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## Impact of Physical Therapist Services on Low Back Pain Episodes of Care

Prepared for:

**The Private Practice Section of the American Physical Therapy Association**

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## I. BACKGROUND

The Private Practice Section (PPS) of the American Physical Therapy Association (APTA) commissioned Milliman to study episode of care costs for treatment of low back pain (LBP) and the impact of physical therapy (PT) on these costs. PPS is a specialty section of the APTA dedicated to supporting the business success of physical therapists. PPS members have an entrepreneurial spirit and most own and operate their own clinics. The clinical expertise of the group is predominantly musculoskeletal rehabilitation provided in the outpatient setting.

Musculoskeletal rehabilitation has been targeted under alternative payment methodologies (including bundled payments) for musculoskeletal episodes of care. PPS was seeking assistance in developing a value proposition to demonstrate and promote the value of private practice PT's impact on episode of care costs for relevant musculoskeletal episodes of care.

## II. EXECUTIVE SUMMARY

Direct access to PT by a physical therapist for treatment of LBP or early access to PT with a physician referral, and use of recommended PT delivery, are shown to be associated with better clinical outcomes and decreased subsequent use of lumbar surgery, prescription pain medication, MRI, and pain injections.<sup>1</sup> To analyze these outcomes in real world data, we performed a retrospective claim based study to analyze the cost of low back pain (LBP) episodes of care for commercially insured members who received physical therapy (PT) services from a physical therapist. In particular, we compared the difference in costs and utilization of related LBP services based on the time to accessing PT and delivery of recommended versus not recommended PT.

Using the 2013 to 2015 Truven Commercial MarketScan® Research database and Milliman proprietary commercial claim database, we identified 98,978 individuals meeting our LBP episode criteria:

- Eligibility in all months of 2013 to 2015
- A 2014 initial LBP claim (LBP claim in 2014 with no LBP claims or lumbosacral injections, or lumbar surgery in the prior 12 months)
- A second claim coded with a LBP trigger diagnosis occurring more than 6 days after and within 60 days of the initial LBP claim
- PT performed by a physical therapist (CPT code 97001) within 12 months of the 2014 initial LBP claim
- Not meeting particular exclusion criteria (see the methodology section)

Each qualifying LBP individual was assigned to a cohort based on time to accessing PT from the 2014 initial LBP claim: direct access (patient accessed PT without a physician visit or a physician referral), within 14 days, within 15 to 30 days, or over 30 days after initial LBP diagnosis and referral by a physician. Direct access is not indicated in the data. Members were assumed to have received PT without MD referral if they had a PT visit on the episode start date, but no other professional visit on that same day. Direct access is limited in some states (e.g., the provider may not be allowed to provide services without MD referral by law). In addition, each LBP individual was classified as receiving recommended PT (i.e., PT follows clinical practice guidelines) defined by the ratio of active (patient is active in the delivery of care) to passive (care is delivered to patient, and patient is passive in receiving that care) PT services provided (see the methodology section). If the PT did not meet the recommended criteria, it was classified as not recommended. This classification was based on the methodology applied in the study “Physical Therapy for Acute Low Back Pain: Associations with subsequent healthcare costs.”<sup>2</sup>

Each LBP episode spanned 365 days from the date of the initial 2014 LBP claim. The decision to use a one-year episode period for this study is based on consistency with previous studies of LBP which allows for comparison to other published research on total cost for episodes of LBP. All LBP related claims were identified during the 365 day episode period to calculate LBP episode costs. LBP related claims included those coded with a LBP trigger diagnosis code in any position of the claim (Appendix A) and claims coded with a LBP HCPCS or procedure code (Appendix C and D). Utilization per 100 LBP individuals was identified for key services including lumbosacral injections, lumbar surgery, MRIs, CT scans and use of injectable / infused opioids (Figure 12; Appendix C and D; Figure 11; Figure 10).

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<sup>1</sup> Fritz, J.M. et al. (July 15, 2008). Physical Therapy for Acute Low Back Pain: Associations With Subsequent Healthcare Costs. *Spine* 33(16):1800-5. doi: 10.1097/BRS.0b013e31817bd853. Retrieved March 11, 2018, from <https://www.ncbi.nlm.nih.gov/pubmed/18628714>.

<sup>2</sup> Ibid

To compare costs between the cohorts, we repriced all claims to Medicare allowed costs in order to adjust for geographical and payer fee schedule differences (the methodology section and Appendix E). To adjust for severity of LBP, we analyzed all LBP cohorts separately for those with and without radiculopathy (Appendix B). To adjust for the impact of demographics and comorbidities, we risk adjusted the repriced allowed costs between cohorts using the U.S. Department of Health and Human Services Hierarchical Condition Category (HHS-HCC) silver-level risk score. Results were reviewed without risk adjustment and this did not change the overall story.

The following key findings were identified:

- LBP allowed episode costs were lower for patients with early intervention PT compared to patients with PT that was started later (Figure 2). Early intervention PT is defined as either without an MD referral or within 14 days. PT without MD referral had the lowest episode costs.
- LBP allowed episode costs were lower for patients who received recommended PT compared to patients who received not-recommended PT regardless of when PT was started (Figures 8 & 9).
  - LBP allowed episode costs were lower for patients who received recommended PT versus patients who received not recommended PT when the patient also did not receive MD referral (Figure 3).
  - LBP allowed episode costs were lower for patients who received recommended PT versus patients who received not recommended PT when PT was started within 14 days (Figure 3).
- Generally, with a few exceptions, there was less utilization of high cost and invasive procedures / services for patients with early intervention PT compared to patients with PT that was started later. (Figure 5).
- Generally, with a few exceptions, there was less utilization of high cost and invasive procedures / services when patients received recommended PT compared to patients who received not recommended PT (Figure 6). We only reviewed this for the early intervention PT cohorts.
- Average per episode costs for LBP episodes increased as the number of PT visits patients received in the episode increased (Figure 7). In addition, patients that received recommended PT generally used less PT visits and had lower average costs than patients that received not recommended PT (Figures 8 & 9).

### III. RESULTS

The table in Figure 1 shows a waterfall chart of the LBP patients meeting our inclusion criteria for development of LBP episodes of care.

Figure 1: Waterfall of LBP Patients	
Explanation	Total
Eligible commercial members from 2013 – 2015	22,008,588
Eligible commercial members from 2013 - 2015 and with continuous enrollment	15,760,900
Eligible members with LBP diagnoses in 2013 - 2015	3,508,976
Eligible members with LBP diagnoses in 2014	1,938,632
Eligible members with LBP trigger criteria in 2014	402,205
Eligible members with LBP trigger criteria who do not meet exclusion criteria	325,530
<b>Eligible members with PT by a licensed provider during episode of eligible members with LBP trigger criteria who do not meet exclusion criteria (our study cohort)</b>	<b>98,978</b>

The table in Figure 2, shows LBP episode costs based on whether the member had direct access to PT (i.e., the member did not have to obtain a physician referral) or the member’s timing to access PT after initial LBP diagnosis and referral by a physician was within 14 days, 15 to 30 days, or over 30 days. Average LBP episode costs were lower for the early intervention PT cohorts (i.e., direct access and less than 14 days) compared to those starting PT > 14 days from the initial LBP diagnosis. 45% of the LBP episodes received early intervention PT.

**Figure 2:  
Average Allowed Cost per LBP Episode by PT Start Date and LBP Severity**

<u>PT Entry Relative to Episode Start Date:</u>	Direct Access*		MD Referral to PT	
	Same Day	Within 14 Days	15-30 Days	Over 30 Days
<b>Average Medicare Allowed Cost per Episode</b>				
LBP with Radiculopathy	\$4,098	\$4,526	\$4,741	\$7,121
LBP w/o Radiculopathy	\$2,162	\$2,234	\$2,473	\$3,578
<b>Ratio to "Direct Access"</b>				
LBP with Radiculopathy	1.00	1.10	1.16	1.74
LBP w/o Radiculopathy	1.00	1.03	1.14	1.66
<b>p-Value when Compared to "Within 14 Days"</b> **				
LBP with Radiculopathy	0.0000	N/A	0.0000	0.0000
LBP w/o Radiculopathy	0.0000	N/A	0.1897	0.0000
<b>Average Medicare Allowed Cost per Episode (risk-adjusted)</b> ***				
LBP with Radiculopathy	\$2,108	\$2,403	\$2,606	\$3,202
LBP w/o Radiculopathy	\$1,301	\$1,598	\$1,623	\$2,024
<b>Average Allowed Cost per Episode (risk-adjusted)</b> ***				
LBP with Radiculopathy	\$3,298	\$4,014	\$4,412	\$5,636
LBP w/o Radiculopathy	\$1,854	\$2,361	\$2,489	\$3,004
<b>Average Allowed Cost per Episode</b>				
LBP with Radiculopathy	\$6,412	\$7,560	\$8,026	\$12,535
LBP w/o Radiculopathy	\$3,082	\$3,301	\$3,793	\$5,311
<b>Total Patients</b>				
LBP with Radiculopathy	4,978	15,382	8,685	24,368
LBP w/o Radiculopathy	9,821	14,154	6,090	15,500
<b>Total Patients</b>	<b>14,799</b>	<b>29,536</b>	<b>14,775</b>	<b>39,868</b>
<b>% of Total Patients</b>				
LBP with Radiculopathy	5%	16%	9%	25%
LBP w/o Radiculopathy	10%	14%	6%	16%
<b>Total Patients</b>	<b>15%</b>	<b>30%</b>	<b>15%</b>	<b>40%</b>

\* Patient accessed PT without a physician visit or a physician referral

\*\*We conducted z-tests for the difference in risk-adjusted average Medicare allowed costs, and a p-value less than 0.05 indicates results are statistically significant.

\*\*\*Risk adjustment performed using the U.S. Department of Health and Human Services Hierarchical Condition Category (HHS-HCC) silver-level risk score.

We also analyzed LBP episode costs based on receiving recommended or not-recommended PT used in the Fritz-Spine study,<sup>3</sup> which we updated and modified. The tables in Figure 3 compare the results for the “Direct Access” and “Within 14 Days” cohorts. Overall, we found recommended episodes were generally lower than not-recommended episodes (with the exception of the within 14 days without radiculopathy).

<b>Figure 3: Average Allowed Cost per Episode by PT Status and Episode Group</b>				
<b>PT Status:</b>				
	<b>Direct Access*</b>		<b>Within 14 Days</b>	
	<b>Recommended</b>	<b>Not Recommended****</b>	<b>Recommended</b>	<b>Not Recommended****</b>
<b>Average Medicare Allowed Cost per Episode</b>				
LBP with Radiculopathy	\$3,991	\$4,364	\$4,364	\$4,873
LBP w/o Radiculopathy	\$2,128	\$2,278	\$2,193	\$2,376
<b>Ratio to “Direct Access” and “Recommended”</b>				
LBP with Radiculopathy	1.00	1.09	1.09	1.22
LBP w/o Radiculopathy	1.00	1.07	1.03	1.12
<b>p-Value When Compared to “Recommended” and “Within 14 Days”**</b>				
LBP with Radiculopathy	0.0000	0.0630	N/A	0.0001
LBP w/o Radiculopathy	0.0000	0.0000	N/A	0.0991
<b>Average Medicare Allowed Cost per Episode (risk-adjusted)</b>				
LBP with Radiculopathy	\$1,972	\$2,474	\$2,352	\$2,562
LBP w/o Radiculopathy	\$1,288	\$1,370	\$1,630	\$1,575
<b>Average Allowed Cost per Episode (risk-adjusted***)</b>				
LBP with Radiculopathy	\$3,084	\$3,861	\$3,935	\$4,255
LBP w/o Radiculopathy	\$1,859	\$1,887	\$2,432	\$2,267
<b>Average Allowed Cost per Episode</b>				
LBP with Radiculopathy	\$6,239	\$6,810	\$7,300	\$8,093
LBP w/o Radiculopathy	\$3,070	\$3,136	\$3,273	\$3,419
<b>Total Patients</b>				
LBP with Radiculopathy	3,324	1,594	9,609	5,423
LBP w/o Radiculopathy	7,317	2,372	9,872	3,952
<b>Total Patients</b>	<b>10,641</b>	<b>3,966</b>	<b>19,481</b>	<b>9,375</b>
<b>% of Total Patients</b>				
LBP with Radiculopathy	23%	11%	33%	19%
LBP w/o Radiculopathy	50%	16%	34%	14%
<b>Total Patients</b>	<b>73%</b>	<b>27%</b>	<b>68%</b>	<b>32%</b>

\* Patient accessed PT without a physician visit or a physician referral

\*\*We conducted z-tests for the difference in risk-adjusted average Medicare allowed costs, and a p-value less than 0.05 indicates results are statistically significant.

\*\*\*Risk adjustment performed using the U.S. Department of Health and Human Services Hierarchical Condition Category (HHS-HCC) silver-level risk score

\*\*\*\*Not recommended, means did not receive recommended PT as defined by ratio of active to passive PT codes.

<sup>3</sup> Fritz, *ibid.*



Figures 4 and 5 measure utilization differences of procedures or treatments for patients with LBP. Early intervention PT shows generally lower utilization across all types, with a few exceptions. The analysis of opioids was limited to injectable opioids and did not include prescriptions claims. For lumbosacral injections, we counted the number of procedures. For lumbar surgeries, we counted the number of admits (inpatient) and cases (outpatient). For opioids, we counted the number of procedures. For MRIs and CT scans, we counted the number of procedures. In general, the early intervention PT cohorts show lower use of LBP related procedures or treatments. However, a few of the results did not show lower utilization, including the 15 to 30 day cohort, which had lower inpatient admits compared to the direct access and within 14 days cohorts. In addition, the utilization of injectable opioids is lower in some of the not recommended cohorts compared to the recommended cohorts.

<b>Figure 4: Utilization per 100 Members by PT Start Date and Episode Group</b>				
<b>PT Entry Relative to Episode Start Date:</b>				
	<b>Direct Access*</b>		<b>MD Referral to PT</b>	
<b>PT Entry Relative to Episode Start Date:</b>	<b>Same Day</b>	<b>Within 14 Days</b>	<b>15-30 Days</b>	<b>Over 30 Days</b>
<b>LBP With Radiculopathy</b>				
Lumbosacral Injections	74.43	101.65	118.58	161.22
Lumbar Surgery – Inpatient	2.53	2.86	2.95	6.76
Lumbar Surgery – Outpatient	3.56	4.60	6.33	9.82
Opioids	18.40	26.30	29.82	41.78
MRI	60.33	81.85	102.19	113.12
CT Scan	3.82	7.44	8.38	11.47
<b>Ratio to "Direct Access"</b>				
Lumbosacral Injections	1.00	1.37	1.59	2.17
Lumbar Surgery – Inpatient	1.00	1.13	1.16	2.67
Lumbar Surgery – Outpatient	1.00	1.29	1.78	2.76
Opioids	1.00	1.43	1.62	2.27
MRI	1.00	1.36	1.69	1.88
CT Scan	1.00	1.95	2.20	3.00
<b>LBP Without Radiculopathy</b>				
Lumbosacral Injections	2.12	4.10	5.78	9.28
Lumbar Surgery – Inpatient	0.12	0.16	0.05	0.52
Lumbar Surgery – Outpatient	0.08	0.07	0.10	0.23
Opioids	9.85	11.69	13.96	21.86
MRI	4.08	8.85	14.81	12.85
CT Scan	0.55	1.33	2.43	2.12
<b>Ratio to "Direct Access"</b>				
Lumbosacral Injections	1.00	1.93	2.73	4.38
Lumbar Surgery – Inpatient	1.00	1.27	0.40	4.22
Lumbar Surgery – Outpatient	1.00	0.87	1.21	2.85
Opioids	1.00	1.19	1.42	2.22
MRI	1.00	2.17	3.63	3.15
CT Scan	1.00	2.42	4.42	3.86

\* Patient accessed PT without a physician visit or a physician referral

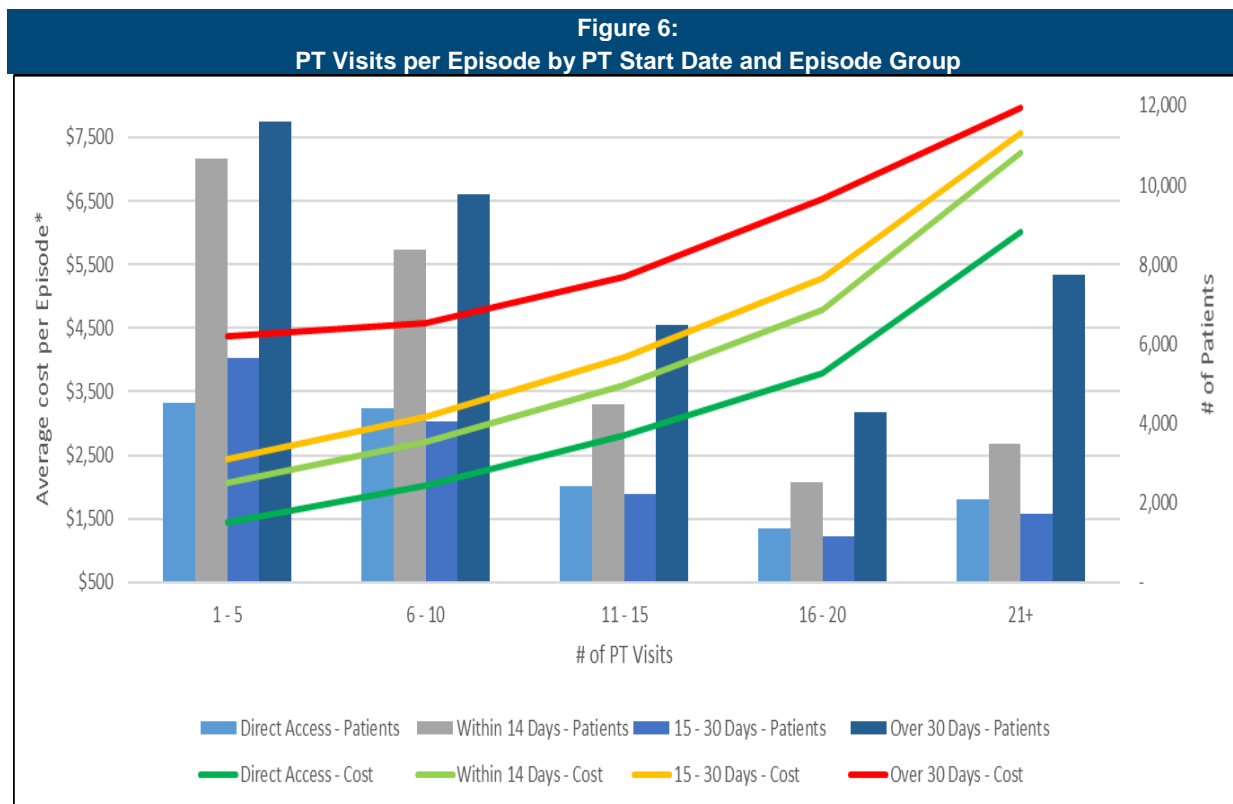
**Figure 5:  
Utilization per 100 Members by PT Status and Episode Group  
Physical Therapy Status:**

	Direct Access*		Within 14 Days	
	Recommended	Not Recommended**	Recommended	Not Recommended**
<b>LBP With Radiculopathy</b>				
Lumbosacral Injections	69.68	84.19	94.01	116.19
Lumbar Surgery - Inpatient	2.38	2.95	2.71	3.13
Lumbar Surgery - Outpatient	2.98	4.83	4.35	5.22
Opioids	17.18	19.82	25.25	26.31
MRI	56.71	68.07	76.96	90.12
CT Scan	3.28	4.89	6.68	8.26
<b>Ratio to "Direct Access" and "Recommended"</b>				
Lumbosacral Injections	1.00	1.21	1.35	1.67
Lumbar Surgery - Inpatient	1.00	1.24	1.14	1.32
Lumbar Surgery - Outpatient	1.00	1.62	1.46	1.75
Opioids	1.00	1.15	1.47	1.53
MRI	1.00	1.20	1.36	1.59
CT Scan	1.00	1.49	2.04	2.52
<b>LBP Without Radiculopathy</b>				
Lumbosacral Injections	1.98	2.66	4.18	3.87
Lumbar Surgery - Inpatient	0.10	0.21	0.14	0.20
Lumbar Surgery - Outpatient	0.04	0.21	0.04	0.15
Opioids	10.02	9.36	11.36	12.25
MRI	3.61	5.61	8.58	9.46
CT Scan	0.49	0.76	1.25	1.34
<b>Ratio to "Direct Access" and "Recommended"</b>				
Lumbosacral Injections	1.00	1.34	2.11	1.95
Lumbar Surgery - Inpatient	1.00	2.20	1.48	2.12
Lumbar Surgery - Outpatient	1.00	5.14	0.99	3.70
Opioids	1.00	0.93	1.13	1.22
MRI	1.00	1.55	2.38	2.62
CT Scan	1.00	1.54	2.53	2.73

\* Patient accessed PT without a physician visit or a physician referral

\*\*Not recommended means did not receive recommended PT as defined by ratio of active to passive PT codes.

The graph in Figure 6 groups the episodes into the number of PT visits that were given in an episode. The bars shows the # of patients that received the given # of PT visits. The line shows the average costs of the episodes based on the number of PT visits received. The graph combines the radiculopathy and non-radiculopathy cohorts. Average costs increase as number of PT visits increase. Starting PT earlier generally results in lower costs.



\*Average Medicare Allowed Cost per Episode.

The number of patients shown in the bar graphs above are also listed in the following table with their corresponding distributions.

