\$ 44.4	\$ 71.3	\$ 44.7	\$ 50.2	\$ 53.0	\$ 40.5	\$ 47.2	3,186.0	\$ 150,379.2
All Hospital Visits	\$ 40.3	\$ 31.9	\$ 17.5	\$ 25.9	\$ 44.6	\$ 47.6	\$ 39.6	\$ 35.4	38,590.7	\$ 1,366,110.8
Ratio Back Pain to All Visits	1.28	1.39	4.07	1.73	1.13	1.11	1.02	1.33		
Proportion Back Pain of Total Discharges									8%	11%

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