PT Visits	Direct access**		Within 14 days		15-30 days		Over 30 days	
	# of Patients	% of Patients	# of Patients	% of Patients	# of Patients	% of Patients	# of Patients	% of Patients
1-5	4,518	30.5%	10,667	36.1%	5,635	38.1%	11,590	29.1%
6-10	4,386	29.6%	8,360	28.3%	4,043	27.4%	9,752	24.5%
11-15	2,434	16.4%	4,490	15.2%	2,210	15.0%	6,487	16.3%
16-20	1,376	9.3%	2,529	8.6%	1,153	7.8%	4,292	10.8%
21+	2,085	14.1%	3,490	11.8%	1,734	11.7%	7,747	19.4%
<b>Total</b>	<b>14,799</b>	<b>100.0%</b>	<b>29,536</b>	<b>100.0%</b>	<b>14,775</b>	<b>100.0%</b>	<b>39,868</b>	<b>100.0%</b>

\*\* Patient accessed PT without a physician visit or a physician referral

The tables in Figures 7 and 8 show that in total, recommended therapy (average duration of 79 and 70 days respectively) generally uses fewer PT visits when compared to not-recommended therapy (average duration of 92 and 83 days, respectively), which results in lower average costs per episode.

**Figure 7:  
PT Visits per Episode by PT Status and Episode Group  
LBP With Radiculopathy**

PT Visits	Recommended				Not Recommended****			
	Patients	% of Patients	Average Duration**	Average Episode Cost*	Patients	% of Patients	Average Duration**	Average Episode Cost*
1 – 5	10,943	33%	26	\$4,046	4,019	21%	27	\$3,959
6 – 10	8,935	27%	60	\$4,548	4,913	26%	60	\$4,414
11 – 15	5,160	16%	95	\$5,663	3,516	18%	89	\$5,071
16 – 20	3,086	9%	130	\$7,131	2,341	12%	120	\$6,595
21+	4,627	14%	190	\$9,367	4,449	23%	175	\$8,191
<b>Total</b>	<b>32,751</b>	<b>100%</b>	<b>79</b>	<b>\$5,480</b>	<b>19,238</b>	<b>100%</b>	<b>92</b>	<b>\$5,578</b>
<b>p-Value***</b>				<b>N/A</b>				<b>0.0080</b>

\*Average episode cost is based on average Medicare allowed costs.

\*\*Average duration is the average length in days from first to last PT visits in the episode.

\*\*\*We conducted a z-test for the difference in total average episode cost for recommended versus not-recommended, shown as 0.0080 above, and a p-value less than 0.05 indicates results are statistically significant.

\*\*\*\* Not recommended, means did not receive recommended PT as defined by ratio of active to passive PT codes.

**Figure 8:  
PT Visits per Episode by PT Status and Episode Group  
LBP Without Radiculopathy**

PT Visits	Recommended				Not Recommended****			
	Patients	% of Patients	Average Duration**	Average Episode Cost*	Patients	% of Patients	Average Duration**	Average Episode Cost*
1 - 5	11,895	39%	24	\$1,535	3,492	25%	25	\$1,635
6 - 10	8,555	28%	60	\$2,049	3,896	27%	57	\$2,071
11 - 15	4,400	15%	95	\$2,818	2,462	17%	89	\$2,683
16 - 20	2,290	8%	128	\$3,645	1,591	11%	122	\$3,444
21+	3,190	11%	191	\$5,648	2,736	19%	167	\$5,345
<b>Total</b>	<b>30,330</b>	<b>100%</b>	<b>70</b>	<b>\$2,458</b>	<b>14,177</b>	<b>100%</b>	<b>83</b>	<b>\$2,856</b>
<b>p-Value***</b>				<b>N/A</b>				<b>0.0000</b>

\*Average episode cost is based on average Medicare allowed costs.

\*\*Average duration is the average length in days from first to last PT visits in the episode.

\*\*\*We conducted z-tests for the difference in total average episode cost for recommended versus not-recommended, shown above as 0.0000, and a p-value less than 0.05 indicates results are statistically significant.

\*\*\*\*Not recommended, means did not receive recommended PT as defined by ratio of active to passive PT codes.

## IV. METHODOLOGY AND ASSUMPTIONS

### DATA SOURCES

To perform the longitudinal study, Milliman used the Consolidated *Health Cost Guidelines*<sup>™</sup> (*HCGs*) Sources Database (CHSD) and the Truven MarketScan<sup>®</sup> Research database. The CHSD and the Truven MarketScan<sup>®</sup> Research databases are primary HIPAA-compliant, health research membership and claims databases used by Milliman consultants that contain a rolling three years of incurred data averaging 55 million commercial (non-Medicare, non-Medicaid) lives for 2013, 67 million for 2014, and 47 million lives for 2015. Prior to loading the data into the primary research repository accessible by the Milliman consultants, our data management experts validated and grouped the data into the Milliman *HCGs* basic table categories and sub-categories. We mapped the *HCG* categories to broader service categories that we use to present results.

The cost information presented in this report is based on total allowed costs, which includes both the insurer-paid amount and the patient payment, and includes discounts and other negotiated amounts. The patient pay includes the copay amount, the deductible amount, and the coinsurance amount paid by the patient.

### MEDICARE-ALLOWED

Milliman's databases include Medicare charge level amounts determined through use of our Milliman Medicare repricer. Limitations of the Milliman Medicare repricer are listed in Appendix E. We used the Medicare-allowed full amount, which is area-adjusted and includes the core-based statistical area (CBSA)-level scalar adjustment for Medicare disproportionate share hospital (DSH) payments and outlier payments. The results only include medical claims and exclude retail prescription drugs. Those services that are not repriced using our Milliman Medicare repricer are assumed to have the average Medicare-to-commercial allowed cost relativity for the *HCGs* category in which they are included.

### ENROLLMENT CRITERIA

In order to identify patients with LBP, we first determined which patients were continuously enrolled in a health plan through all three years of the most recent data available, which was our study period (2013 to 2015). We defined an episode as 365 days after a LBP trigger diagnosis occurring in 2014. This allowed us to look at services occurring 12 months before and 12 months after any episode start date in 2014.

### EPISODE TRIGGER

Of the continuously enrolled patients, we analyzed only those having their first LBP episode trigger diagnoses during 2014. LBP episodes had to have a 12-month "quiet period" prior to the episode start date. In this "quiet period" there were no LBP diagnoses, lumbosacral injections, or lumbar surgeries.

An episode trigger was defined as at least two claims coded with a LBP trigger diagnosis occurring more than six days apart but fewer than 60 days apart. These claims had to occur in an outpatient or professional setting; acute inpatient diagnoses did not qualify as an episode trigger. LBP trigger diagnosis codes are provided in Appendix A.

## EXCLUSION CRITERIA

We eliminated patients with the conditions and procedures listed below:

1. End-stage renal disease
2. Active cancer (not basal, squamous cell)
3. Hemiplegia and paraplegia
4. Major brain, head, or spinal cord trauma
5. Third-degree burns
6. Spinal fracture
7. Hip, pelvis, or leg fracture or dislocation
8. Cauda equina
9. Bone infections
10. Spina bifida
11. Pregnancy (during the episode)
12. Transplant (during the study period)
13. LBP trigger diagnosis (Appendix A), lumbosacral injection (Figure 12), or lumbar surgery (Appendix C & D) 12 months prior to episode start date
14. Lumbar surgery (Appendix C & D) within the first two weeks of the LBP episode

Unless otherwise specified, we identified the presence of these conditions and procedures using diagnosis and procedure codes with a date of service during the study period.

After a patient was identified as not meeting the exclusion criteria, we analyzed all medical claims for that patient during the study period.

Below we discuss the more specific details of LBP and PT identification, exclusion criteria, and cohorting.

When identifying persons meeting the diagnosis and procedure code criteria, we looked at all codes submitted on each claim.

## LBP-RELATED COSTS

Only costs for related LBP claims are included in the LBP episode costs. All related claims occurring between the initiating LBP claim and 12 months thereafter are included in the LBP episode costs. Medical claims were considered related if they met the following criteria:

- Claims coded with a LBP trigger diagnosis code in any position of the claim (see Appendix A)
- Claims coded with HCPCS or procedure code noted in Appendix C and D

Prescription drugs were not considered in the analysis as they could not be attributed to LBP specifically.

## COHORTING: RADICULOPATHY

We split the population into two groups: patients with LBP with and without radiculopathy. These subgroups were used as a proxy to distinguish the severity of the LBP episode. Patients with a radiculopathy diagnoses at any time during the study period were assigned to the radiculopathy group, while all other persons were assigned to the without radiculopathy group.

Radiculopathy diagnosis codes are provided in Appendix B.

## COHORTING: PT

Critical to our analysis was determining the type of PT received by each patient with LBP. Patients were included if they had PT by a physical therapist designated as having a PT procedure and a PT evaluation visit.

Once a member was identified as having PT by a physical therapist with the appropriate evaluation code, they were further assigned to PT treatment groups based on the type of PT procedures administered. This grouping criteria is described here:

### Recommended

- A total active to passive procedure ratio of at least 3-to-1 for the episode.
- An active procedure on every visit of the episode that was not an evaluation or otherwise categorized as an allowed visit.
- At least one active procedure within the episode with zero passive procedures.

### Not-recommended

- A total active to passive procedure ratio of less than 3-to-1 for the episode.
- At least one passive procedure within the episode with zero active procedures.

### Allowed

- Only allowed procedures throughout the episode without any active or passive procedures.

PT procedure codes are provided and categorized as either active, passive, or allowed in the table shown in Figure 9 below.

**Figure 9:  
PT Procedure Codes**

Active		Passive		Allowed	
HCPCS	Description	HCPCS	Description	HCPCS	Description
97110	Therapeutic Exercises	97010	Hot Or Cold Packs Therapy	97001	Pt Evaluation
97112	Neuromuscular Reeducation	97012	Mechanical Traction Therapy	97002	Pt Re-Evaluation
97140	Manual Therapy 1/> Regions	97022	Whirlpool Therapy	97113	Aquatic Therapy / Exercises
97150	Group Therapeutic Procedures	97024	Diathermy Eg Microwave	97116	Gait Training Therapy
97530	Therapeutic Activities	97026	Infrared Therapy	97139	Physical Medicine Procedure
97535	Self Care Mngment Training	97028	Ultraviolet Therapy	97161	Pt Eval Low Complex 20 Min
		97032	Electrical Stimulation	97162	Pt Eval Mod Complex 30 Min
		97033	Electric Current Therapy	97163	Pt Eval High Complex 45 Min
		97034	Contrast Bath Therapy	97164	Pt Re-Eval Est Plan Care
		97035	Ultrasound Therapy	97750	Physical Performance Test
		97036	Hydrotherapy	97755	Assistive Technology Assess
		97124	Massage Therapy	99070	Special Supplies Phys / Qhp
		G0283	Elec Stim Other Than Wound	G0159	Hhc Pt Maint Ea 15 Min
				S9131	Pt In The Home Per Diem

## COHORTING: DIRECT ACCESS OR TIMELINE OF PT

When looking at costs for patients that had PT with a physical therapist, we segmented patients based on when during the episode they started PT after their LBP diagnoses, or whether they had direct access. Patients were determined to have entered the LBP episode with PT or received a PT course of care within 14 days, between 15 and 30 days, or over 30 days from the episode start date. The date on which a patient starts PT coincides with that person's PT evaluation with a physical therapist as determined by PT evaluation HCPCS code '97001'. At APTA's direction, members who received any professional services, such as seeing a primary care physician on the same date as their PT evaluations, are seen as not having started their care regimes with PT. As such, these members are in the "Within 14 Days" group. The remaining members were inferred to have started PT without M.D. referral, thus direct access. Direct access is limited in some states, while others have no limitation.

## RISK ADJUSTMENT

Allowed costs were risk-adjusted using the U.S. Department of Health and Human Services Hierarchical Condition Category (HHS-HCC) silver-level risk score.<sup>4</sup> The HHS-HCC risk score model uses demographic and diagnosis information to predict plan expenditures (paid claims) for a person, accounting for medical conditions and plan actuarial value. The model uses diagnosis data from medical claims to assign condition categories (CCs) grouping together clinically similar International Classification of Diseases (ICD) diagnosis codes into those CCs. It then selects the most severe of these conditions for each patient within broader groupings of HCCs. Generally, a risk score of 1.00 assumes an average risk level. A risk score above 1.00 suggests those patients are sicker than average while risk scores below 1.00 suggest they are healthier. To adjust for risk, we divided allowed costs by the risk score to get to a 1.00 basis.

## UTILIZATION

Along with episode costs, we measured utilization of procedures and treatments related to the management of LBP. We measured utilization of opioids by analyzing medical claims that contained claims coded with the Current Procedural Terminology (CPT) codes shown in the table in Figure 10. The analysis of opioids did not include prescriptions claims. It was limited to injectable opioids. We also measured utilization of MRIs and CT scans identified by CPT codes shown in the table in Figure 11.

<sup>4</sup> CMS.gov. The HHS-HCC Risk Adjustment Model for Individual and Small Group Markets Under the Affordable Care Act. Retrieved March 12, 2018, from [https://www.cms.gov/mmrr/Articles/A2014/MMRR2014\\_004\\_03\\_a03.html](https://www.cms.gov/mmrr/Articles/A2014/MMRR2014_004_03_a03.html).



Lumbar surgery CPT codes are provided in Appendix C, and lumbar surgery procedure codes are provided in Appendix D. Lumbrosacral injection codes are shown in Figure 12.

**Figure 10:  
Opioid Reimbursement Codes**

CPT	Drug	CPT	Drug
J2274	Astramorph	J2275	Infumorph
J2275	Astramorph	Q9974	Infumorph
Q9974	Astramorph	J2175	Meperidine
J2175	Demerol	J1230	Methadone
J1170	Dilaudid	S0109	Methadone
S0092	Dilaudid	S0109	Methadose
S0109	Dolophine	J2270	Morphine
J2274	Duramorph	J2271	Morphine
J2275	Duramorph	J2274	Morphine
Q9974	Duramorph	J2275	Morphine
J3010	Fentanyl	Q9974	Morphine
J1170	Hydromorphone	S0093	Morphine
S0092	Hydromorphone	J2410	Opana
J2274	Infumorph	J3010	Sublimaze

**Figure 11:  
Diagnostic Codes**

CT Scan		MRI / MRA	
PROC	Description	PROC	Description
72128	Ct chest spine w/o dye	72146	Mri chest spine w/o dye
72129	Ct chest spine w/dye	72147	Mri chest spine w/dye
72130	Ct chest spine w/o & w/dye	72148	Mri lumbar spine w/o dye
72131	Ct lumbar spine w/o dye	72149	Mri lumbar spine w/dye
72132	Ct lumbar spine w/dye	72157	Mri chest spine w/o & w/dye
72133	Ct lumbar spine w/o & w/dye	72158	Mri lumbar spine w/o & w/dye
72192	Ct pelvis w/o dye	72159	Mr angio spine w/o&w/dye
72193	Ct pelvis w/dye	72195	Mri pelvis w/o dye
72194	Ct pelvis w/o & w/dye	72196	Mri pelvis w/dye
		72197	Mri pelvis w/o & w/dye
		72198	Mr angio pelvis w/o & w/dye
		C8918	MRA w/cont, pelvis
		C8919	MRA w/o cont, pelvis
		C8920	MRA w/o fol w/cont, pelvis
		C8931	MRA, w/dye, spinal canal
		C8932	MRA, w/o dye, spinal canal
		C8933	MRA, w/o&w/dye, spinal canal
		76400	Magnetic image, bone marrow

**Figure 12:  
Lumbosacral Injection Codes**

HCPCS		ICD 9 Procedure		ICD 10 Procedure	
PROC	Description	PROC	Description	PROC	Description
0216T	Njx Paravert W/Us Lumb/Sac	038	Destr Inject- Spine Canal	00PUX3Z	Removal Of Infusion Dev From Spinal Canal, Extern Approach
0217T	Njx Paravert W/Us Lumb/Sac	0391	Anesth Inject- Spin Canal	00WUX3Z	Revision Of Infusion Device In Spinal Canal, Extern Approach
0218T	Njx Paravert W/Us Lumb/Sac	0392	Spinal Canal Inject Nec	00WVX3Z	Revision Of Infusion Device In Spinal Cord, Extern Approach
0230T	Njx Tfrml Eprl W/Us Lumb/Sac			0RPAX3Z	Removal Of Infusion Device From T-Lum Jt, Extern Approach
0231T	Njx Tfrml Eprl W/Us Lumb/Sac			0RPBX3Z	Removal Of Infusion Device From T-Lum Disc, Extern Approach
62282	Treat Spinal Canal Lesion			0RWAX3Z	Revision Of Infusion Device In T-Lum Jt, Extern Approach
62311	Inject Spine Lumbar/Sacral			0RWBX3Z	Revision Of Infusion Device In T-Lum Disc, Extern Approach
62319	Inject Spine W/Cath Lmb/Scrl			0SP0X3Z	Removal Of Infusion Device From Lum Jt, Extern Approach
62322	Njx Interlaminar Lmbr/Sac			0SP2X3Z	Removal Of Infusion Device From Lum Disc, Extern Approach
62323	Njx Interlaminar Lmbr/Sac			0SP3X3Z	Removal Of Infusion Device From Lumsac Jt, Extern Approach
62326	Njx Interlaminar Lmbr/Sac			0SP4X3Z	Removal Of Infusion Device From Lumsac Disc, Extern Approach
62327	Njx Interlaminar Lmbr/Sac			0SW0X3Z	Revision Of Infusion Device In Lum Jt, Extern Approach
64412	N Block Inj Spinal Accessor			0SW2X3Z	Revision Of Infusion Device In Lum Disc, Extern Approach
64445	N Block Inj Sciatic Sng			0SW3X3Z	Revision Of Infusion Device In Lumsac Jt, Extern Approach
64446	N Blk Inj Sciatic Cont Inf			0SW4X3Z	Revision Of Infusion Device In Lumsac Disc, Extern Approach
64449	N Block Inj Lumbar Plexus			0WWL03Z	Revision Of Infusion Device In Lower Back, Open Approach
64450	N Block Other Peripheral			0WWL33Z	Revision Of Infusion Device In Lower Back, Perc Approach
64483	Inj Foramen Epidural L/S			0WWL43Z	Revision Of Infusion Device In Low Back, Perc Endo Approach
64484	Inj Foramen Epidural Add-On			0WWLX3Z	Revision Of Infusion Device In Lower Back, External Approach
64493	Inj Paravert F Jnt L/S 1 Lev			3E0R33Z	Introduction Of Anti-Inflam Into Spinal Canal, Perc Approach
64494	Inj Paravert F Jnt L/S 2 Lev			3E0R3BZ	Introduce Of Local Anesth Into Spinal Canal, Perc Approach
64495	Inj Paravert F Jnt L/S 3 Lev			3E0R3CZ	Introduce Regional Anesth In Spinal Canal, Perc
64520	N Block Lumbar/Thoracic			3E0R3GC	Introduce Oth Therap Subst In Spinal Canal, Perc
				3E0R3TZ	Introduction Of Destr Agent Into Spinal Canal, Perc Approach
				3E0S33Z	Introduce Of Anti-Inflam Into Epidural Space, Perc Approach
				3E0S3BZ	Introduce Of Local Anesth Into Epidural Space, Perc Approach
				3E0S3CZ	Introduce Regional Anesth In Epidural Space, Perc
				3E0S3GC	Introduce Oth Therap Subst In Epidural Space, Perc

## V. LIMITATIONS AND RELIANCES

Guidelines issued by the American Academy of Actuaries require actuaries to include their professional qualifications in actuarial communications. Juliet Spector is a consulting actuary for Milliman, Inc. and a member of the American Academy of Actuaries, and meets the qualification standards of the American Academy of Actuaries to render the actuarial analysis contained herein.

In analyzing the LBP claims to develop a value proposition for PT, we used the Milliman *HCGs* Consolidated Database and the Truven MarketScan® Research database. The Milliman *HCGs* Consolidated Database and Truven MarketScan® Research database contain detailed claims and membership information from approximately 100 different insurance companies, Blue Cross Blue Shield plans, and third-party administrators. We did not audit or independently verify any of the information furnished, except that we did review the data for reasonableness and consistency.

PPS-APTA provided LBP trigger and exclusion diagnoses and conditions, as well as directions on identifying patients who had PT. To the extent that any of the data or other information relied on by us was incorrect or inaccurate, the results of our analysis could be materially affected.

The allowed costs per episode are based on data found in our data sources mentioned above, and are based on a longitudinal study over three years (2013 to 2015). It is almost certain that actual experience will not conform exactly to the assumptions used in this analysis.

This work is subject to the Consulting Services Agreement between PPS-APTA and Milliman dated April 19, 2017.

Milliman does not intend to legally benefit any third-party recipient of its work product. Even though Milliman has consented to the release of its work product to a third party, any third-party recipient of this report should not rely upon Milliman's report, but should engage qualified professionals for advice appropriate to its own specific needs. The statements contained in the report are those of the authors and do not necessarily represent the views of Milliman or its other consultants.

# APPENDIX A

## Appendix A LBP Trigger Diagnosis Codes ICD-9 and ICD-10

ICD Diagnosis Code	Description
7201	Spinal Enthesopathy
72081	Spondylopathy In Oth Dis
72089	Inflam Spondylopathy Nec
7209	Inflam Spondylopathy Nos
7213	Lumbosacral Spondylosis
72142	Spond Compr Lumb Sp Cord
7215	Kissing Spine
7216	Ankyl Vert Hyperostosis
7217	Traumatic Spondylopathy
7218	Spinal Disorders Nec
72190	Spondylos Nos W/O Myelop
72191	Spondylosis Nos W Myelop
72210	Lumbar Disc Displacement
7222	Disc Displacement Nos
72230	Schmorl'S Nodes Nos
72232	Schmorls Node-Lumbar
72239	Schmorls Node-Region Nec
72252	Lumb / Lumbosac Disc Degen
7226	Disc Degeneration Nos
72273	Lumb Disc Dis W Myelopat
72280	Postlaminectomy Synd Nos
72283	Postlaminect Synd-Lumbar
72293	Disc Dis Nec / Nos-Lumbar
72400	Spinal Stenosis Nos
72402	Spin Sten,Lumbr Wo Claud
72403	Spin Sten,Lumbr W Claud
72409	Spinal Stenosis-Oth Site
7242	Lumbago
7243	Sciatica
7244	Lumbosacral Neuritis Nos
7245	Backache Nos
7246	Disorders Of Sacrum
7248	Other Back Symptoms
7249	Back Disorder Nos
7393	Somat Dysfunc Lumbar Reg
75611	Lumbosacr Spondylolysis
8460	Sprain Lumbosacral
8462	Sprain Sacrospinatus
8463	Sprain Sacrotuberous
8472	Sprain Lumbar Region
8473	Sprain Of Sacrum
8479	Sprain Of Back Nos
A1801	Tuberculosis Of Spine
M2578	Osteophyte, Vertebrae
M4300	Spondylolysis, Site Unspecified
M4305	Spondylolysis, Thoracolumbar Region
M4306	Spondylolysis, Lumbar Region
M4307	Spondylolysis, Lumbosacral Region
M4308	Spondylolysis, Sacral And Sacrococcygeal Region
M4309	Spondylolysis, Multiple Sites In Spine
M438X5	Other Specified Deforming Dorsopathies, Thoracolumbar Region
M438X6	Other Specified Deforming Dorsopathies, Lumbar Region
M438X7	Other Specified Deforming Dorsopathies, Lumbosacral Region
M438X8	Oth Deforming Dorsopathies, Sacral And Sacrococcygeal Region
M438X9	Other Specified Deforming Dorsopathies, Site Unspecified
M4600	Spinal Enthesopathy, Site Unspecified
M4605	Spinal Enthesopathy, Thoracolumbar Region
M4606	Spinal Enthesopathy, Lumbar Region
M4607	Spinal Enthesopathy, Lumbosacral Region
M4608	Spinal Enthesopathy, Sacral And Sacrococcygeal Region
M4609	Spinal Enthesopathy, Multiple Sites In Spine
M4645	Discitis, Unspecified, Thoracolumbar Region
M4646	Discitis, Unspecified, Lumbar Region
M4647	Discitis, Unspecified, Lumbosacral Region
M4650	Other Infective Spondylopathies, Site Unspecified

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Appendix A LBP Trigger Diagnosis Codes ICD-9 and ICD-10	
ICD Diagnosis Code	Description
M4655	Other Infective Spondylopathies, Thoracolumbar Region
M4656	Other Infective Spondylopathies, Lumbar Region
M4657	Other Infective Spondylopathies, Lumbosacral Region
M4658	Oth Infective Spondylopathies, Sacr / Sacrocygl Region
M4659	Other Infective Spondylopathies, Multiple Sites In Spine
M4680	Oth Inflammatory Spondylopathies, Site Unspecified
M4685	Oth Inflammatory Spondylopathies, Thoracolumbar Region
M4686	Other Specified Inflammatory Spondylopathies, Lumbar Region
M4687	Oth Inflammatory Spondylopathies, Lumbosacral Region
M4688	Oth Inflammatory Spondylopathies, Sacr / Sacrocygl Region
M4689	Oth Inflammatory Spondylopathies, Multiple Sites In Spine
M4690	Unspecified Inflammatory Spondylopathy, Site Unspecified
M4695	Unspecified Inflammatory Spondylopathy, Thoracolumbar Region
M4696	Unspecified Inflammatory Spondylopathy, Lumbar Region
M4697	Unspecified Inflammatory Spondylopathy, Lumbosacral Region
M4698	Unsp Inflammatory Spondylopathy, Sacr / Sacrocygl Region
M4699	Unsp Inflammatory Spondylopathy, Multiple Sites In Spine
M4710	Other Spondylosis With Myelopathy, Site Unspecified
M4715	Other Spondylosis With Myelopathy, Thoracolumbar Region
M4716	Other Spondylosis With Myelopathy, Lumbar Region
M4717	Other Spondylosis With Myelopathy, Lumbosacral Region
M4718	Oth Spondylosis W Myelopathy, Sacr / Sacrocygl Region
M4720	Other Spondylosis With Radiculopathy, Site Unspecified
M4725	Other Spondylosis With Radiculopathy, Thoracolumbar Region
M4726	Other Spondylosis With Radiculopathy, Lumbar Region
M4727	Other Spondylosis With Radiculopathy, Lumbosacral Region
M4728	Oth Spondylosis W Radiculopathy, Sacr / Sacrocygl Region
M47815	Spondyls W/O Myelopathy Or Radiculopathy, Thoracolumbar Region
M47816	Spondylosis W/O Myelopathy Or Radiculopathy, Lumbar Region
M47817	Spondyls W/O Myelopathy Or Radiculopathy, Lumbosacr Region
M47818	Spondyls W/O Myelopathy Or Radiculopathy, Sacr / Sacrocygl Rgn
M47819	Spondylosis Without Myelopathy Or Radiculopathy, Site Unsp
M47895	Other Spondylosis, Thoracolumbar Region
M47896	Other Spondylosis, Lumbar Region
M47897	Other Spondylosis, Lumbosacral Region
M47898	Other Spondylosis, Sacral And Sacrococcygeal Region
M47899	Other Spondylosis, Site Unspecified
M479	Spondylosis, Unspecified
M4800	Spinal Stenosis, Site Unspecified
M4805	Spinal Stenosis, Thoracolumbar Region
M4806	Spinal Stenosis, Lumbar Region
M4807	Spinal Stenosis, Lumbosacral Region
M4808	Spinal Stenosis, Sacral And Sacrococcygeal Region
M4810	Ankylosing Hyperostosis [Forestier], Site Unspecified
M4816	Ankylosing Hyperostosis [Forestier], Lumbar Region
M4817	Ankylosing Hyperostosis [Forestier], Lumbosacral Region
M4818	Ankylosing Hyperostosis, Sacral And Sacrococcygeal Region
M4819	Ankylosing Hyperostosis [Forestier], Multiple Sites In Spine
M4820	Kissing Spine, Site Unspecified
M4825	Kissing Spine, Thoracolumbar Region
M4826	Kissing Spine, Lumbar Region
M4827	Kissing Spine, Lumbosacral Region
M4830	Traumatic Spondylopathy, Site Unspecified
M4835	Traumatic Spondylopathy, Thoracolumbar Region
M4836	Traumatic Spondylopathy, Lumbar Region
M4837	Traumatic Spondylopathy, Lumbosacral Region
M4838	Traumatic Spondylopathy, Sacral And Sacrococcygeal Region
M488X5	Other Specified Spondylopathies, Thoracolumbar Region
M488X6	Other Specified Spondylopathies, Lumbar Region
M488X7	Other Specified Spondylopathies, Lumbosacral Region
M488X8	Oth Spondylopathies, Sacral And Sacrococcygeal Region
M488X9	Other Specified Spondylopathies, Site Unspecified
M489	Spondylopathy, Unspecified
M4980	Spondylopathy In Diseases Classified Elsewhere, Site Unsp
M4985	Spond In Diseases Classd Elswhr, Thoracolumbar Region

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## Appendix A LBP Trigger Diagnosis Codes ICD-9 and ICD-10

ICD Diagnosis Code	Description
M4986	Spondylopathy In Diseases Classd Elswhr, Lumbar Region
M4987	Spondylopathy In Diseases Classd Elswhr, Lumbosacral Region
M4988	Spond In Diseases Classd Elswhr, Sacr / Sacrocygl Region
M4989	Spond In Diseases Classd Elswhr, Multiple Sites In Spine
M5105	Intvrt Disc Disorders W Myelopathy, Thoracolumbar Region
M5106	Intervertebral Disc Disorders With Myelopathy, Lumbar Region
M5107	Intvrt Disc Disorders W Myelopathy, Lumbosacral Region
M5115	Intvrt Disc Disorders W Radiculopathy, Thoracolumbar Region
M5116	Intervertebral Disc Disorders W Radiculopathy, Lumbar Region
M5117	Intvrt Disc Disorders W Radiculopathy, Lumbosacral Region
M5125	Other Intervertebral Disc Displacement, Thoracolumbar Region
M5126	Other Intervertebral Disc Displacement, Lumbar Region
M5127	Other Intervertebral Disc Displacement, Lumbosacral Region
M5135	Other Intervertebral Disc Degeneration, Thoracolumbar Region
M5136	Other Intervertebral Disc Degeneration, Lumbar Region
M5137	Other Intervertebral Disc Degeneration, Lumbosacral Region
M5145	Schmorl'S Nodes, Thoracolumbar Region
M5146	Schmorl'S Nodes, Lumbar Region
M5147	Schmorl'S Nodes, Lumbosacral Region
M5185	Other Intervertebral Disc Disorders, Thoracolumbar Region
M5186	Other Intervertebral Disc Disorders, Lumbar Region
M5187	Other Intervertebral Disc Disorders, Lumbosacral Region
M519	Unsp Thoracic, Thoracolumbar And Lumbosacr Intvrt Disc Disorder
M532X5	Spinal Instabilities, Thoracolumbar Region
M532X6	Spinal Instabilities, Lumbar Region
M532X7	Spinal Instabilities, Lumbosacral Region
M533	Sacrococcygeal Disorders, Not Elsewhere Classified
M5380	Other Specified Dorsopathies, Site Unspecified
M5385	Other Specified Dorsopathies, Thoracolumbar Region
M5386	Other Specified Dorsopathies, Lumbar Region
M5387	Other Specified Dorsopathies, Lumbosacral Region
M5388	Oth Dorsopathies, Sacral And Sacrococcygeal Region
M539	Dorsopathy, Unspecified
M5400	Panniculitis Affecting Regions Of Neck And Back, Site Unsp
M5405	Panniculitis Affecting Regions Of Neck/Bk, Thoracolumbar Region
M5406	Panniculitis Affecting Regions Of Neck/Bk, Lumbar Region
M5407	Panniculitis Affecting Regions Of Neck/Bk, Lumbosacr Region
M5408	Panniculitis Aff Regions Of Neck/Bk, Sacr / Sacrocygl Region
M5409	Panniculitis Aff Regions, Neck/Bk, Multiple Sites In Spine
M5410	Radiculopathy, Site Unspecified
M5415	Radiculopathy, Thoracolumbar Region
M5416	Radiculopathy, Lumbar Region
M5417	Radiculopathy, Lumbosacral Region
M5418	Radiculopathy, Sacral And Sacrococcygeal Region
M5430	Sciatica, Unspecified Side
M5431	Sciatica, Right Side
M5432	Sciatica, Left Side
M5440	Lumbago With Sciatica, Unspecified Side
M5441	Lumbago With Sciatica, Right Side
M5442	Lumbago With Sciatica, Left Side
M545	Low Back Pain
M5489	Other Dorsalgia
M549	Dorsalgia, Unspecified
M62830	Muscle Spasm Of Back
M961	Postlaminectomy Syndrome, Not Elsewhere Classified
M9903	Segmental And Somatic Dysfunction Of Lumbar Region
M9904	Segmental And Somatic Dysfunction Of Sacral Region
M9913	Subluxation Complex (Vertebral) Of Lumbar Region
M9914	Subluxation Complex (Vertebral) Of Sacral Region
M9915	Subluxation Complex (Vertebral) Of Pelvic Region
M9916	Subluxation Complex (Vertebral) Of Lower Extremity
M9923	Subluxation Stenosis Of Neural Canal Of Lumbar Region
M9924	Subluxation Stenosis Of Neural Canal Of Sacral Region
M9925	Subluxation Stenosis Of Neural Canal Of Pelvic Region
M9926	Subluxation Stenosis Of Neural Canal Of Lower Extremity

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### Appendix A LBP Trigger Diagnosis Codes ICD-9 and ICD-10

ICD Diagnosis Code	Description
M9929	Sublux Stenosis Of Neural Canal Of Abdomen And Oth Regions
M9933	Osseous Stenosis Of Neural Canal Of Lumbar Region
M9934	Osseous Stenosis Of Neural Canal Of Sacral Region
M9935	Osseous Stenosis Of Neural Canal Of Pelvic Region
M9936	Osseous Stenosis Of Neural Canal Of Lower Extremity
M9939	Osseous Stenosis Of Neural Canal Of Abdomen And Oth Regions
M9943	Connective Tissue Stenosis Of Neural Canal Of Lumbar Region
M9944	Connective Tissue Stenosis Of Neural Canal Of Sacral Region
M9945	Connective Tissue Stenosis Of Neural Canal Of Pelvic Region
M9946	Connective Tiss Stenosis Of Neural Canal Of Lower Extremity
M9949	Conn Tiss Stenos Of Neural Canal Of Abdomen And Oth Regions
M9953	Intvrt Disc Stenosis Of Neural Canal Of Lumbar Region
M9954	Intvrt Disc Stenosis Of Neural Canal Of Sacral Region
M9955	Intvrt Disc Stenosis Of Neural Canal Of Pelvic Region
M9956	Intervertebral Disc Stenosis Of Neural Canal Of Low Extrm
M9959	Intvrt Disc Stenos Of Neural Canal Of Abd And Oth Regions
M9963	Osseous And Sublux Stenos Of Intvrt Foramin Of Lumbar Region
M9964	Osseous And Sublux Stenos Of Intvrt Foramin Of Sacral Region
M9965	Osseous And Sublux Stenos Of Intvrt Foramin Of Pelvic Region
M9966	Osseous And Sublux Stenosis Of Intvrt Foramina Of Low Extrm
M9969	Osseous & Sublux Stenos Of Intvrt Foramin Of Abd And Oth Rgn
M9973	Conn Tiss And Disc Stenos Of Intvrt Foramin Of Lumbar Region
M9974	Conn Tiss And Disc Stenos Of Intvrt Foramin Of Sacral Region
M9975	Conn Tiss And Disc Stenos Of Intvrt Foramin Of Pelvic Region
M9976	Conn Tiss And Disc Stenosis Of Intvrt Foramina Of Low Extrm
M9979	Conn Tiss & Disc Stenos Of Intvrt Foramin Of Abd And Oth Rgn
M9983	Other Biomechanical Lesions Of Lumbar Region
M9984	Other Biomechanical Lesions Of Sacral Region
M9985	Other Biomechanical Lesions Of Pelvic Region
S335XXA	Sprain Of Ligaments Of Lumbar Spine, Initial Encounter
S338XXA	Sprain Of Oth Parts Of Lumbar Spine And Pelvis, Init Encntr
S339XXA	Sprain Of Unsp Parts Of Lumbar Spine And Pelvis, Init Encntr

## APPENDIX B

Appendix B Radiculopathy Diagnosis Codes ICD-9 and ICD-10	
ICD Diagnosis Code	Description
72142	Spond Compr Lumb Sp Cord
72190	Spondylos Nos W/O Myelop
72191	Spondylosis Nos W Myelop
72210	Lumbar Disc Displacement
7222	Disc Displacement Nos
72273	Lumb Disc Dis W Myelopat
72400	Spinal Stenosis Nos
72402	Spin Sten,Lumbr Wo Claud
72403	Spin Sten,Lumbr W Claud
72409	Spinal Stenosis-Oth Site
7243	Sciatica
7244	Lumbosacral Neuritis Nos
M4300	Spondylolysis, Site Unspecified
M4305	Spondylolysis, Thoracolumbar Region
M4306	Spondylolysis, Lumbar Region
M4307	Spondylolysis, Lumbosacral Region
M4308	Spondylolysis, Sacral And Sacrococcygeal Region
M4309	Spondylolysis, Multiple Sites In Spine
M4315	Spondylolisthesis, Thoracolumbar Region
M4316	Spondylolisthesis, Lumbar Region
M4318	Spondylolisthesis, Sacral And Sacrococcygeal Region
M4319	Spondylolisthesis, Multiple Sites In Spine
M4645	Discitis, Unspecified, Thoracolumbar Region
M4710	Other Spondylosis With Myelopathy, Site Unspecified
M4715	Other Spondylosis With Myelopathy, Thoracolumbar Region
M4716	Other Spondylosis With Myelopathy, Lumbar Region
M4717	Other Spondylosis With Myelopathy, Lumbosacral Region
M4718	Oth Spondylosis W Myelopathy, Sacr / Sacrocycl Region
M4720	Other Spondylosis With Radiculopathy, Site Unspecified
M4725	Other Spondylosis With Radiculopathy, Thoracolumbar Region
M4726	Other Spondylosis With Radiculopathy, Lumbar Region
M4727	Other Spondylosis With Radiculopathy, Lumbosacral Region
M4728	Oth Spondylosis W Radiculopathy, Sacr / Sacrocycl Region
M47817	Spondyls W/O Myelopathy Or Radiculopathy, Lumbosacr Region
M47818	Spondyls W/O Myelopath Or Radiculopathy, Sacr / Sacrocycl Rgn
M47895	Other Spondylosis, Thoracolumbar Region
M47897	Other Spondylosis, Lumbosacral Region
M47898	Other Spondylosis, Sacral And Sacrococcygeal Region
M47899	Other Spondylosis, Site Unspecified
M4800	Spinal Stenosis, Site Unspecified
M4805	Spinal Stenosis, Thoracolumbar Region
M4806	Spinal Stenosis, Lumbar Region
M4807	Spinal Stenosis, Lumbosacral Region
M4808	Spinal Stenosis, Sacral And Sacrococcygeal Region
M5105	Intvrt Disc Disorders W Myelopathy, Thoracolumbar Region
M5106	Intervertebral Disc Disorders With Myelopathy, Lumbar Region
M5107	Intvrt Disc Disorders W Myelopathy, Lumbosacral Region
M5115	Intvrt Disc Disorders W Radiculopathy, Thoracolumbar Region
M5116	Intervertebral Disc Disorders W Radiculopathy, Lumbar Region
M5117	Intvrt Disc Disorders W Radiculopathy, Lumbosacral Region
M5125	Other Intervertebral Disc Displacement, Thoracolumbar Region
M5126	Other Intervertebral Disc Displacement, Lumbar Region
M5127	Other Intervertebral Disc Displacement, Lumbosacral Region
M5135	Other Intervertebral Disc Degeneration, Thoracolumbar Region
M5137	Other Intervertebral Disc Degeneration, Lumbosacral Region
M5145	Schmorl'S Nodes, Thoracolumbar Region
M5146	Schmorl'S Nodes, Lumbar Region
M5147	Schmorl'S Nodes, Lumbosacral Region
M5185	Other Intervertebral Disc Disorders, Thoracolumbar Region
M5186	Other Intervertebral Disc Disorders, Lumbar Region
M5187	Other Intervertebral Disc Disorders, Lumbosacral Region
M519	Unsp Thoracic, Thoracolum And Lumbosacr Intvrt Disc Disorder
M5415	Radiculopathy, Thoracolumbar Region
M5416	Radiculopathy, Lumbar Region



## APPENDIX B

### Appendix B Radiculopathy Diagnosis Codes ICD-9 and ICD-10

ICD Diagnosis Code	Description
M5417	Radiculopathy, Lumbosacral Region
M5430	Sciatica, Unspecified Side
M5431	Sciatica, Right Side
M5432	Sciatica, Left Side
M5440	Lumbago With Sciatica, Unspecified Side
M5441	Lumbago With Sciatica, Right Side
M5442	Lumbago With Sciatica, Left Side
M9923	Subluxation Stenosis Of Neural Canal Of Lumbar Region
M9924	Subluxation Stenosis Of Neural Canal Of Sacral Region
M9925	Subluxation Stenosis Of Neural Canal Of Pelvic Region
M9926	Subluxation Stenosis Of Neural Canal Of Lower Extremity
M9929	Sublux Stenosis Of Neural Canal Of Abdomen And Oth Regions
M9933	Osseous Stenosis Of Neural Canal Of Lumbar Region
M9934	Osseous Stenosis Of Neural Canal Of Sacral Region
M9935	Osseous Stenosis Of Neural Canal Of Pelvic Region
M9936	Osseous Stenosis Of Neural Canal Of Lower Extremity
M9939	Osseous Stenosis Of Neural Canal Of Abdomen And Oth Regions
M9943	Connective Tissue Stenosis Of Neural Canal Of Lumbar Region
M9944	Connective Tissue Stenosis Of Neural Canal Of Sacral Region
M9945	Connective Tissue Stenosis Of Neural Canal Of Pelvic Region
M9946	Connective Tiss Stenosis Of Neural Canal Of Lower Extremity
M9949	Conn Tiss Stenos Of Neural Canal Of Abdomen And Oth Regions
M9953	Intvrt Disc Stenosis Of Neural Canal Of Lumbar Region
M9954	Intvrt Disc Stenosis Of Neural Canal Of Sacral Region
M9955	Intvrt Disc Stenosis Of Neural Canal Of Pelvic Region
M9956	Intervertebral Disc Stenosis Of Neural Canal Of Low Extrm
M9959	Intvrt Disc Stenos Of Neural Canal Of Abd And Oth Regions
M9963	Osseous And Sublux Stenos Of Intvrt Foramin Of Lumbar Region
M9964	Osseous And Sublux Stenos Of Intvrt Foramin Of Sacral Region
M9965	Osseous And Sublux Stenos Of Intvrt Foramin Of Pelvic Region
M9966	Osseous And Sublux Stenosis Of Intvrt Foramina Of Low Extrm
M9969	Osseous & Sublux Stenos Of Intvrt Foramin Of Abd And Oth Rgn
M9973	Conn Tiss And Disc Stenos Of Intvrt Foramin Of Lumbar Region
M9974	Conn Tiss And Disc Stenos Of Intvrt Foramin Of Sacral Region
M9975	Conn Tiss And Disc Stenos Of Intvrt Foramin Of Pelvic Region
M9976	Conn Tiss And Disc Stenosis Of Intvrt Foramina Of Low Extrm
M9979	Conn Tiss & Disc Stenos Of Intvrt Foramin Of Abd And Oth Rgn
M9983	Other Biomechanical Lesions Of Lumbar Region
M9984	Other Biomechanical Lesions Of Sacral Region
M9985	Other Biomechanical Lesions Of Pelvic Region

## APPENDIX C

Appendix C Lumbar Surgery Codes HCPCS	
HCPCS	Description
00630	Anesth, Spine, Cord Surgery
00632	Anesth, Removal Of Nerves
00634	Anesth For Chemonucleolysis
00635	Anesth, Lumbar Puncture
00670	Anesth, Spine, Cord Surgery
0163T	Lumb Artif Discectomy Addl
0164T	Remove Lumb Artif Disc Addl
0165T	Revise Lumb Artif Disc Addl
0171T	Lumbar Spine Proces Distract
0172T	Lumbar Spine Process Addl
01935	Anesth, Percutaneous Image Guided Proce
01936	Anesth, Percutaneous Image Guided Proce
0195T	Prescrl Fuse W/O Instr L5/S1
0196T	Prescrl Fuse W/O Instr L4/L5
0200T	Perq Sacral Augmt Unilat Inj
0201T	Perq Sacral Augmt Bilat Inj
0202T	Post Vert Arthrplst 1 Lumbar
0275T	Perq Lamot / Lam Lumbar
0282T	Periph Field Stimul Trial
0283T	Periph Field Stimul Perm
0309T	Prescrl Fuse W/ Instr L4/L5
20251	Open Bone Biopsy
20930	Sp Bone Algrft Morsel Add-On
20931	Sp Bone Algrft Struct Add-On
20936	Sp Bone Agrft Local Add-On
20937	Sp Bone Agrft Morsel Add-On
20938	Sp Bone Agrft Struct Add-On
22102	Remove Part Lumbar Vertebra
22103	Remove Extra Spine Segment
22114	Remove Part Lumbar Vertebra
22116	Remove Extra Spine Segment
22207	Incis Spine 3 Column Lumbar
22208	Incis Spine 3 Column Adl Seg
22214	Incis 1 Vertebral Seg Lumbar
22216	Incis Addl Spine Segment
22224	Incis W/Discectomy Lumbar
22226	Revise Extra Spine Segment
22511	Perq Lumbosacral Injection
22512	Vertebroplasty Addl Inject
22514	Perq Vertebral Augmentation
22515	Perq Vertebral Augmentation
22521	Percut Vertebroplasty Lumb
22522	Percut Vertebroplasty Addl
22524	Percut Kyphoplasty Lumbar
22525	Percut Kyphoplasty Add-On
22526	Idet Single Level
22527	Idet 1 Or More Levels
22533	Lat Lumbar Spine Fusion
22534	Lat Thor/Lumb Addl Seg
22558	Lumbar Spine Fusion
22585	Additional Spinal Fusion
22586	Prescrl Fuse W/ Instr L5-S1
22612	Lumbar Spine Fusion
22614	Spine Fusion Extra Segment
22630	Lumbar Spine Fusion
22632	Spine Fusion Extra Segment
22633	Lumbar Spine Fusion Combined
22634	Spine Fusion Extra Segment
22800	Post Fusion </6 Vert Seg
22802	Post Fusion 7-12 Vert Seg
22804	Post Fusion 13/> Vert Seg
22808	Ant Fusion 2-3 Vert Seg
22810	Ant Fusion 4-7 Vert Seg
22812	Ant Fusion 8/> Vert Seg
22818	Kyphectomy 1-2 Segments

## APPENDIX C

Appendix C Lumbar Surgery Codes HCPCS	
HCPCS	Description
22819	Kyphectomy 3 Or More
22830	Exploration Of Spinal Fusion
22840	Insert Spine Fixation Device
22841	Insert Spine Fixation Device
22842	Insert Spine Fixation Device
22843	Insert Spine Fixation Device
22844	Insert Spine Fixation Device
22845	Insert Spine Fixation Device
22846	Insert Spine Fixation Device
22847	Insert Spine Fixation Device
22849	Reinsert Spinal Fixation
22850	Remove Spine Fixation Device
22851	Apply Spine Prosth Device
22852	Remove Spine Fixation Device
22853	Insj Biomechanical Device
22854	Insj Biomechanical Device
22855	Remove Spine Fixation Device
22857	Lumbar Artif Discectomy
22859	Insj Biomechanical Device
22862	Revise Lumbar Artif Disc
22865	Remove Lumb Artif Disc
22867	Insj Stablj Dev W/Dcmprn
22868	Insj Stablj Dev W/Dcmprn
22869	Insj Stablj Dev W/O Dcmprn
22870	Insj Stablj Dev W/O Dcmprn
63005	Remove Spine Lamina 1/2 Lmbr
63011	Remove Spine Lamina 1/2 Scrl
63012	Remove Lamina / Facets Lumbar
63017	Remove Spine Lamina >2 Lmbr
63030	Low Back Disk Surgery
63035	Spinal Disk Surgery Add-On
63042	Laminotomy Single Lumbar
63044	Laminotomy Addl Lumbar
63047	Remove Spine Lamina 1 Lmbr
63048	Remove Spinal Lamina Add-On
63056	Decompress Spinal Cord Lmbr
63057	Decompress Spine Cord Add-On
63087	Remov Vertbr Dcmprn Thrclmbr
63088	Remove Vertebral Body Add-On
63090	Remove Vert Body Dcmprn Lmbr
63091	Remove Vertebral Body Add-On
63102	Remove Vert Body Dcmprn Lmbr
63103	Remove Vertebral Body Add-On
63170	Incise Spinal Cord Tract(S)
63173	Drainage Of Spinal Cyst
63185	Incise Spine Nrv Half Segmnt
63190	Incise Spine Nrv >2 Segmnts
63191	Incise Spine Accessory Nerve
63200	Release Spinal Cord Lumbar
63252	Revise Spine Cord Vsl Thrclmbr
63267	Excise Intrspinal Lesion Lmbr
63268	Excise Intrspinal Lesion Scrl
63272	Excise Intrspinal Lesion Lmbr
63273	Excise Intrspinal Lesion Scrl
63295	Repair Laminectomy Defect
63303	Remov Vert Xdrl Bdy Lmbr/Sac
63306	Remov Vert Idrl Bdy Thrclmbr
63307	Remov Vert Idrl Bdy Lmbr/Sac
63308	Remove Vertebral Body Add-On
63600	Remove Spinal Cord Lesion
63610	Stimulation Of Spinal Cord
63650	Implant Neuroelectrodes
63655	Implant Neuroelectrodes
63661	Remove Spine Eltrd Perq Aray
63662	Remove Spine Eltrd Plate

## APPENDIX C

### Appendix C Lumbar Surgery Codes HCPCS

HCPCS	Description
63663	Revise Spine Eltrd Perq Aray
63664	Revise Spine Eltrd Plate
63700	Repair Of Spinal Herniation
63702	Repair Of Spinal Herniation
63704	Repair Of Spinal Herniation
63706	Repair Of Spinal Herniation
63707	Repair Spinal Fluid Leakage
63709	Repair Spinal Fluid Leakage
63710	Graft Repair Of Spine Defect
64560	Implant Neuroelectrodes
64561	Implant Neuroelectrodes
64565	Implant Neuroelectrodes
64575	Implant Neuroelectrodes
64577	Implant Neuroelectrodes
64580	Implant Neuroelectrodes
64581	Implant Neuroelectrodes
64585	Revise / Remove Neuroelectrode
S2350	Diskectomy, Anterior, With D
S2351	Diskectomy, Anterior, With D

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0301	Removal Fb Spinal Canal
0302	Reopen Laminectomy Site
0309	Spinal Canal Explor Nec
031	Intraspin Nerve Root Div
0321	Percutaneous Chordotomy
0329	Other Chordotomy
0332	Spinal Cord / Meninges Bx
0339	Other Spinal Dx Proc
034	Excis Spinal Cord Lesion
0351	Spine Meningocele Repair
0352	Myelomeningocele Repair
0353	Vertebral Fx Repair
0359	Spinal Struct Repair Nec
036	Spinal Cord Adhesiolysis
0393	Imp / Repl Spine Stim Lead
0394	Removal Spine Stim Lead
0396	Percutan Facet Denervat
0397	Revise Spine Theca Shunt
0398	Remove Spine Theca Shunt
0399	Spine Canal Struc Op Nec
0523	Lumbar Sympathectomy
0524	Presacral Sympathectomy
8050	Exc / Dest Intvrt Disc Nos
8051	Excision Intervert Disc
8053	Rep Anulus Fibrosus-Grft
8054	Rep Anuls Fibros Nec / Nos
8059	Oth Exc / Dest Intvrt Disc
8104	Drsl/Drslumb Fus Ant / Ant
8105	Drsl/Dslmb Fus Post/Post
8106	Lumb / Lmbosac Fus Ant / Ant
8107	Lmb / Lmbosac Fus Post / Post
8108	Lumb / Lmbosac Fus Ant / Post
8134	Refus Drs / Drslmb Ant / Ant
8135	Refus Drs / Drslmb Pst / Pst
8136	Refus Lmb / Lmbosac Ant / Ant
8137	Refus Lmb / Lmbosac Pst / Pst
8138	Refus Lmb / Lmbosc Ant / Post
8162	Fus / Refus 2-3 Vertebrae
8163	Fus / Refus 4-8 Vertebrae
8164	Fus / Refus 9 Vertebrae
8165	Percutan Vertebroplasty
8166	Percut Vertebral Augment
8464	Ins Part Disc Pros Lumb
8465	Ins Totl Disc Pros Lumb
8468	Revise Disc Prosth Lumb
005Y0ZZ	Destruction Of Lumbar Spinal Cord, Open Approach
005Y3ZZ	Destruction Of Lumbar Spinal Cord, Percutaneous Approach
005Y4ZZ	Destruction Of Lumbar Spinal Cord, Perc Endo Approach
008Y0ZZ	Division Of Lumbar Spinal Cord, Open Approach
008Y3ZZ	Division Of Lumbar Spinal Cord, Percutaneous Approach
008Y4ZZ	Division Of Lumbar Spinal Cord, Perc Endo Approach
009300Z	Drainage Of Epidural Space With Drain Dev, Open Approach
00930ZX	Drainage Of Epidural Space, Open Approach, Diagnostic
00930ZZ	Drainage Of Epidural Space, Open Approach
009330Z	Drainage Of Epidural Space With Drain Dev, Perc Approach
00933ZX	Drainage Of Epidural Space, Percutaneous Approach, Diagn
00933ZZ	Drainage Of Epidural Space, Percutaneous Approach
009340Z	Drain Of Epidural Space With Drain Dev, Perc Endo Approach
00934ZX	Drainage Of Epidural Space, Perc Endo Approach, Diagn
00934ZZ	Drainage Of Epidural Space, Percutaneous Endoscopic Approach
009U00Z	Drainage Of Spinal Canal With Drainage Device, Open Approach
009U0ZX	Drainage Of Spinal Canal, Open Approach, Diagnostic
009U0ZZ	Drainage Of Spinal Canal, Open Approach
009U30Z	Drainage Of Spinal Canal With Drainage Device, Perc Approach
009U3ZX	Drainage Of Spinal Canal, Percutaneous Approach, Diagnostic

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
009U3ZZ	Drainage Of Spinal Canal, Percutaneous Approach
009U40Z	Drainage Of Spinal Canal With Drain Dev, Perc Endo Approach
009U4ZX	Drainage Of Spinal Canal, Perc Endo Approach, Diagn
009U4ZZ	Drainage Of Spinal Canal, Percutaneous Endoscopic Approach
009Y00Z	Drainage Of Lumbar Spinal Cord With Drain Dev, Open Approach
009Y0ZX	Drainage Of Lumbar Spinal Cord, Open Approach, Diagnostic
009Y0ZZ	Drainage Of Lumbar Spinal Cord, Open Approach
009Y30Z	Drainage Of Lumbar Spinal Cord With Drain Dev, Perc Approach
009Y3ZX	Drainage Of Lumbar Spinal Cord, Percutaneous Approach, Diagn
009Y3ZZ	Drainage Of Lumbar Spinal Cord, Percutaneous Approach
009Y40Z	Drain Of Lum Spinal Cord With Drain Dev, Perc Endo Approach
009Y4ZX	Drainage Of Lumbar Spinal Cord, Perc Endo Approach, Diagn
009Y4ZZ	Drainage Of Lumbar Spinal Cord, Perc Endo Approach
00BY0ZX	Excision Of Lumbar Spinal Cord, Open Approach, Diagnostic
00BY0ZZ	Excision Of Lumbar Spinal Cord, Open Approach
00BY3ZX	Excision Of Lumbar Spinal Cord, Percutaneous Approach, Diagn
00BY3ZZ	Excision Of Lumbar Spinal Cord, Percutaneous Approach
00BY4ZX	Excision Of Lumbar Spinal Cord, Perc Endo Approach, Diagn
00BY4ZZ	Excision Of Lumbar Spinal Cord, Perc Endo Approach
00C30ZZ	Extirpation Of Matter From Epidural Space, Open Approach
00C33ZZ	Extirpation Of Matter From Epidural Space, Perc Approach
00C34ZZ	Extirpate Of Matter From Epidural Space, Perc Endo Approach
00CY0ZZ	Extirpation Of Matter From Lumbar Spinal Cord, Open Approach
00CY3ZZ	Extirpation Of Matter From Lumbar Spinal Cord, Perc Approach
00CY4ZZ	Extirpate Of Matter From Lum Spinal Cord, Perc Endo Approach
00F30ZZ	Fragmentation In Epidural Space, Open Approach
00F33ZZ	Fragmentation In Epidural Space, Percutaneous Approach
00F34ZZ	Fragmentation In Epidural Space, Perc Endo Approach
00FU0ZZ	Fragmentation In Spinal Canal, Open Approach
00FU3ZZ	Fragmentation In Spinal Canal, Percutaneous Approach
00FU4ZZ	Fragmentation In Spinal Canal, Perc Endo Approach
00HU02Z	Insertion Of Monitor Dev Into Spinal Canal, Open Approach
00HU03Z	Insertion Of Infusion Dev Into Spinal Canal, Open Approach
00HU0MZ	Insertion Of Neuro Lead Into Spinal Canal, Open Approach
00HU32Z	Insertion Of Monitor Dev Into Spinal Canal, Perc Approach
00HU33Z	Insertion Of Infusion Dev Into Spinal Canal, Perc Approach
00HU3MZ	Insertion Of Neuro Lead Into Spinal Canal, Perc Approach
00HU42Z	Insert Of Monitor Dev Into Spinal Canal, Perc Endo Approach
00HU43Z	Insert Of Infusion Dev Into Spinal Canal, Perc Endo Approach
00HU4MZ	Insert Of Neuro Lead Into Spinal Canal, Perc Endo Approach
00JU0ZZ	Inspection Of Spinal Canal, Open Approach
00JU3ZZ	Inspection Of Spinal Canal, Percutaneous Approach
00JU4ZZ	Inspection Of Spinal Canal, Percutaneous Endoscopic Approach
00NY0ZZ	Release Lumbar Spinal Cord, Open Approach
00NY3ZZ	Release Lumbar Spinal Cord, Percutaneous Approach
00NY4ZZ	Release Lumbar Spinal Cord, Percutaneous Endoscopic Approach
00PU00Z	Removal Of Drainage Device From Spinal Canal, Open Approach
00PU02Z	Removal Of Monitor Dev From Spinal Canal, Open Approach
00PU03Z	Removal Of Infusion Device From Spinal Canal, Open Approach
00PU0JZ	Removal Of Synth Sub From Spinal Canal, Open Approach
00PU0MZ	Removal Of Neuro Lead From Spinal Canal, Open Approach
00PU30Z	Removal Of Drainage Device From Spinal Canal, Perc Approach
00PU32Z	Removal Of Monitor Dev From Spinal Canal, Perc Approach
00PU33Z	Removal Of Infusion Device From Spinal Canal, Perc Approach
00PU3JZ	Removal Of Synth Sub From Spinal Canal, Perc Approach
00PU3MZ	Removal Of Neuro Lead From Spinal Canal, Perc Approach
00PU40Z	Removal Of Drain Dev From Spinal Canal, Perc Endo Approach
00PU42Z	Removal Of Monitor Dev From Spinal Canal, Perc Endo Approach
00PU43Z	Remove Of Infusion Dev From Spinal Canal, Perc Endo Approach
00PU4JZ	Removal Of Synth Sub From Spinal Canal, Perc Endo Approach
00PU4MZ	Removal Of Neuro Lead From Spinal Canal, Perc Endo Approach
00QY0ZZ	Repair Lumbar Spinal Cord, Open Approach
00QY3ZZ	Repair Lumbar Spinal Cord, Percutaneous Approach
00QY4ZZ	Repair Lumbar Spinal Cord, Percutaneous Endoscopic Approach
00SY0ZZ	Reposition Lumbar Spinal Cord, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
00SY3ZZ	Reposition Lumbar Spinal Cord, Percutaneous Approach
00SY4ZZ	Reposition Lumbar Spinal Cord, Perc Endo Approach
00WU00Z	Revision Of Drainage Device In Spinal Canal, Open Approach
00WU02Z	Revision Of Monitoring Device In Spinal Canal, Open Approach
00WU03Z	Revision Of Infusion Device In Spinal Canal, Open Approach
00WU0JZ	Revision Of Synth Sub In Spinal Canal, Open Approach
00WU0MZ	Revision Of Neuro Lead In Spinal Canal, Open Approach
00WU30Z	Revision Of Drainage Device In Spinal Canal, Perc Approach
00WU32Z	Revision Of Monitoring Device In Spinal Canal, Perc Approach
00WU33Z	Revision Of Infusion Device In Spinal Canal, Perc Approach
00WU3JZ	Revision Of Synth Sub In Spinal Canal, Perc Approach
00WU3MZ	Revision Of Neuro Lead In Spinal Canal, Perc Approach
00WU40Z	Revision Of Drain Dev In Spinal Canal, Perc Endo Approach
00WU42Z	Revision Of Monitor Dev In Spinal Canal, Perc Endo Approach
00WU43Z	Revision Of Infusion Dev In Spinal Canal, Perc Endo Approach
00WU4JZ	Revision Of Synth Sub In Spinal Canal, Perc Endo Approach
00WU4MZ	Revision Of Neuro Lead In Spinal Canal, Perc Endo Approach
01590ZZ	Destruction Of Lumbar Plexus, Open Approach
01593ZZ	Destruction Of Lumbar Plexus, Percutaneous Approach
01594ZZ	Destruction Of Lumbar Plexus, Perc Endo Approach
015A0ZZ	Destruction Of Lumbosacral Plexus, Open Approach
015A3ZZ	Destruction Of Lumbosacral Plexus, Percutaneous Approach
015A4ZZ	Destruction Of Lumbosacral Plexus, Perc Endo Approach
015B0ZZ	Destruction Of Lumbar Nerve, Open Approach
015B3ZZ	Destruction Of Lumbar Nerve, Percutaneous Approach
015B4ZZ	Destruction Of Lumbar Nerve, Perc Endo Approach
015N0ZZ	Destruction Of Lumbar Sympathetic Nerve, Open Approach
015N3ZZ	Destruction Of Lumbar Sympathetic Nerve, Perc Approach
015N4ZZ	Destruction Of Lumbar Sympathetic Nerve, Perc Endo Approach
01890ZZ	Division Of Lumbar Plexus, Open Approach
01893ZZ	Division Of Lumbar Plexus, Percutaneous Approach
01894ZZ	Division Of Lumbar Plexus, Percutaneous Endoscopic Approach
018A0ZZ	Division Of Lumbosacral Plexus, Open Approach
018A3ZZ	Division Of Lumbosacral Plexus, Percutaneous Approach
018A4ZZ	Division Of Lumbosacral Plexus, Perc Endo Approach
018B0ZZ	Division Of Lumbar Nerve, Open Approach
018B3ZZ	Division Of Lumbar Nerve, Percutaneous Approach
018B4ZZ	Division Of Lumbar Nerve, Percutaneous Endoscopic Approach
018N0ZZ	Division Of Lumbar Sympathetic Nerve, Open Approach
018N3ZZ	Division Of Lumbar Sympathetic Nerve, Percutaneous Approach
018N4ZZ	Division Of Lumbar Sympathetic Nerve, Perc Endo Approach
019900Z	Drainage Of Lumbar Plexus With Drain Dev, Open Approach
01990ZX	Drainage Of Lumbar Plexus, Open Approach, Diagnostic
01990ZZ	Drainage Of Lumbar Plexus, Open Approach
019930Z	Drainage Of Lumbar Plexus With Drain Dev, Perc Approach
01993ZX	Drainage Of Lumbar Plexus, Percutaneous Approach, Diagnostic
01993ZZ	Drainage Of Lumbar Plexus, Percutaneous Approach
019940Z	Drainage Of Lumbar Plexus With Drain Dev, Perc Endo Approach
01994ZX	Drainage Of Lumbar Plexus, Perc Endo Approach, Diagn
01994ZZ	Drainage Of Lumbar Plexus, Percutaneous Endoscopic Approach
019A00Z	Drainage Of Lumbosacral Plexus With Drain Dev, Open Approach
019A0ZX	Drainage Of Lumbosacral Plexus, Open Approach, Diagnostic
019A0ZZ	Drainage Of Lumbosacral Plexus, Open Approach
019A30Z	Drainage Of Lumbosacral Plexus With Drain Dev, Perc Approach
019A3ZX	Drainage Of Lumbosacral Plexus, Percutaneous Approach, Diagn
019A3ZZ	Drainage Of Lumbosacral Plexus, Percutaneous Approach
019A40Z	Drain Of Lumbosacr Plexus With Drain Dev, Perc Endo Approach
019A4ZX	Drainage Of Lumbosacral Plexus, Perc Endo Approach, Diagn
019A4ZZ	Drainage Of Lumbosacral Plexus, Perc Endo Approach
019B00Z	Drainage Of Lumbar Nerve With Drainage Device, Open Approach
019B0ZX	Drainage Of Lumbar Nerve, Open Approach, Diagnostic
019B0ZZ	Drainage Of Lumbar Nerve, Open Approach
019B30Z	Drainage Of Lumbar Nerve With Drainage Device, Perc Approach
019B3ZX	Drainage Of Lumbar Nerve, Percutaneous Approach, Diagnostic
019B3ZZ	Drainage Of Lumbar Nerve, Percutaneous Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
019B40Z	Drainage Of Lumbar Nerve With Drain Dev, Perc Endo Approach
019B4ZX	Drainage Of Lumbar Nerve, Perc Endo Approach, Diagn
019B4ZZ	Drainage Of Lumbar Nerve, Percutaneous Endoscopic Approach
019N00Z	Drainage Of Lumbar Symp Nrv With Drain Dev, Open Approach
019N0ZX	Drainage Of Lumbar Sympathetic Nerve, Open Approach, Diagn
019N0ZZ	Drainage Of Lumbar Sympathetic Nerve, Open Approach
019N30Z	Drainage Of Lumbar Symp Nrv With Drain Dev, Perc Approach
019N3ZX	Drainage Of Lumbar Sympathetic Nerve, Perc Approach, Diagn
019N3ZZ	Drainage Of Lumbar Sympathetic Nerve, Percutaneous Approach
019N40Z	Drain Of Lumbar Symp Nrv With Drain Dev, Perc Endo Approach
019N4ZX	Drainage Of Lumbar Symp Nrv, Perc Endo Approach, Diagn
019N4ZZ	Drainage Of Lumbar Sympathetic Nerve, Perc Endo Approach
01B90ZX	Excision Of Lumbar Plexus, Open Approach, Diagnostic
01B90ZZ	Excision Of Lumbar Plexus, Open Approach
01B93ZX	Excision Of Lumbar Plexus, Percutaneous Approach, Diagnostic
01B93ZZ	Excision Of Lumbar Plexus, Percutaneous Approach
01B94ZX	Excision Of Lumbar Plexus, Perc Endo Approach, Diagn
01B94ZZ	Excision Of Lumbar Plexus, Percutaneous Endoscopic Approach
01BA0ZX	Excision Of Lumbosacral Plexus, Open Approach, Diagnostic
01BA0ZZ	Excision Of Lumbosacral Plexus, Open Approach
01BA3ZX	Excision Of Lumbosacral Plexus, Percutaneous Approach, Diagn
01BA3ZZ	Excision Of Lumbosacral Plexus, Percutaneous Approach
01BA4ZX	Excision Of Lumbosacral Plexus, Perc Endo Approach, Diagn
01BA4ZZ	Excision Of Lumbosacral Plexus, Perc Endo Approach
01BB0ZX	Excision Of Lumbar Nerve, Open Approach, Diagnostic
01BB0ZZ	Excision Of Lumbar Nerve, Open Approach
01BB3ZX	Excision Of Lumbar Nerve, Percutaneous Approach, Diagnostic
01BB3ZZ	Excision Of Lumbar Nerve, Percutaneous Approach
01BB4ZX	Excision Of Lumbar Nerve, Perc Endo Approach, Diagn
01BB4ZZ	Excision Of Lumbar Nerve, Percutaneous Endoscopic Approach
01BN0ZX	Excision Of Lumbar Sympathetic Nerve, Open Approach, Diagn
01BN0ZZ	Excision Of Lumbar Sympathetic Nerve, Open Approach
01BN3ZX	Excision Of Lumbar Sympathetic Nerve, Perc Approach, Diagn
01BN3ZZ	Excision Of Lumbar Sympathetic Nerve, Percutaneous Approach
01BN4ZX	Excision Of Lumbar Symp Nrv, Perc Endo Approach, Diagn
01BN4ZZ	Excision Of Lumbar Sympathetic Nerve, Perc Endo Approach
01C90ZZ	Extirpation Of Matter From Lumbar Plexus, Open Approach
01C93ZZ	Extirpation Of Matter From Lumbar Plexus, Perc Approach
01C94ZZ	Extirpation Of Matter From Lumbar Plexus, Perc Endo Approach
01CA0ZZ	Extirpation Of Matter From Lumbosacral Plexus, Open Approach
01CA3ZZ	Extirpation Of Matter From Lumbosacral Plexus, Perc Approach
01CA4ZZ	Extirpate Matter From Lumbosacr Plexus, Perc Endo
01CB0ZZ	Extirpation Of Matter From Lumbar Nerve, Open Approach
01CB3ZZ	Extirpation Of Matter From Lumbar Nerve, Perc Approach
01CB4ZZ	Extirpation Of Matter From Lumbar Nerve, Perc Endo Approach
01CN0ZZ	Extirpation Of Matter From Lumbar Symp Nrv, Open Approach
01CN3ZZ	Extirpation Of Matter From Lumbar Symp Nrv, Perc Approach
01CN4ZZ	Extirpate Of Matter From Lumbar Symp Nrv, Perc Endo Approach
01D90ZZ	Extraction Of Lumbar Plexus, Open Approach
01D93ZZ	Extraction Of Lumbar Plexus, Percutaneous Approach
01D94ZZ	Extraction Of Lumbar Plexus, Perc Endo Approach
01DA0ZZ	Extraction Of Lumbosacral Plexus, Open Approach
01DA3ZZ	Extraction Of Lumbosacral Plexus, Percutaneous Approach
01DA4ZZ	Extraction Of Lumbosacral Plexus, Perc Endo Approach
01DB0ZZ	Extraction Of Lumbar Nerve, Open Approach
01DB3ZZ	Extraction Of Lumbar Nerve, Percutaneous Approach
01DB4ZZ	Extraction Of Lumbar Nerve, Percutaneous Endoscopic Approach
01DN0ZZ	Extraction Of Lumbar Sympathetic Nerve, Open Approach
01DN3ZZ	Extraction Of Lumbar Sympathetic Nerve, Perc Approach
01DN4ZZ	Extraction Of Lumbar Sympathetic Nerve, Perc Endo Approach
01N90ZZ	Release Lumbar Plexus, Open Approach
01N93ZZ	Release Lumbar Plexus, Percutaneous Approach
01N94ZZ	Release Lumbar Plexus, Percutaneous Endoscopic Approach
01NA0ZZ	Release Lumbosacral Plexus, Open Approach
01NA3ZZ	Release Lumbosacral Plexus, Percutaneous Approach



## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
01NA4ZZ	Release Lumbosacral Plexus, Percutaneous Endoscopic Approach
01NB0ZZ	Release Lumbar Nerve, Open Approach
01NB3ZZ	Release Lumbar Nerve, Percutaneous Approach
01NB4ZZ	Release Lumbar Nerve, Percutaneous Endoscopic Approach
01NN0ZZ	Release Lumbar Sympathetic Nerve, Open Approach
01NN3ZZ	Release Lumbar Sympathetic Nerve, Percutaneous Approach
01NN4ZZ	Release Lumbar Sympathetic Nerve, Perc Endo Approach
01Q90ZZ	Repair Lumbar Plexus, Open Approach
01Q93ZZ	Repair Lumbar Plexus, Percutaneous Approach
01Q94ZZ	Repair Lumbar Plexus, Percutaneous Endoscopic Approach
01QA0ZZ	Repair Lumbosacral Plexus, Open Approach
01QA3ZZ	Repair Lumbosacral Plexus, Percutaneous Approach
01QA4ZZ	Repair Lumbosacral Plexus, Percutaneous Endoscopic Approach
01QB0ZZ	Repair Lumbar Nerve, Open Approach
01QB3ZZ	Repair Lumbar Nerve, Percutaneous Approach
01QB4ZZ	Repair Lumbar Nerve, Percutaneous Endoscopic Approach
01QN0ZZ	Repair Lumbar Sympathetic Nerve, Open Approach
01QN3ZZ	Repair Lumbar Sympathetic Nerve, Percutaneous Approach
01QN4ZZ	Repair Lumbar Sympathetic Nerve, Perc Endo Approach
01S90ZZ	Reposition Lumbar Plexus, Open Approach
01S93ZZ	Reposition Lumbar Plexus, Percutaneous Approach
01S94ZZ	Reposition Lumbar Plexus, Percutaneous Endoscopic Approach
01SA0ZZ	Reposition Lumbosacral Plexus, Open Approach
01SA3ZZ	Reposition Lumbosacral Plexus, Percutaneous Approach
01SA4ZZ	Reposition Lumbosacral Plexus, Perc Endo Approach
01SB0ZZ	Reposition Lumbar Nerve, Open Approach
01SB3ZZ	Reposition Lumbar Nerve, Percutaneous Approach
01SB4ZZ	Reposition Lumbar Nerve, Percutaneous Endoscopic Approach
01UB0ZZ	Supplement Lumbar Nerve With Autol Sub, Open Approach
01UB3ZZ	Supplement Lumbar Nerve With Autol Sub, Perc Approach
01UB4ZZ	Supplement Lumbar Nerve With Autol Sub, Perc Endo Approach
01XB0ZZ	Transfer Lumbar Nerve To Lumbar Nerve, Open Approach
01XB0ZZC	Transfer Lumbar Nerve To Perineal Nerve, Open Approach
01XB4ZZ	Transfer Lumbar Nerve To Lumbar Nerve, Perc Endo Approach
01XB4ZZC	Transfer Lumbar Nerve To Perineal Nerve, Perc Endo Approach
01XC0ZZ	Transfer Pudendal Nerve To Lumbar Nerve, Open Approach
01XC4ZZ	Transfer Pudendal Nerve To Lumbar Nerve, Perc Endo Approach
0Q500ZZ	Destruction Of Lumbar Vertebra, Open Approach
0Q503ZZ	Destruction Of Lumbar Vertebra, Percutaneous Approach
0Q504ZZ	Destruction Of Lumbar Vertebra, Perc Endo Approach
0Q800ZZ	Division Of Lumbar Vertebra, Open Approach
0Q803ZZ	Division Of Lumbar Vertebra, Percutaneous Approach
0Q804ZZ	Division Of Lumbar Vertebra, Perc Endo Approach
0Q900ZZ	Drainage Of Lumbar Vertebra With Drain Dev, Open Approach
0Q900ZZX	Drainage Of Lumbar Vertebra, Open Approach, Diagnostic
0Q900ZZZ	Drainage Of Lumbar Vertebra, Open Approach
0Q903ZZ	Drainage Of Lumbar Vertebra With Drain Dev, Perc Approach
0Q903ZZX	Drainage Of Lumbar Vertebra, Percutaneous Approach, Diagn
0Q903ZZZ	Drainage Of Lumbar Vertebra, Percutaneous Approach
0Q904ZZ	Drainage Of Lum Vertebra With Drain Dev, Perc Endo Approach
0Q904ZZX	Drainage Of Lumbar Vertebra, Perc Endo Approach, Diagn
0Q904ZZZ	Drainage Of Lumbar Vertebra, Perc Endo Approach
0QB00ZZ	Excision Of Lumbar Vertebra, Open Approach, Diagnostic
0QB00ZZZ	Excision Of Lumbar Vertebra, Open Approach
0QB03ZZ	Excision Of Lumbar Vertebra, Percutaneous Approach, Diagn
0QB03ZZZ	Excision Of Lumbar Vertebra, Percutaneous Approach
0QB04ZZ	Excision Of Lumbar Vertebra, Perc Endo Approach, Diagn
0QB04ZZZ	Excision Of Lumbar Vertebra, Perc Endo Approach
0QC00ZZ	Extirpation Of Matter From Lumbar Vertebra, Open Approach
0QC03ZZ	Extirpation Of Matter From Lumbar Vertebra, Perc Approach
0QC04ZZ	Extirpation Of Matter From Lum Vertebra, Perc Endo Approach
0QH00ZZ	Insertion Of Int Fix Into Lum Vertebra, Open Approach
0QH00ZZZ	Insertion Of Ext Fix Into Lum Vertebra, Open Approach
0QH03ZZ	Insertion Of Int Fix Into Lum Vertebra, Perc Approach
0QH03ZZZ	Insertion Of Ext Fix Into Lum Vertebra, Perc Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0QH044Z	Insertion Of Int Fix Into Lum Vertebra, Perc Endo Approach
0QH045Z	Insertion Of Ext Fix Into Lum Vertebra, Perc Endo Approach
0QN00ZZ	Release Lumbar Vertebra, Open Approach
0QN03ZZ	Release Lumbar Vertebra, Percutaneous Approach
0QN04ZZ	Release Lumbar Vertebra, Percutaneous Endoscopic Approach
0QP004Z	Removal Of Int Fix From Lum Vertebra, Open Approach
0QP007Z	Removal Of Autol Sub From Lum Vertebra, Open Approach
0QP00JZ	Removal Of Synth Sub From Lum Vertebra, Open Approach
0QP00KZ	Removal Of Nonaut Sub From Lum Vertebra, Open Approach
0QP034Z	Removal Of Int Fix From Lum Vertebra, Perc Approach
0QP037Z	Removal Of Autol Sub From Lum Vertebra, Perc Approach
0QP03JZ	Removal Of Synth Sub From Lum Vertebra, Perc Approach
0QP03KZ	Removal Of Nonaut Sub From Lum Vertebra, Perc Approach
0QP044Z	Removal Of Int Fix From Lum Vertebra, Perc Endo Approach
0QP047Z	Removal Of Autol Sub From Lum Vertebra, Perc Endo Approach
0QP04JZ	Removal Of Synth Sub From Lum Vertebra, Perc Endo Approach
0QP04KZ	Removal Of Nonaut Sub From Lum Vertebra, Perc Endo Approach
0QQ00ZZ	Repair Lumbar Vertebra, Open Approach
0QQ03ZZ	Repair Lumbar Vertebra, Percutaneous Approach
0QQ04ZZ	Repair Lumbar Vertebra, Percutaneous Endoscopic Approach
0QR007Z	Replacement Of Lumbar Vertebra With Autol Sub, Open Approach
0QR00JZ	Replacement Of Lumbar Vertebra With Synth Sub, Open Approach
0QR00KZ	Replacement Of Lum Vertebra With Nonaut Sub, Open Approach
0QR037Z	Replacement Of Lumbar Vertebra With Autol Sub, Perc Approach
0QR03JZ	Replacement Of Lumbar Vertebra With Synth Sub, Perc Approach
0QR03KZ	Replacement Of Lum Vertebra With Nonaut Sub, Perc Approach
0QR047Z	Replace Of Lum Vertebra With Autol Sub, Perc Endo Approach
0QR04JZ	Replace Of Lum Vertebra With Synth Sub, Perc Endo Approach
0QR04KZ	Replace Of Lum Vertebra With Nonaut Sub, Perc Endo Approach
0QS004Z	Reposition Lumbar Vertebra With Int Fix, Open Approach
0QS00ZZ	Reposition Lumbar Vertebra, Open Approach
0QS034Z	Reposition Lumbar Vertebra With Int Fix, Perc Approach
0QS03ZZ	Reposition Lumbar Vertebra, Percutaneous Approach
0QS044Z	Reposition Lumbar Vertebra With Int Fix, Perc Endo Approach
0QS04ZZ	Reposition Lumbar Vertebra, Percutaneous Endoscopic Approach
0QU007Z	Supplement Lumbar Vertebra With Autol Sub, Open Approach
0QU00JZ	Supplement Lumbar Vertebra With Synth Sub, Open Approach
0QU00KZ	Supplement Lumbar Vertebra With Nonaut Sub, Open Approach
0QU037Z	Supplement Lumbar Vertebra With Autol Sub, Perc Approach
0QU03JZ	Supplement Lumbar Vertebra With Synth Sub, Perc Approach
0QU03KZ	Supplement Lumbar Vertebra With Nonaut Sub, Perc Approach
0QU047Z	Supplement Lum Vertebra With Autol Sub, Perc Endo Approach
0QU04JZ	Supplement Lum Vertebra With Synth Sub, Perc Endo Approach
0QU04KZ	Supplement Lum Vertebra With Nonaut Sub, Perc Endo Approach
0QW004Z	Revision Of Int Fix In Lum Vertebra, Open Approach
0QW007Z	Revision Of Autol Sub In Lum Vertebra, Open Approach
0QW00JZ	Revision Of Synth Sub In Lum Vertebra, Open Approach
0QW00KZ	Revision Of Nonaut Sub In Lum Vertebra, Open Approach
0QW034Z	Revision Of Int Fix In Lum Vertebra, Perc Approach
0QW037Z	Revision Of Autol Sub In Lum Vertebra, Perc Approach
0QW03JZ	Revision Of Synth Sub In Lum Vertebra, Perc Approach
0QW03KZ	Revision Of Nonaut Sub In Lum Vertebra, Perc Approach
0QW044Z	Revision Of Int Fix In Lum Vertebra, Perc Endo Approach
0QW047Z	Revision Of Autol Sub In Lum Vertebra, Perc Endo Approach
0QW04JZ	Revision Of Synth Sub In Lum Vertebra, Perc Endo Approach
0QW04KZ	Revision Of Nonaut Sub In Lum Vertebra, Perc Endo Approach
0R5A0ZZ	Destruction Of Thoracolumbar Vertebral Joint, Open Approach
0R5A3ZZ	Destruction Of Thoracolumbar Vertebral Joint, Perc Approach
0R5A4ZZ	Destruction Of T-Lum Jt, Perc Endo Approach
0R5B0ZZ	Destruction Of Thoracolumbar Vertebral Disc, Open Approach
0R5B3ZZ	Destruction Of Thoracolumbar Vertebral Disc, Perc Approach
0R5B4ZZ	Destruction Of T-Lum Disc, Perc Endo Approach
0R9A00Z	Drainage Of T-Lum Jt With Drain Dev, Open Approach
0R9A0ZX	Drainage Of T-Lum Jt, Open Approach, Diagn
0R9A0ZZ	Drainage Of Thoracolumbar Vertebral Joint, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0R9A30Z	Drainage Of T-Lum Jt With Drain Dev, Perc Approach
0R9A3ZX	Drainage Of T-Lum Jt, Perc Approach, Diagn
0R9A3ZZ	Drainage Of Thoracolumbar Vertebral Joint, Perc Approach
0R9A40Z	Drainage Of T-Lum Jt With Drain Dev, Perc Endo Approach
0R9A4ZX	Drainage Of T-Lum Jt, Perc Endo Approach, Diagn
0R9A4ZZ	Drainage Of T-Lum Jt, Perc Endo Approach
0R9B00Z	Drainage Of T-Lum Disc With Drain Dev, Open Approach
0R9B0ZX	Drainage Of T-Lum Disc, Open Approach, Diagn
0R9B0ZZ	Drainage Of Thoracolumbar Vertebral Disc, Open Approach
0R9B30Z	Drainage Of T-Lum Disc With Drain Dev, Perc Approach
0R9B3ZX	Drainage Of T-Lum Disc, Perc Approach, Diagn
0R9B3ZZ	Drainage Of Thoracolumbar Vertebral Disc, Perc Approach
0R9B40Z	Drainage Of T-Lum Disc With Drain Dev, Perc Endo Approach
0R9B4ZX	Drainage Of T-Lum Disc, Perc Endo Approach, Diagn
0R9B4ZZ	Drainage Of Thoracolumbar Vertebral Disc, Perc Endo Approach
0RBA0ZX	Excision Of T-Lum Jt, Open Approach, Diagn
0RBA0ZZ	Excision Of Thoracolumbar Vertebral Joint, Open Approach
0RBA3ZX	Excision Of T-Lum Jt, Perc Approach, Diagn
0RBA3ZZ	Excision Of Thoracolumbar Vertebral Joint, Perc Approach
0RBA4ZX	Excision Of T-Lum Jt, Perc Endo Approach, Diagn
0RBA4ZZ	Excision Of T-Lum Jt, Perc Endo Approach
0RBB0ZX	Excision Of T-Lum Disc, Open Approach, Diagn
0RBB0ZZ	Excision Of Thoracolumbar Vertebral Disc, Open Approach
0RBB3ZX	Excision Of T-Lum Disc, Perc Approach, Diagn
0RBB3ZZ	Excision Of Thoracolumbar Vertebral Disc, Perc Approach
0RBB4ZX	Excision Of T-Lum Disc, Perc Endo Approach, Diagn
0RBB4ZZ	Excision Of Thoracolumbar Vertebral Disc, Perc Endo Approach
0RCA0ZZ	Extirpation Of Matter From T-Lum Jt, Open Approach
0RCA3ZZ	Extirpation Of Matter From T-Lum Jt, Perc Approach
0RCA4ZZ	Extirpation Of Matter From T-Lum Jt, Perc Endo Approach
0RCB0ZZ	Extirpation Of Matter From T-Lum Disc, Open Approach
0RCB3ZZ	Extirpation Of Matter From T-Lum Disc, Perc Approach
0RCB4ZZ	Extirpation Of Matter From T-Lum Disc, Perc Endo Approach
0RGA070	Fusion T-Lum Jt W Autol Sub, Ant Appr A Col, Open
0RGA071	Fusion T-Lum Jt W Autol Sub, Post Appr P Col, Open
0RGA07J	Fusion T-Lum Jt W Autol Sub, Post Appr A Col, Open
0RGA0A0	Fusion T-Lum Jt W Intbd Fus Dev, Ant Appr A Col, Open
0RGA0A1	Fusion T-Lum Jt W Intbd Fus Dev, Post Appr P Col, Open
0RGA0AJ	Fusion T-Lum Jt W Intbd Fus Dev, Post Appr A Col, Open
0RGA0J0	Fusion T-Lum Jt W Synth Sub, Ant Appr A Col, Open
0RGA0J1	Fusion T-Lum Jt W Synth Sub, Post Appr P Col, Open
0RGA0JJ	Fusion T-Lum Jt W Synth Sub, Post Appr A Col, Open
0RGA0K0	Fusion T-Lum Jt W Nonaut Sub, Ant Appr A Col, Open
0RGA0K1	Fusion T-Lum Jt W Nonaut Sub, Post Appr P Col, Open
0RGA0KJ	Fusion T-Lum Jt W Nonaut Sub, Post Appr A Col, Open
0RGA0Z0	Fusion Of T-Lum Jt, Ant Appr A Col, Open Approach
0RGA0Z1	Fusion Of T-Lum Jt, Post Appr P Col, Open Approach
0RGA0ZJ	Fusion Of T-Lum Jt, Post Appr A Col, Open Approach
0RGA370	Fusion T-Lum Jt W Autol Sub, Ant Appr A Col, Perc
0RGA371	Fusion T-Lum Jt W Autol Sub, Post Appr P Col, Perc
0RGA37J	Fusion T-Lum Jt W Autol Sub, Post Appr A Col, Perc
0RGA3A0	Fusion T-Lum Jt W Intbd Fus Dev, Ant Appr A Col, Perc
0RGA3A1	Fusion T-Lum Jt W Intbd Fus Dev, Post Appr P Col, Perc
0RGA3AJ	Fusion T-Lum Jt W Intbd Fus Dev, Post Appr A Col, Perc
0RGA3J0	Fusion T-Lum Jt W Synth Sub, Ant Appr A Col, Perc
0RGA3J1	Fusion T-Lum Jt W Synth Sub, Post Appr P Col, Perc
0RGA3JJ	Fusion T-Lum Jt W Synth Sub, Post Appr A Col, Perc
0RGA3K0	Fusion T-Lum Jt W Nonaut Sub, Ant Appr A Col, Perc
0RGA3K1	Fusion T-Lum Jt W Nonaut Sub, Post Appr P Col, Perc
0RGA3KJ	Fusion T-Lum Jt W Nonaut Sub, Post Appr A Col, Perc
0RGA3Z0	Fusion Of T-Lum Jt, Ant Appr A Col, Perc Approach
0RGA3Z1	Fusion Of T-Lum Jt, Post Appr P Col, Perc Approach
0RGA3ZJ	Fusion Of T-Lum Jt, Post Appr A Col, Perc Approach
0RGA470	Fusion T-Lum Jt W Autol Sub, Ant Appr A Col, Perc Endo
0RGA471	Fusion T-Lum Jt W Autol Sub, Post Appr P Col, Perc Endo

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
ORGA47J	Fusion T-Lum Jt W Autol Sub, Post Appr A Col, Perc Endo
ORGA4A0	Fusion T-Lum Jt W Intbd Fus Dev, Ant Appr A Col, Perc Endo
ORGA4A1	Fusion T-Lum Jt W Intbd Fus Dev, Post Appr P Col, Perc Endo
ORGA4AJ	Fusion T-Lum Jt W Intbd Fus Dev, Post Appr A Col, Perc Endo
ORGA4J0	Fusion T-Lum Jt W Synth Sub, Ant Appr A Col, Perc Endo
ORGA4J1	Fusion T-Lum Jt W Synth Sub, Post Appr P Col, Perc Endo
ORGA4JJ	Fusion T-Lum Jt W Synth Sub, Post Appr A Col, Perc Endo
ORGA4K0	Fusion T-Lum Jt W Nonaut Sub, Ant Appr A Col, Perc Endo
ORGA4K1	Fusion T-Lum Jt W Nonaut Sub, Post Appr P Col, Perc Endo
ORGA4KJ	Fusion T-Lum Jt W Nonaut Sub, Post Appr A Col, Perc Endo
ORGA4Z0	Fusion Of T-Lum Jt, Ant Appr A Col, Perc Endo Approach
ORGA4Z1	Fusion Of T-Lum Jt, Post Appr P Col, Perc Endo Approach
ORGA4ZJ	Fusion Of T-Lum Jt, Post Appr A Col, Perc Endo Approach
ORHA03Z	Insertion Of Infusion Device Into T-Lum Jt, Open Approach
ORHA04Z	Insertion Of Int Fix Into T-Lum Jt, Open Approach
ORHA08Z	Insertion Of Spacer Into T-Lum Jt, Open Approach
ORHA0BZ	Insert Intspin Prcs Stabl Dev In T-Lum Jt, Open
ORHA0CZ	Insertion Of Pedcl Stabl Dev Into T-Lum Jt, Open Approach
ORHA0DZ	Insertion Of Facet Stabl Dev Into T-Lum Jt, Open Approach
ORHA33Z	Insertion Of Infusion Device Into T-Lum Jt, Perc Approach
ORHA34Z	Insertion Of Int Fix Into T-Lum Jt, Perc Approach
ORHA38Z	Insertion Of Spacer Into T-Lum Jt, Perc Approach
ORHA3BZ	Insert Intspin Prcs Stabl Dev In T-Lum Jt, Perc
ORHA3CZ	Insertion Of Pedcl Stabl Dev Into T-Lum Jt, Perc Approach
ORHA3DZ	Insertion Of Facet Stabl Dev Into T-Lum Jt, Perc Approach
ORHA43Z	Insertion Of Infusion Dev Into T-Lum Jt, Perc Endo Approach
ORHA44Z	Insertion Of Int Fix Into T-Lum Jt, Perc Endo Approach
ORHA48Z	Insertion Of Spacer Into T-Lum Jt, Perc Endo Approach
ORHA4BZ	Insert Intspin Prcs Stabl Dev In T-Lum Jt, Perc Endo
ORHA4CZ	Insert Of Pedcl Stabl Dev Into T-Lum Jt, Perc Endo Approach
ORHA4DZ	Insert Of Facet Stabl Dev Into T-Lum Jt, Perc Endo Approach
ORHB03Z	Insertion Of Infusion Device Into T-Lum Disc, Open Approach
ORHB33Z	Insertion Of Infusion Device Into T-Lum Disc, Perc Approach
ORHB43Z	Insert Of Infusion Dev Into T-Lum Disc, Perc Endo Approach
ORJA0ZZ	Inspection Of Thoracolumbar Vertebral Joint, Open Approach
ORJA3ZZ	Inspection Of Thoracolumbar Vertebral Joint, Perc Approach
ORJA4ZZ	Inspection Of T-Lum Jt, Perc Endo Approach
ORJB0ZZ	Inspection Of Thoracolumbar Vertebral Disc, Open Approach
ORJB3ZZ	Inspection Of Thoracolumbar Vertebral Disc, Perc Approach
ORJB4ZZ	Inspection Of T-Lum Disc, Perc Endo Approach
ORNA0ZZ	Release Thoracolumbar Vertebral Joint, Open Approach
ORNA3ZZ	Release Thoracolumbar Vertebral Joint, Percutaneous Approach
ORNA4ZZ	Release Thoracolumbar Vertebral Joint, Perc Endo Approach
ORNB0ZZ	Release Thoracolumbar Vertebral Disc, Open Approach
ORNB3ZZ	Release Thoracolumbar Vertebral Disc, Percutaneous Approach
ORNB4ZZ	Release Thoracolumbar Vertebral Disc, Perc Endo Approach
ORPA00Z	Removal Of Drainage Device From T-Lum Jt, Open Approach
ORPA03Z	Removal Of Infusion Device From T-Lum Jt, Open Approach
ORPA04Z	Removal Of Int Fix From T-Lum Jt, Open Approach
ORPA07Z	Removal Of Autol Sub From T-Lum Jt, Open Approach
ORPA08Z	Removal Of Spacer From T-Lum Jt, Open Approach
ORPA0AZ	Removal Of Intbd Fus Dev From T-Lum Jt, Open Approach
ORPA0JZ	Removal Of Synthetic Substitute From T-Lum Jt, Open Approach
ORPA0KZ	Removal Of Nonaut Sub From T-Lum Jt, Open Approach
ORPA30Z	Removal Of Drainage Device From T-Lum Jt, Perc Approach
ORPA33Z	Removal Of Infusion Device From T-Lum Jt, Perc Approach
ORPA34Z	Removal Of Int Fix From T-Lum Jt, Perc Approach
ORPA37Z	Removal Of Autol Sub From T-Lum Jt, Perc Approach
ORPA38Z	Removal Of Spacer From T-Lum Jt, Perc Approach
ORPA3AZ	Removal Of Intbd Fus Dev From T-Lum Jt, Perc Approach
ORPA3JZ	Removal Of Synthetic Substitute From T-Lum Jt, Perc Approach
ORPA3KZ	Removal Of Nonaut Sub From T-Lum Jt, Perc Approach
ORPA40Z	Removal Of Drainage Device From T-Lum Jt, Perc Endo Approach
ORPA43Z	Removal Of Infusion Device From T-Lum Jt, Perc Endo Approach
ORPA44Z	Removal Of Int Fix From T-Lum Jt, Perc Endo Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
ORPA47Z	Removal Of Autol Sub From T-Lum Jt, Perc Endo Approach
ORPA48Z	Removal Of Spacer From T-Lum Jt, Perc Endo Approach
ORPA4AZ	Removal Of Intbd Fus Dev From T-Lum Jt, Perc Endo Approach
ORPA4JZ	Removal Of Synth Sub From T-Lum Jt, Perc Endo Approach
ORPA4KZ	Removal Of Nonaut Sub From T-Lum Jt, Perc Endo Approach
ORPB00Z	Removal Of Drainage Device From T-Lum Disc, Open Approach
ORPB03Z	Removal Of Infusion Device From T-Lum Disc, Open Approach
ORPB07Z	Removal Of Autol Sub From T-Lum Disc, Open Approach
ORPB0JZ	Removal Of Synth Sub From T-Lum Disc, Open Approach
ORPB0KZ	Removal Of Nonaut Sub From T-Lum Disc, Open Approach
ORPB30Z	Removal Of Drainage Device From T-Lum Disc, Perc Approach
ORPB33Z	Removal Of Infusion Device From T-Lum Disc, Perc Approach
ORPB37Z	Removal Of Autol Sub From T-Lum Disc, Perc Approach
ORPB3JZ	Removal Of Synth Sub From T-Lum Disc, Perc Approach
ORPB3KZ	Removal Of Nonaut Sub From T-Lum Disc, Perc Approach
ORPB40Z	Removal Of Drain Dev From T-Lum Disc, Perc Endo Approach
ORPB43Z	Removal Of Infusion Dev From T-Lum Disc, Perc Endo Approach
ORPB47Z	Removal Of Autol Sub From T-Lum Disc, Perc Endo Approach
ORPB4JZ	Removal Of Synth Sub From T-Lum Disc, Perc Endo Approach
ORPB4KZ	Removal Of Nonaut Sub From T-Lum Disc, Perc Endo Approach
ORQA0ZZ	Repair Thoracolumbar Vertebral Joint, Open Approach
ORQA3ZZ	Repair Thoracolumbar Vertebral Joint, Percutaneous Approach
ORQA4ZZ	Repair Thoracolumbar Vertebral Joint, Perc Endo Approach
ORQB0ZZ	Repair Thoracolumbar Vertebral Disc, Open Approach
ORQB3ZZ	Repair Thoracolumbar Vertebral Disc, Percutaneous Approach
ORQB4ZZ	Repair Thoracolumbar Vertebral Disc, Perc Endo Approach
ORRA07Z	Replacement Of T-Lum Jt With Autol Sub, Open Approach
ORRA0JZ	Replacement Of T-Lum Jt With Synth Sub, Open Approach
ORRA0KZ	Replacement Of T-Lum Jt With Nonaut Sub, Open Approach
ORRB07Z	Replacement Of T-Lum Disc With Autol Sub, Open Approach
ORRB0JZ	Replacement Of T-Lum Disc With Synth Sub, Open Approach
ORRB0KZ	Replacement Of T-Lum Disc With Nonaut Sub, Open Approach
ORSA04Z	Reposition T-Lum Jt With Int Fix, Open Approach
ORSA0ZZ	Reposition Thoracolumbar Vertebral Joint, Open Approach
ORSA34Z	Reposition T-Lum Jt With Int Fix, Perc Approach
ORSA3ZZ	Reposition Thoracolumbar Vertebral Joint, Perc Approach
ORSA44Z	Reposition T-Lum Jt With Int Fix, Perc Endo Approach
ORSA4ZZ	Reposition Thoracolumbar Vertebral Joint, Perc Endo Approach
ORTB0ZZ	Resection Of Thoracolumbar Vertebral Disc, Open Approach
ORUA07Z	Supplement T-Lum Jt With Autol Sub, Open Approach
ORUA0JZ	Supplement T-Lum Jt With Synth Sub, Open Approach
ORUA0KZ	Supplement T-Lum Jt With Nonaut Sub, Open Approach
ORUA37Z	Supplement T-Lum Jt With Autol Sub, Perc Approach
ORUA3JZ	Supplement T-Lum Jt With Synth Sub, Perc Approach
ORUA3KZ	Supplement T-Lum Jt With Nonaut Sub, Perc Approach
ORUA47Z	Supplement T-Lum Jt With Autol Sub, Perc Endo Approach
ORUA4JZ	Supplement T-Lum Jt With Synth Sub, Perc Endo Approach
ORUA4KZ	Supplement T-Lum Jt With Nonaut Sub, Perc Endo Approach
ORUB07Z	Supplement T-Lum Disc With Autol Sub, Open Approach
ORUB0JZ	Supplement T-Lum Disc With Synth Sub, Open Approach
ORUB0KZ	Supplement T-Lum Disc With Nonaut Sub, Open Approach
ORUB37Z	Supplement T-Lum Disc With Autol Sub, Perc Approach
ORUB3JZ	Supplement T-Lum Disc With Synth Sub, Perc Approach
ORUB3KZ	Supplement T-Lum Disc With Nonaut Sub, Perc Approach
ORUB47Z	Supplement T-Lum Disc With Autol Sub, Perc Endo Approach
ORUB4JZ	Supplement T-Lum Disc With Synth Sub, Perc Endo Approach
ORUB4KZ	Supplement T-Lum Disc With Nonaut Sub, Perc Endo Approach
ORWA00Z	Revision Of Drainage Device In T-Lum Jt, Open Approach
ORWA03Z	Revision Of Infusion Device In T-Lum Jt, Open Approach
ORWA04Z	Revision Of Int Fix In T-Lum Jt, Open Approach
ORWA07Z	Revision Of Autol Sub In T-Lum Jt, Open Approach
ORWA08Z	Revision Of Spacer In T-Lum Jt, Open Approach
ORWA0AZ	Revision Of Intbd Fus Dev In T-Lum Jt, Open Approach
ORWA0JZ	Revision Of Synthetic Substitute In T-Lum Jt, Open Approach
ORWA0KZ	Revision Of Nonaut Sub In T-Lum Jt, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0RWA30Z	Revision Of Drainage Device In T-Lum Jt, Perc Approach
0RWA33Z	Revision Of Infusion Device In T-Lum Jt, Perc Approach
0RWA34Z	Revision Of Int Fix In T-Lum Jt, Perc Approach
0RWA37Z	Revision Of Autol Sub In T-Lum Jt, Perc Approach
0RWA38Z	Revision Of Spacer In T-Lum Jt, Perc Approach
0RWA3AZ	Revision Of Intbd Fus Dev In T-Lum Jt, Perc Approach
0RWA3JZ	Revision Of Synthetic Substitute In T-Lum Jt, Perc Approach
0RWA3KZ	Revision Of Nonaut Sub In T-Lum Jt, Perc Approach
0RWA40Z	Revision Of Drainage Device In T-Lum Jt, Perc Endo Approach
0RWA43Z	Revision Of Infusion Device In T-Lum Jt, Perc Endo Approach
0RWA44Z	Revision Of Int Fix In T-Lum Jt, Perc Endo Approach
0RWA47Z	Revision Of Autol Sub In T-Lum Jt, Perc Endo Approach
0RWA48Z	Revision Of Spacer In T-Lum Jt, Perc Endo Approach
0RWA4AZ	Revision Of Intbd Fus Dev In T-Lum Jt, Perc Endo Approach
0RWA4JZ	Revision Of Synth Sub In T-Lum Jt, Perc Endo Approach
0RWA4KZ	Revision Of Nonaut Sub In T-Lum Jt, Perc Endo Approach
0RWB00Z	Revision Of Drainage Device In T-Lum Disc, Open Approach
0RWB03Z	Revision Of Infusion Device In T-Lum Disc, Open Approach
0RWB07Z	Revision Of Autol Sub In T-Lum Disc, Open Approach
0RWB0JZ	Revision Of Synth Sub In T-Lum Disc, Open Approach
0RWB0KZ	Revision Of Nonaut Sub In T-Lum Disc, Open Approach
0RWB30Z	Revision Of Drainage Device In T-Lum Disc, Perc Approach
0RWB33Z	Revision Of Infusion Device In T-Lum Disc, Perc Approach
0RWB37Z	Revision Of Autol Sub In T-Lum Disc, Perc Approach
0RWB3JZ	Revision Of Synth Sub In T-Lum Disc, Perc Approach
0RWB3KZ	Revision Of Nonaut Sub In T-Lum Disc, Perc Approach
0RWB40Z	Revision Of Drain Dev In T-Lum Disc, Perc Endo Approach
0RWB43Z	Revision Of Infusion Dev In T-Lum Disc, Perc Endo Approach
0RWB47Z	Revision Of Autol Sub In T-Lum Disc, Perc Endo Approach
0RWB4JZ	Revision Of Synth Sub In T-Lum Disc, Perc Endo Approach
0RWB4KZ	Revision Of Nonaut Sub In T-Lum Disc, Perc Endo Approach
0S500ZZ	Destruction Of Lumbar Vertebral Joint, Open Approach
0S503ZZ	Destruction Of Lumbar Vertebral Joint, Percutaneous Approach
0S504ZZ	Destruction Of Lumbar Vertebral Joint, Perc Endo Approach
0S520ZZ	Destruction Of Lumbar Vertebral Disc, Open Approach
0S523ZZ	Destruction Of Lumbar Vertebral Disc, Percutaneous Approach
0S524ZZ	Destruction Of Lumbar Vertebral Disc, Perc Endo Approach
0S530ZZ	Destruction Of Lumbosacral Joint, Open Approach
0S533ZZ	Destruction Of Lumbosacral Joint, Percutaneous Approach
0S534ZZ	Destruction Of Lumbosacral Joint, Perc Endo Approach
0S540ZZ	Destruction Of Lumbosacral Disc, Open Approach
0S543ZZ	Destruction Of Lumbosacral Disc, Percutaneous Approach
0S544ZZ	Destruction Of Lumbosacral Disc, Perc Endo Approach
0S9000Z	Drainage Of Lum Jt With Drain Dev, Open Approach
0S900ZX	Drainage Of Lumbar Vertebral Joint, Open Approach, Diagn
0S900ZZ	Drainage Of Lumbar Vertebral Joint, Open Approach
0S9030Z	Drainage Of Lum Jt With Drain Dev, Perc Approach
0S903ZX	Drainage Of Lumbar Vertebral Joint, Perc Approach, Diagn
0S903ZZ	Drainage Of Lumbar Vertebral Joint, Percutaneous Approach
0S9040Z	Drainage Of Lum Jt With Drain Dev, Perc Endo Approach
0S904ZX	Drainage Of Lum Jt, Perc Endo Approach, Diagn
0S904ZZ	Drainage Of Lumbar Vertebral Joint, Perc Endo Approach
0S9200Z	Drainage Of Lum Disc With Drain Dev, Open Approach
0S920ZX	Drainage Of Lumbar Vertebral Disc, Open Approach, Diagnostic
0S920ZZ	Drainage Of Lumbar Vertebral Disc, Open Approach
0S9230Z	Drainage Of Lum Disc With Drain Dev, Perc Approach
0S923ZX	Drainage Of Lumbar Vertebral Disc, Perc Approach, Diagn
0S923ZZ	Drainage Of Lumbar Vertebral Disc, Percutaneous Approach
0S9240Z	Drainage Of Lum Disc With Drain Dev, Perc Endo Approach
0S924ZX	Drainage Of Lumbar Vertebral Disc, Perc Endo Approach, Diagn
0S924ZZ	Drainage Of Lumbar Vertebral Disc, Perc Endo Approach
0S9300Z	Drainage Of Lumbosacral Joint With Drain Dev, Open Approach
0S930ZX	Drainage Of Lumbosacral Joint, Open Approach, Diagnostic
0S930ZZ	Drainage Of Lumbosacral Joint, Open Approach
0S9330Z	Drainage Of Lumbosacral Joint With Drain Dev, Perc Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0S933ZX	Drainage Of Lumbosacral Joint, Percutaneous Approach, Diagn
0S933ZZ	Drainage Of Lumbosacral Joint, Percutaneous Approach
0S9340Z	Drainage Of Lumsac Jt With Drain Dev, Perc Endo Approach
0S934ZX	Drainage Of Lumbosacral Joint, Perc Endo Approach, Diagn
0S934ZZ	Drainage Of Lumbosacral Joint, Perc Endo Approach
0S9400Z	Drainage Of Lumbosacral Disc With Drain Dev, Open Approach
0S940ZX	Drainage Of Lumbosacral Disc, Open Approach, Diagnostic
0S940ZZ	Drainage Of Lumbosacral Disc, Open Approach
0S9430Z	Drainage Of Lumbosacral Disc With Drain Dev, Perc Approach
0S943ZX	Drainage Of Lumbosacral Disc, Percutaneous Approach, Diagn
0S943ZZ	Drainage Of Lumbosacral Disc, Percutaneous Approach
0S9440Z	Drainage Of Lumsac Disc With Drain Dev, Perc Endo Approach
0S944ZX	Drainage Of Lumbosacral Disc, Perc Endo Approach, Diagn
0S944ZZ	Drainage Of Lumbosacral Disc, Perc Endo Approach
0SB00ZX	Excision Of Lumbar Vertebral Joint, Open Approach, Diagn
0SB00ZZ	Excision Of Lumbar Vertebral Joint, Open Approach
0SB03ZX	Excision Of Lumbar Vertebral Joint, Perc Approach, Diagn
0SB03ZZ	Excision Of Lumbar Vertebral Joint, Percutaneous Approach
0SB04ZX	Excision Of Lum Jt, Perc Endo Approach, Diagn
0SB04ZZ	Excision Of Lumbar Vertebral Joint, Perc Endo Approach
0SB20ZX	Excision Of Lumbar Vertebral Disc, Open Approach, Diagnostic
0SB20ZZ	Excision Of Lumbar Vertebral Disc, Open Approach
0SB23ZX	Excision Of Lumbar Vertebral Disc, Perc Approach, Diagn
0SB23ZZ	Excision Of Lumbar Vertebral Disc, Percutaneous Approach
0SB24ZX	Excision Of Lumbar Vertebral Disc, Perc Endo Approach, Diagn
0SB24ZZ	Excision Of Lumbar Vertebral Disc, Perc Endo Approach
0SB30ZX	Excision Of Lumbosacral Joint, Open Approach, Diagnostic
0SB30ZZ	Excision Of Lumbosacral Joint, Open Approach
0SB33ZX	Excision Of Lumbosacral Joint, Percutaneous Approach, Diagn
0SB33ZZ	Excision Of Lumbosacral Joint, Percutaneous Approach
0SB34ZX	Excision Of Lumbosacral Joint, Perc Endo Approach, Diagn
0SB34ZZ	Excision Of Lumbosacral Joint, Perc Endo Approach
0SB40ZX	Excision Of Lumbosacral Disc, Open Approach, Diagnostic
0SB40ZZ	Excision Of Lumbosacral Disc, Open Approach
0SB43ZX	Excision Of Lumbosacral Disc, Percutaneous Approach, Diagn
0SB43ZZ	Excision Of Lumbosacral Disc, Percutaneous Approach
0SB44ZX	Excision Of Lumbosacral Disc, Perc Endo Approach, Diagn
0SB44ZZ	Excision Of Lumbosacral Disc, Perc Endo Approach
0SC00ZZ	Extirpation Of Matter From Lum Jt, Open Approach
0SC03ZZ	Extirpation Of Matter From Lum Jt, Perc Approach
0SC04ZZ	Extirpation Of Matter From Lum Jt, Perc Endo Approach
0SC20ZZ	Extirpation Of Matter From Lum Disc, Open Approach
0SC23ZZ	Extirpation Of Matter From Lum Disc, Perc Approach
0SC24ZZ	Extirpation Of Matter From Lum Disc, Perc Endo Approach
0SC30ZZ	Extirpation Of Matter From Lumbosacral Joint, Open Approach
0SC33ZZ	Extirpation Of Matter From Lumbosacral Joint, Perc Approach
0SC34ZZ	Extirpation Of Matter From Lumsac Jt, Perc Endo Approach
0SC40ZZ	Extirpation Of Matter From Lumbosacral Disc, Open Approach
0SC43ZZ	Extirpation Of Matter From Lumbosacral Disc, Perc Approach
0SC44ZZ	Extirpation Of Matter From Lumsac Disc, Perc Endo Approach
0SG0070	Fusion Lum Jt W Autol Sub, Ant Appr A Col, Open
0SG0071	Fusion Lum Jt W Autol Sub, Post Appr P Col, Open
0SG007J	Fusion Lum Jt W Autol Sub, Post Appr A Col, Open
0SG00A0	Fusion Lum Jt W Intbd Fus Dev, Ant Appr A Col, Open
0SG00A1	Fusion Lum Jt W Intbd Fus Dev, Post Appr P Col, Open
0SG00AJ	Fusion Lum Jt W Intbd Fus Dev, Post Appr A Col, Open
0SG00J0	Fusion Lum Jt W Synth Sub, Ant Appr A Col, Open
0SG00J1	Fusion Lum Jt W Synth Sub, Post Appr P Col, Open
0SG00JJ	Fusion Lum Jt W Synth Sub, Post Appr A Col, Open
0SG00K0	Fusion Lum Jt W Nonaut Sub, Ant Appr A Col, Open
0SG00K1	Fusion Lum Jt W Nonaut Sub, Post Appr P Col, Open
0SG00KJ	Fusion Lum Jt W Nonaut Sub, Post Appr A Col, Open
0SG00Z0	Fusion Of Lum Jt, Ant Appr A Col, Open Approach
0SG00Z1	Fusion Of Lum Jt, Post Appr P Col, Open Approach
0SG00ZJ	Fusion Of Lum Jt, Post Appr A Col, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SG0370	Fusion Lum Jt W Autol Sub, Ant Appr A Col, Perc
0SG0371	Fusion Lum Jt W Autol Sub, Post Appr P Col, Perc
0SG037J	Fusion Lum Jt W Autol Sub, Post Appr A Col, Perc
0SG03A0	Fusion Lum Jt W Intbd Fus Dev, Ant Appr A Col, Perc
0SG03A1	Fusion Lum Jt W Intbd Fus Dev, Post Appr P Col, Perc
0SG03AJ	Fusion Lum Jt W Intbd Fus Dev, Post Appr A Col, Perc
0SG03J0	Fusion Lum Jt W Synth Sub, Ant Appr A Col, Perc
0SG03J1	Fusion Lum Jt W Synth Sub, Post Appr P Col, Perc
0SG03JJ	Fusion Lum Jt W Synth Sub, Post Appr A Col, Perc
0SG03K0	Fusion Lum Jt W Nonaut Sub, Ant Appr A Col, Perc
0SG03K1	Fusion Lum Jt W Nonaut Sub, Post Appr P Col, Perc
0SG03KJ	Fusion Lum Jt W Nonaut Sub, Post Appr A Col, Perc
0SG03Z0	Fusion Of Lum Jt, Ant Appr A Col, Perc Approach
0SG03Z1	Fusion Of Lum Jt, Post Appr P Col, Perc Approach
0SG03ZJ	Fusion Of Lum Jt, Post Appr A Col, Perc Approach
0SG0470	Fusion Lum Jt W Autol Sub, Ant Appr A Col, Perc Endo
0SG0471	Fusion Lum Jt W Autol Sub, Post Appr P Col, Perc Endo
0SG047J	Fusion Lum Jt W Autol Sub, Post Appr A Col, Perc Endo
0SG04A0	Fusion Lum Jt W Intbd Fus Dev, Ant Appr A Col, Perc Endo
0SG04A1	Fusion Lum Jt W Intbd Fus Dev, Post Appr P Col, Perc Endo
0SG04AJ	Fusion Lum Jt W Intbd Fus Dev, Post Appr A Col, Perc Endo
0SG04J0	Fusion Lum Jt W Synth Sub, Ant Appr A Col, Perc Endo
0SG04J1	Fusion Lum Jt W Synth Sub, Post Appr P Col, Perc Endo
0SG04JJ	Fusion Lum Jt W Synth Sub, Post Appr A Col, Perc Endo
0SG04K0	Fusion Lum Jt W Nonaut Sub, Ant Appr A Col, Perc Endo
0SG04K1	Fusion Lum Jt W Nonaut Sub, Post Appr P Col, Perc Endo
0SG04KJ	Fusion Lum Jt W Nonaut Sub, Post Appr A Col, Perc Endo
0SG04Z0	Fusion Of Lum Jt, Ant Appr A Col, Perc Endo Approach
0SG04Z1	Fusion Of Lum Jt, Post Appr P Col, Perc Endo Approach
0SG04ZJ	Fusion Of Lum Jt, Post Appr A Col, Perc Endo Approach
0SG1070	Fusion 2-4 L Jt W Autol Sub, Ant Appr A Col, Open
0SG1071	Fusion 2-4 L Jt W Autol Sub, Post Appr P Col, Open
0SG107J	Fusion 2-4 L Jt W Autol Sub, Post Appr A Col, Open
0SG10A0	Fusion 2-4 L Jt W Intbd Fus Dev, Ant Appr A Col, Open
0SG10A1	Fusion 2-4 L Jt W Intbd Fus Dev, Post Appr P Col, Open
0SG10AJ	Fusion 2-4 L Jt W Intbd Fus Dev, Post Appr A Col, Open
0SG10J0	Fusion 2-4 L Jt W Synth Sub, Ant Appr A Col, Open
0SG10J1	Fusion 2-4 L Jt W Synth Sub, Post Appr P Col, Open
0SG10JJ	Fusion 2-4 L Jt W Synth Sub, Post Appr A Col, Open
0SG10K0	Fusion 2-4 L Jt W Nonaut Sub, Ant Appr A Col, Open
0SG10K1	Fusion 2-4 L Jt W Nonaut Sub, Post Appr P Col, Open
0SG10KJ	Fusion 2-4 L Jt W Nonaut Sub, Post Appr A Col, Open
0SG10Z0	Fusion Of 2-4 L Jt, Ant Appr A Col, Open Approach
0SG10Z1	Fusion Of 2-4 L Jt, Post Appr P Col, Open Approach
0SG10ZJ	Fusion Of 2-4 L Jt, Post Appr A Col, Open Approach
0SG1370	Fusion 2-4 L Jt W Autol Sub, Ant Appr A Col, Perc
0SG1371	Fusion 2-4 L Jt W Autol Sub, Post Appr P Col, Perc
0SG137J	Fusion 2-4 L Jt W Autol Sub, Post Appr A Col, Perc
0SG13A0	Fusion 2-4 L Jt W Intbd Fus Dev, Ant Appr A Col, Perc
0SG13A1	Fusion 2-4 L Jt W Intbd Fus Dev, Post Appr P Col, Perc
0SG13AJ	Fusion 2-4 L Jt W Intbd Fus Dev, Post Appr A Col, Perc
0SG13J0	Fusion 2-4 L Jt W Synth Sub, Ant Appr A Col, Perc
0SG13J1	Fusion 2-4 L Jt W Synth Sub, Post Appr P Col, Perc
0SG13JJ	Fusion 2-4 L Jt W Synth Sub, Post Appr A Col, Perc
0SG13K0	Fusion 2-4 L Jt W Nonaut Sub, Ant Appr A Col, Perc
0SG13K1	Fusion 2-4 L Jt W Nonaut Sub, Post Appr P Col, Perc
0SG13KJ	Fusion 2-4 L Jt W Nonaut Sub, Post Appr A Col, Perc
0SG13Z0	Fusion Of 2-4 L Jt, Ant Appr A Col, Perc Approach
0SG13Z1	Fusion Of 2-4 L Jt, Post Appr P Col, Perc Approach
0SG13ZJ	Fusion Of 2-4 L Jt, Post Appr A Col, Perc Approach
0SG1470	Fusion 2-4 L Jt W Autol Sub, Ant Appr A Col, Perc Endo
0SG1471	Fusion 2-4 L Jt W Autol Sub, Post Appr P Col, Perc Endo
0SG147J	Fusion 2-4 L Jt W Autol Sub, Post Appr A Col, Perc Endo
0SG14A0	Fusion 2-4 L Jt W Intbd Fus Dev, Ant Appr A Col, Perc Endo
0SG14A1	Fusion 2-4 L Jt W Intbd Fus Dev, Post Appr P Col, Perc Endo



## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SG14AJ	Fusion 2-4 L Jt W Intbd Fus Dev, Post Appr A Col, Perc Endo
0SG14J0	Fusion 2-4 L Jt W Synth Sub, Ant Appr A Col, Perc Endo
0SG14J1	Fusion 2-4 L Jt W Synth Sub, Post Appr P Col, Perc Endo
0SG14JJ	Fusion 2-4 L Jt W Synth Sub, Post Appr A Col, Perc Endo
0SG14K0	Fusion 2-4 L Jt W Nonaut Sub, Ant Appr A Col, Perc Endo
0SG14K1	Fusion 2-4 L Jt W Nonaut Sub, Post Appr P Col, Perc Endo
0SG14KJ	Fusion 2-4 L Jt W Nonaut Sub, Post Appr A Col, Perc Endo
0SG14Z0	Fusion Of 2-4 L Jt, Ant Appr A Col, Perc Endo Approach
0SG14Z1	Fusion Of 2-4 L Jt, Post Appr P Col, Perc Endo Approach
0SG14ZJ	Fusion Of 2-4 L Jt, Post Appr A Col, Perc Endo Approach
0SG3070	Fusion Lumsac Jt W Autol Sub, Ant Appr A Col, Open
0SG3071	Fusion Lumsac Jt W Autol Sub, Post Appr P Col, Open
0SG307J	Fusion Lumsac Jt W Autol Sub, Post Appr A Col, Open
0SG30A0	Fusion Lumsac Jt W Intbd Fus Dev, Ant Appr A Col, Open
0SG30A1	Fusion Lumsac Jt W Intbd Fus Dev, Post Appr P Col, Open
0SG30AJ	Fusion Lumsac Jt W Intbd Fus Dev, Post Appr A Col, Open
0SG30J0	Fusion Lumsac Jt W Synth Sub, Ant Appr A Col, Open
0SG30J1	Fusion Lumsac Jt W Synth Sub, Post Appr P Col, Open
0SG30JJ	Fusion Lumsac Jt W Synth Sub, Post Appr A Col, Open
0SG30K0	Fusion Lumsac Jt W Nonaut Sub, Ant Appr A Col, Open
0SG30K1	Fusion Lumsac Jt W Nonaut Sub, Post Appr P Col, Open
0SG30KJ	Fusion Lumsac Jt W Nonaut Sub, Post Appr A Col, Open
0SG30Z0	Fusion Of Lumbosacral Joint, Ant Appr A Col, Open Approach
0SG30Z1	Fusion Of Lumbosacral Joint, Post Appr P Col, Open Approach
0SG30ZJ	Fusion Of Lumbosacral Joint, Post Appr A Col, Open Approach
0SG3370	Fusion Lumsac Jt W Autol Sub, Ant Appr A Col, Perc
0SG3371	Fusion Lumsac Jt W Autol Sub, Post Appr P Col, Perc
0SG337J	Fusion Lumsac Jt W Autol Sub, Post Appr A Col, Perc
0SG33A0	Fusion Lumsac Jt W Intbd Fus Dev, Ant Appr A Col, Perc
0SG33A1	Fusion Lumsac Jt W Intbd Fus Dev, Post Appr P Col, Perc
0SG33AJ	Fusion Lumsac Jt W Intbd Fus Dev, Post Appr A Col, Perc
0SG33J0	Fusion Lumsac Jt W Synth Sub, Ant Appr A Col, Perc
0SG33J1	Fusion Lumsac Jt W Synth Sub, Post Appr P Col, Perc
0SG33JJ	Fusion Lumsac Jt W Synth Sub, Post Appr A Col, Perc
0SG33K0	Fusion Lumsac Jt W Nonaut Sub, Ant Appr A Col, Perc
0SG33K1	Fusion Lumsac Jt W Nonaut Sub, Post Appr P Col, Perc
0SG33KJ	Fusion Lumsac Jt W Nonaut Sub, Post Appr A Col, Perc
0SG33Z0	Fusion Of Lumbosacral Joint, Ant Appr A Col, Perc Approach
0SG33Z1	Fusion Of Lumbosacral Joint, Post Appr P Col, Perc Approach
0SG33ZJ	Fusion Of Lumbosacral Joint, Post Appr A Col, Perc Approach
0SG3470	Fusion Lumsac Jt W Autol Sub, Ant Appr A Col, Perc Endo
0SG3471	Fusion Lumsac Jt W Autol Sub, Post Appr P Col, Perc Endo
0SG347J	Fusion Lumsac Jt W Autol Sub, Post Appr A Col, Perc Endo
0SG34A0	Fusion Lumsac Jt W Intbd Fus Dev, Ant Appr A Col, Perc Endo
0SG34A1	Fusion Lumsac Jt W Intbd Fus Dev, Post Appr P Col, Perc Endo
0SG34AJ	Fusion Lumsac Jt W Intbd Fus Dev, Post Appr A Col, Perc Endo
0SG34J0	Fusion Lumsac Jt W Synth Sub, Ant Appr A Col, Perc Endo
0SG34J1	Fusion Lumsac Jt W Synth Sub, Post Appr P Col, Perc Endo
0SG34JJ	Fusion Lumsac Jt W Synth Sub, Post Appr A Col, Perc Endo
0SG34K0	Fusion Lumsac Jt W Nonaut Sub, Ant Appr A Col, Perc Endo
0SG34K1	Fusion Lumsac Jt W Nonaut Sub, Post Appr P Col, Perc Endo
0SG34KJ	Fusion Lumsac Jt W Nonaut Sub, Post Appr A Col, Perc Endo
0SG34Z0	Fusion Of Lumsac Jt, Ant Appr A Col, Perc Endo Approach
0SG34Z1	Fusion Of Lumsac Jt, Post Appr P Col, Perc Endo Approach
0SG34ZJ	Fusion Of Lumsac Jt, Post Appr A Col, Perc Endo Approach
0SH003Z	Insertion Of Infusion Device Into Lum Jt, Open Approach
0SH004Z	Insertion Of Int Fix Into Lum Jt, Open Approach
0SH008Z	Insertion Of Spacer Into Lum Jt, Open Approach
0SH00BZ	Insert Of Intspin Prcs Stabl Dev Into Lum Jt, Open Approach
0SH00CZ	Insertion Of Pedcl Stabl Dev Into Lum Jt, Open Approach
0SH00DZ	Insertion Of Facet Stabl Dev Into Lum Jt, Open Approach
0SH033Z	Insertion Of Infusion Device Into Lum Jt, Perc Approach
0SH034Z	Insertion Of Int Fix Into Lum Jt, Perc Approach
0SH038Z	Insertion Of Spacer Into Lum Jt, Perc Approach
0SH03BZ	Insert Of Intspin Prcs Stabl Dev Into Lum Jt, Perc Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SH03CZ	Insertion Of Pedcl Stabl Dev Into Lum Jt, Perc Approach
0SH03DZ	Insertion Of Facet Stabl Dev Into Lum Jt, Perc Approach
0SH043Z	Insertion Of Infusion Device Into Lum Jt, Perc Endo Approach
0SH044Z	Insertion Of Int Fix Into Lum Jt, Perc Endo Approach
0SH048Z	Insertion Of Spacer Into Lum Jt, Perc Endo Approach
0SH04BZ	Insert Intspin Prcs Stabl Dev In Lum Jt, Perc Endo
0SH04CZ	Insertion Of Pedcl Stabl Dev Into Lum Jt, Perc Endo Approach
0SH04DZ	Insertion Of Facet Stabl Dev Into Lum Jt, Perc Endo Approach
0SH203Z	Insertion Of Infusion Device Into Lum Disc, Open Approach
0SH208Z	Insertion Of Spacer Into Lum Disc, Open Approach
0SH233Z	Insertion Of Infusion Device Into Lum Disc, Perc Approach
0SH238Z	Insertion Of Spacer Into Lum Disc, Perc Approach
0SH243Z	Insertion Of Infusion Dev Into Lum Disc, Perc Endo Approach
0SH248Z	Insertion Of Spacer Into Lum Disc, Perc Endo Approach
0SH303Z	Insertion Of Infusion Device Into Lumsac Jt, Open Approach
0SH304Z	Insertion Of Int Fix Into Lumsac Jt, Open Approach
0SH308Z	Insertion Of Spacer Into Lumbosacral Joint, Open Approach
0SH30BZ	Insert Intspin Prcs Stabl Dev In Lumsac Jt, Open
0SH30CZ	Insertion Of Pedcl Stabl Dev Into Lumsac Jt, Open Approach
0SH30DZ	Insertion Of Facet Stabl Dev Into Lumsac Jt, Open Approach
0SH333Z	Insertion Of Infusion Device Into Lumsac Jt, Perc Approach
0SH334Z	Insertion Of Int Fix Into Lumsac Jt, Perc Approach
0SH338Z	Insertion Of Spacer Into Lumbosacral Joint, Perc Approach
0SH33BZ	Insert Intspin Prcs Stabl Dev In Lumsac Jt, Perc
0SH33CZ	Insertion Of Pedcl Stabl Dev Into Lumsac Jt, Perc Approach
0SH33DZ	Insertion Of Facet Stabl Dev Into Lumsac Jt, Perc Approach
0SH343Z	Insertion Of Infusion Dev Into Lumsac Jt, Perc Endo Approach
0SH344Z	Insertion Of Int Fix Into Lumsac Jt, Perc Endo Approach
0SH348Z	Insertion Of Spacer Into Lumsac Jt, Perc Endo Approach
0SH34BZ	Insert Intspin Prcs Stabl Dev In Lumsac Jt, Perc Endo
0SH34CZ	Insert Of Pedcl Stabl Dev Into Lumsac Jt, Perc Endo Approach
0SH34DZ	Insert Of Facet Stabl Dev Into Lumsac Jt, Perc Endo Approach
0SH403Z	Insertion Of Infusion Device Into Lumsac Disc, Open Approach
0SH408Z	Insertion Of Spacer Into Lumbosacral Disc, Open Approach
0SH433Z	Insertion Of Infusion Device Into Lumsac Disc, Perc Approach
0SH438Z	Insertion Of Spacer Into Lumbosacral Disc, Perc Approach
0SH443Z	Insert Of Infusion Dev Into Lumsac Disc, Perc Endo Approach
0SH448Z	Insertion Of Spacer Into Lumsac Disc, Perc Endo Approach
0SJ00ZZ	Inspection Of Lumbar Vertebral Joint, Open Approach
0SJ03ZZ	Inspection Of Lumbar Vertebral Joint, Percutaneous Approach
0SJ04ZZ	Inspection Of Lumbar Vertebral Joint, Perc Endo Approach
0SJ20ZZ	Inspection Of Lumbar Vertebral Disc, Open Approach
0SJ23ZZ	Inspection Of Lumbar Vertebral Disc, Percutaneous Approach
0SJ24ZZ	Inspection Of Lumbar Vertebral Disc, Perc Endo Approach
0SJ30ZZ	Inspection Of Lumbosacral Joint, Open Approach
0SJ33ZZ	Inspection Of Lumbosacral Joint, Percutaneous Approach
0SJ34ZZ	Inspection Of Lumbosacral Joint, Perc Endo Approach
0SJ40ZZ	Inspection Of Lumbosacral Disc, Open Approach
0SJ43ZZ	Inspection Of Lumbosacral Disc, Percutaneous Approach
0SJ44ZZ	Inspection Of Lumbosacral Disc, Perc Endo Approach
0SN00ZZ	Release Lumbar Vertebral Joint, Open Approach
0SN03ZZ	Release Lumbar Vertebral Joint, Percutaneous Approach
0SN04ZZ	Release Lumbar Vertebral Joint, Perc Endo Approach
0SN20ZZ	Release Lumbar Vertebral Disc, Open Approach
0SN23ZZ	Release Lumbar Vertebral Disc, Percutaneous Approach
0SN24ZZ	Release Lumbar Vertebral Disc, Perc Endo Approach
0SN30ZZ	Release Lumbosacral Joint, Open Approach
0SN33ZZ	Release Lumbosacral Joint, Percutaneous Approach
0SN34ZZ	Release Lumbosacral Joint, Percutaneous Endoscopic Approach
0SN40ZZ	Release Lumbosacral Disc, Open Approach
0SN43ZZ	Release Lumbosacral Disc, Percutaneous Approach
0SN44ZZ	Release Lumbosacral Disc, Percutaneous Endoscopic Approach
0SP000Z	Removal Of Drainage Device From Lum Jt, Open Approach
0SP003Z	Removal Of Infusion Device From Lum Jt, Open Approach
0SP004Z	Removal Of Int Fix From Lum Jt, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SP007Z	Removal Of Autol Sub From Lum Jt, Open Approach
0SP008Z	Removal Of Spacer From Lumbar Vertebral Joint, Open Approach
0SP00AZ	Removal Of Intbd Fus Dev From Lum Jt, Open Approach
0SP00JZ	Removal Of Synthetic Substitute From Lum Jt, Open Approach
0SP00KZ	Removal Of Nonaut Sub From Lum Jt, Open Approach
0SP030Z	Removal Of Drainage Device From Lum Jt, Perc Approach
0SP033Z	Removal Of Infusion Device From Lum Jt, Perc Approach
0SP034Z	Removal Of Int Fix From Lum Jt, Perc Approach
0SP037Z	Removal Of Autol Sub From Lum Jt, Perc Approach
0SP038Z	Removal Of Spacer From Lumbar Vertebral Joint, Perc Approach
0SP03AZ	Removal Of Intbd Fus Dev From Lum Jt, Perc Approach
0SP03JZ	Removal Of Synthetic Substitute From Lum Jt, Perc Approach
0SP03KZ	Removal Of Nonaut Sub From Lum Jt, Perc Approach
0SP040Z	Removal Of Drainage Device From Lum Jt, Perc Endo Approach
0SP043Z	Removal Of Infusion Device From Lum Jt, Perc Endo Approach
0SP044Z	Removal Of Int Fix From Lum Jt, Perc Endo Approach
0SP047Z	Removal Of Autol Sub From Lum Jt, Perc Endo Approach
0SP048Z	Removal Of Spacer From Lum Jt, Perc Endo Approach
0SP04AZ	Removal Of Intbd Fus Dev From Lum Jt, Perc Endo Approach
0SP04JZ	Removal Of Synth Sub From Lum Jt, Perc Endo Approach
0SP04KZ	Removal Of Nonaut Sub From Lum Jt, Perc Endo Approach
0SP200Z	Removal Of Drainage Device From Lum Disc, Open Approach
0SP203Z	Removal Of Infusion Device From Lum Disc, Open Approach
0SP207Z	Removal Of Autol Sub From Lum Disc, Open Approach
0SP20JZ	Removal Of Synthetic Substitute From Lum Disc, Open Approach
0SP20KZ	Removal Of Nonaut Sub From Lum Disc, Open Approach
0SP230Z	Removal Of Drainage Device From Lum Disc, Perc Approach
0SP233Z	Removal Of Infusion Device From Lum Disc, Perc Approach
0SP237Z	Removal Of Autol Sub From Lum Disc, Perc Approach
0SP23JZ	Removal Of Synthetic Substitute From Lum Disc, Perc Approach
0SP23KZ	Removal Of Nonaut Sub From Lum Disc, Perc Approach
0SP240Z	Removal Of Drainage Device From Lum Disc, Perc Endo Approach
0SP243Z	Removal Of Infusion Device From Lum Disc, Perc Endo Approach
0SP247Z	Removal Of Autol Sub From Lum Disc, Perc Endo Approach
0SP24JZ	Removal Of Synth Sub From Lum Disc, Perc Endo Approach
0SP24KZ	Removal Of Nonaut Sub From Lum Disc, Perc Endo Approach
0SP300Z	Removal Of Drainage Device From Lumsac Jt, Open Approach
0SP303Z	Removal Of Infusion Device From Lumsac Jt, Open Approach
0SP304Z	Removal Of Int Fix From Lumsac Jt, Open Approach
0SP307Z	Removal Of Autol Sub From Lumsac Jt, Open Approach
0SP308Z	Removal Of Spacer From Lumbosacral Joint, Open Approach
0SP30AZ	Removal Of Intbd Fus Dev From Lumsac Jt, Open Approach
0SP30JZ	Removal Of Synth Sub From Lumsac Jt, Open Approach
0SP30KZ	Removal Of Nonaut Sub From Lumsac Jt, Open Approach
0SP330Z	Removal Of Drainage Device From Lumsac Jt, Perc Approach
0SP333Z	Removal Of Infusion Device From Lumsac Jt, Perc Approach
0SP334Z	Removal Of Int Fix From Lumsac Jt, Perc Approach
0SP337Z	Removal Of Autol Sub From Lumsac Jt, Perc Approach
0SP338Z	Removal Of Spacer From Lumbosacral Joint, Perc Approach
0SP33AZ	Removal Of Intbd Fus Dev From Lumsac Jt, Perc Approach
0SP33JZ	Removal Of Synth Sub From Lumsac Jt, Perc Approach
0SP33KZ	Removal Of Nonaut Sub From Lumsac Jt, Perc Approach
0SP340Z	Removal Of Drain Dev From Lumsac Jt, Perc Endo Approach
0SP343Z	Removal Of Infusion Dev From Lumsac Jt, Perc Endo Approach
0SP344Z	Removal Of Int Fix From Lumsac Jt, Perc Endo Approach
0SP347Z	Removal Of Autol Sub From Lumsac Jt, Perc Endo Approach
0SP348Z	Removal Of Spacer From Lumbosacral Joint, Perc Endo Approach
0SP34AZ	Removal Of Intbd Fus Dev From Lumsac Jt, Perc Endo Approach
0SP34JZ	Removal Of Synth Sub From Lumsac Jt, Perc Endo Approach
0SP34KZ	Removal Of Nonaut Sub From Lumsac Jt, Perc Endo Approach
0SP400Z	Removal Of Drainage Device From Lumsac Disc, Open Approach
0SP403Z	Removal Of Infusion Device From Lumsac Disc, Open Approach
0SP407Z	Removal Of Autol Sub From Lumsac Disc, Open Approach
0SP40JZ	Removal Of Synth Sub From Lumsac Disc, Open Approach
0SP40KZ	Removal Of Nonaut Sub From Lumsac Disc, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SP430Z	Removal Of Drainage Device From Lumsac Disc, Perc Approach
0SP433Z	Removal Of Infusion Device From Lumsac Disc, Perc Approach
0SP437Z	Removal Of Autol Sub From Lumsac Disc, Perc Approach
0SP43JZ	Removal Of Synth Sub From Lumsac Disc, Perc Approach
0SP43KZ	Removal Of Nonaut Sub From Lumsac Disc, Perc Approach
0SP440Z	Removal Of Drain Dev From Lumsac Disc, Perc Endo Approach
0SP443Z	Removal Of Infusion Dev From Lumsac Disc, Perc Endo Approach
0SP447Z	Removal Of Autol Sub From Lumsac Disc, Perc Endo Approach
0SP44JZ	Removal Of Synth Sub From Lumsac Disc, Perc Endo Approach
0SP44KZ	Removal Of Nonaut Sub From Lumsac Disc, Perc Endo Approach
0SQ00ZZ	Repair Lumbar Vertebral Joint, Open Approach
0SQ03ZZ	Repair Lumbar Vertebral Joint, Percutaneous Approach
0SQ04ZZ	Repair Lumbar Vertebral Joint, Perc Endo Approach
0SQ20ZZ	Repair Lumbar Vertebral Disc, Open Approach
0SQ23ZZ	Repair Lumbar Vertebral Disc, Percutaneous Approach
0SQ24ZZ	Repair Lumbar Vertebral Disc, Perc Endo Approach
0SQ30ZZ	Repair Lumbosacral Joint, Open Approach
0SQ33ZZ	Repair Lumbosacral Joint, Percutaneous Approach
0SQ34ZZ	Repair Lumbosacral Joint, Percutaneous Endoscopic Approach
0SQ40ZZ	Repair Lumbosacral Disc, Open Approach
0SQ43ZZ	Repair Lumbosacral Disc, Percutaneous Approach
0SQ44ZZ	Repair Lumbosacral Disc, Percutaneous Endoscopic Approach
0SR007Z	Replacement Of Lum Jt With Autol Sub, Open Approach
0SR00JZ	Replacement Of Lum Jt With Synth Sub, Open Approach
0SR00KZ	Replacement Of Lum Jt With Nonaut Sub, Open Approach
0SR207Z	Replacement Of Lum Disc With Autol Sub, Open Approach
0SR20JZ	Replacement Of Lum Disc With Synth Sub, Open Approach
0SR20KZ	Replacement Of Lum Disc With Nonaut Sub, Open Approach
0SR307Z	Replacement Of Lumsac Jt With Autol Sub, Open Approach
0SR30JZ	Replacement Of Lumsac Jt With Synth Sub, Open Approach
0SR30KZ	Replacement Of Lumsac Jt With Nonaut Sub, Open Approach
0SR407Z	Replacement Of Lumsac Disc With Autol Sub, Open Approach
0SR40JZ	Replacement Of Lumsac Disc With Synth Sub, Open Approach
0SR40KZ	Replacement Of Lumsac Disc With Nonaut Sub, Open Approach
0SS004Z	Reposition Lum Jt With Int Fix, Open Approach
0SS00ZZ	Reposition Lumbar Vertebral Joint, Open Approach
0SS034Z	Reposition Lum Jt With Int Fix, Perc Approach
0SS03ZZ	Reposition Lumbar Vertebral Joint, Percutaneous Approach
0SS044Z	Reposition Lum Jt With Int Fix, Perc Endo Approach
0SS04ZZ	Reposition Lumbar Vertebral Joint, Perc Endo Approach
0SS304Z	Reposition Lumbosacral Joint With Int Fix, Open Approach
0SS30ZZ	Reposition Lumbosacral Joint, Open Approach
0SS334Z	Reposition Lumbosacral Joint With Int Fix, Perc Approach
0SS33ZZ	Reposition Lumbosacral Joint, Percutaneous Approach
0SS344Z	Reposition Lumsac Jt With Int Fix, Perc Endo Approach
0SS34ZZ	Reposition Lumbosacral Joint, Perc Endo Approach
0ST20ZZ	Resection Of Lumbar Vertebral Disc, Open Approach
0ST40ZZ	Resection Of Lumbosacral Disc, Open Approach
0SU007Z	Supplement Lum Jt With Autol Sub, Open Approach
0SU00JZ	Supplement Lum Jt With Synth Sub, Open Approach
0SU00KZ	Supplement Lum Jt With Nonaut Sub, Open Approach
0SU037Z	Supplement Lum Jt With Autol Sub, Perc Approach
0SU03JZ	Supplement Lum Jt With Synth Sub, Perc Approach
0SU03KZ	Supplement Lum Jt With Nonaut Sub, Perc Approach
0SU047Z	Supplement Lum Jt With Autol Sub, Perc Endo Approach
0SU04JZ	Supplement Lum Jt With Synth Sub, Perc Endo Approach
0SU04KZ	Supplement Lum Jt With Nonaut Sub, Perc Endo Approach
0SU207Z	Supplement Lum Disc With Autol Sub, Open Approach
0SU20JZ	Supplement Lum Disc With Synth Sub, Open Approach
0SU20KZ	Supplement Lum Disc With Nonaut Sub, Open Approach
0SU237Z	Supplement Lum Disc With Autol Sub, Perc Approach
0SU23JZ	Supplement Lum Disc With Synth Sub, Perc Approach
0SU23KZ	Supplement Lum Disc With Nonaut Sub, Perc Approach
0SU247Z	Supplement Lum Disc With Autol Sub, Perc Endo Approach
0SU24JZ	Supplement Lum Disc With Synth Sub, Perc Endo Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SU24KZ	Supplement Lum Disc With Nonaut Sub, Perc Endo Approach
0SU307Z	Supplement Lumbosacral Joint With Autol Sub, Open Approach
0SU30JZ	Supplement Lumbosacral Joint With Synth Sub, Open Approach
0SU30KZ	Supplement Lumbosacral Joint With Nonaut Sub, Open Approach
0SU337Z	Supplement Lumbosacral Joint With Autol Sub, Perc Approach
0SU33JZ	Supplement Lumbosacral Joint With Synth Sub, Perc Approach
0SU33KZ	Supplement Lumbosacral Joint With Nonaut Sub, Perc Approach
0SU347Z	Supplement Lumsac Jt With Autol Sub, Perc Endo Approach
0SU34JZ	Supplement Lumsac Jt With Synth Sub, Perc Endo Approach
0SU34KZ	Supplement Lumsac Jt With Nonaut Sub, Perc Endo Approach
0SU407Z	Supplement Lumbosacral Disc With Autol Sub, Open Approach
0SU40JZ	Supplement Lumbosacral Disc With Synth Sub, Open Approach
0SU40KZ	Supplement Lumbosacral Disc With Nonaut Sub, Open Approach
0SU437Z	Supplement Lumbosacral Disc With Autol Sub, Perc Approach
0SU43JZ	Supplement Lumbosacral Disc With Synth Sub, Perc Approach
0SU43KZ	Supplement Lumbosacral Disc With Nonaut Sub, Perc Approach
0SU447Z	Supplement Lumsac Disc With Autol Sub, Perc Endo Approach
0SU44JZ	Supplement Lumsac Disc With Synth Sub, Perc Endo Approach
0SU44KZ	Supplement Lumsac Disc With Nonaut Sub, Perc Endo Approach
0SW000Z	Revision Of Drainage Device In Lum Jt, Open Approach
0SW003Z	Revision Of Infusion Device In Lum Jt, Open Approach
0SW004Z	Revision Of Int Fix In Lum Jt, Open Approach
0SW007Z	Revision Of Autol Sub In Lum Jt, Open Approach
0SW008Z	Revision Of Spacer In Lumbar Vertebral Joint, Open Approach
0SW00AZ	Revision Of Interbody Fusion Device In Lum Jt, Open Approach
0SW00JZ	Revision Of Synthetic Substitute In Lum Jt, Open Approach
0SW00KZ	Revision Of Nonaut Sub In Lum Jt, Open Approach
0SW030Z	Revision Of Drainage Device In Lum Jt, Perc Approach
0SW033Z	Revision Of Infusion Device In Lum Jt, Perc Approach
0SW034Z	Revision Of Int Fix In Lum Jt, Perc Approach
0SW037Z	Revision Of Autol Sub In Lum Jt, Perc Approach
0SW038Z	Revision Of Spacer In Lumbar Vertebral Joint, Perc Approach
0SW03AZ	Revision Of Interbody Fusion Device In Lum Jt, Perc Approach
0SW03JZ	Revision Of Synthetic Substitute In Lum Jt, Perc Approach
0SW03KZ	Revision Of Nonaut Sub In Lum Jt, Perc Approach
0SW040Z	Revision Of Drainage Device In Lum Jt, Perc Endo Approach
0SW043Z	Revision Of Infusion Device In Lum Jt, Perc Endo Approach
0SW044Z	Revision Of Int Fix In Lum Jt, Perc Endo Approach
0SW047Z	Revision Of Autol Sub In Lum Jt, Perc Endo Approach
0SW048Z	Revision Of Spacer In Lum Jt, Perc Endo Approach
0SW04AZ	Revision Of Intbd Fus Dev In Lum Jt, Perc Endo Approach
0SW04JZ	Revision Of Synth Sub In Lum Jt, Perc Endo Approach
0SW04KZ	Revision Of Nonaut Sub In Lum Jt, Perc Endo Approach
0SW200Z	Revision Of Drainage Device In Lum Disc, Open Approach
0SW203Z	Revision Of Infusion Device In Lum Disc, Open Approach
0SW207Z	Revision Of Autol Sub In Lum Disc, Open Approach
0SW20JZ	Revision Of Synthetic Substitute In Lum Disc, Open Approach
0SW20KZ	Revision Of Nonaut Sub In Lum Disc, Open Approach
0SW230Z	Revision Of Drainage Device In Lum Disc, Perc Approach
0SW233Z	Revision Of Infusion Device In Lum Disc, Perc Approach
0SW237Z	Revision Of Autol Sub In Lum Disc, Perc Approach
0SW23JZ	Revision Of Synthetic Substitute In Lum Disc, Perc Approach
0SW23KZ	Revision Of Nonaut Sub In Lum Disc, Perc Approach
0SW240Z	Revision Of Drainage Device In Lum Disc, Perc Endo Approach
0SW243Z	Revision Of Infusion Device In Lum Disc, Perc Endo Approach
0SW247Z	Revision Of Autol Sub In Lum Disc, Perc Endo Approach
0SW24JZ	Revision Of Synth Sub In Lum Disc, Perc Endo Approach
0SW24KZ	Revision Of Nonaut Sub In Lum Disc, Perc Endo Approach
0SW300Z	Revision Of Drainage Device In Lumsac Jt, Open Approach
0SW303Z	Revision Of Infusion Device In Lumsac Jt, Open Approach
0SW304Z	Revision Of Int Fix In Lumsac Jt, Open Approach
0SW307Z	Revision Of Autol Sub In Lumsac Jt, Open Approach
0SW308Z	Revision Of Spacer In Lumbosacral Joint, Open Approach
0SW30AZ	Revision Of Intbd Fus Dev In Lumsac Jt, Open Approach
0SW30JZ	Revision Of Synthetic Substitute In Lumsac Jt, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0SW30KZ	Revision Of Nonaut Sub In Lumsac Jt, Open Approach
0SW330Z	Revision Of Drainage Device In Lumsac Jt, Perc Approach
0SW333Z	Revision Of Infusion Device In Lumsac Jt, Perc Approach
0SW334Z	Revision Of Int Fix In Lumsac Jt, Perc Approach
0SW337Z	Revision Of Autol Sub In Lumsac Jt, Perc Approach
0SW338Z	Revision Of Spacer In Lumbosacral Joint, Perc Approach
0SW33AZ	Revision Of Intbd Fus Dev In Lumsac Jt, Perc Approach
0SW33JZ	Revision Of Synthetic Substitute In Lumsac Jt, Perc Approach
0SW33KZ	Revision Of Nonaut Sub In Lumsac Jt, Perc Approach
0SW340Z	Revision Of Drainage Device In Lumsac Jt, Perc Endo Approach
0SW343Z	Revision Of Infusion Device In Lumsac Jt, Perc Endo Approach
0SW344Z	Revision Of Int Fix In Lumsac Jt, Perc Endo Approach
0SW347Z	Revision Of Autol Sub In Lumsac Jt, Perc Endo Approach
0SW348Z	Revision Of Spacer In Lumbosacral Joint, Perc Endo Approach
0SW34AZ	Revision Of Intbd Fus Dev In Lumsac Jt, Perc Endo Approach
0SW34JZ	Revision Of Synth Sub In Lumsac Jt, Perc Endo Approach
0SW34KZ	Revision Of Nonaut Sub In Lumsac Jt, Perc Endo Approach
0SW400Z	Revision Of Drainage Device In Lumsac Disc, Open Approach
0SW403Z	Revision Of Infusion Device In Lumsac Disc, Open Approach
0SW407Z	Revision Of Autol Sub In Lumsac Disc, Open Approach
0SW40JZ	Revision Of Synth Sub In Lumsac Disc, Open Approach
0SW40KZ	Revision Of Nonaut Sub In Lumsac Disc, Open Approach
0SW430Z	Revision Of Drainage Device In Lumsac Disc, Perc Approach
0SW433Z	Revision Of Infusion Device In Lumsac Disc, Perc Approach
0SW437Z	Revision Of Autol Sub In Lumsac Disc, Perc Approach
0SW43JZ	Revision Of Synth Sub In Lumsac Disc, Perc Approach
0SW43KZ	Revision Of Nonaut Sub In Lumsac Disc, Perc Approach
0SW440Z	Revision Of Drain Dev In Lumsac Disc, Perc Endo Approach
0SW443Z	Revision Of Infusion Dev In Lumsac Disc, Perc Endo Approach
0SW447Z	Revision Of Autol Sub In Lumsac Disc, Perc Endo Approach
0SW44JZ	Revision Of Synth Sub In Lumsac Disc, Perc Endo Approach
0SW44KZ	Revision Of Nonaut Sub In Lumsac Disc, Perc Endo Approach
0W0L07Z	Alteration Of Lower Back With Autol Sub, Open Approach
0W0L0JZ	Alteration Of Lower Back With Synth Sub, Open Approach
0W0L0KZ	Alteration Of Lower Back With Nonaut Sub, Open Approach
0W0L0ZZ	Alteration Of Lower Back, Open Approach
0W0L37Z	Alteration Of Lower Back With Autol Sub, Perc Approach
0W0L3JZ	Alteration Of Lower Back With Synth Sub, Perc Approach
0W0L3KZ	Alteration Of Lower Back With Nonaut Sub, Perc Approach
0W0L3ZZ	Alteration Of Lower Back, Percutaneous Approach
0W0L47Z	Alteration Of Lower Back With Autol Sub, Perc Endo Approach
0W0L4JZ	Alteration Of Lower Back With Synth Sub, Perc Endo Approach
0W0L4KZ	Alteration Of Lower Back With Nonaut Sub, Perc Endo Approach
0W0L4ZZ	Alteration Of Lower Back, Percutaneous Endoscopic Approach
0W3L0ZZ	Control Bleeding In Lower Back, Open Approach
0W3L3ZZ	Control Bleeding In Lower Back, Percutaneous Approach
0W3L4ZZ	Control Bleeding In Lower Back, Perc Endo Approach
0W9L00Z	Drainage Of Lower Back With Drainage Device, Open Approach
0W9L0ZX	Drainage Of Lower Back, Open Approach, Diagnostic
0W9L0ZZ	Drainage Of Lower Back, Open Approach
0W9L30Z	Drainage Of Lower Back With Drainage Device, Perc Approach
0W9L3ZX	Drainage Of Lower Back, Percutaneous Approach, Diagnostic
0W9L3ZZ	Drainage Of Lower Back, Percutaneous Approach
0W9L40Z	Drainage Of Lower Back With Drain Dev, Perc Endo Approach
0W9L4ZX	Drainage Of Lower Back, Perc Endo Approach, Diagn
0W9L4ZZ	Drainage Of Lower Back, Percutaneous Endoscopic Approach
0WBL0ZX	Excision Of Lower Back, Open Approach, Diagnostic
0WBL0ZZ	Excision Of Lower Back, Open Approach
0WBL3ZX	Excision Of Lower Back, Percutaneous Approach, Diagnostic
0WBL3ZZ	Excision Of Lower Back, Percutaneous Approach
0WBL4ZX	Excision Of Lower Back, Perc Endo Approach, Diagn
0WBL4ZZ	Excision Of Lower Back, Percutaneous Endoscopic Approach
0WHL01Z	Insertion Of Radioact Elem Into Low Back, Open Approach
0WHL03Z	Insertion Of Infusion Device Into Lower Back, Open Approach
0WHL0YZ	Insertion Of Other Device Into Lower Back, Open Approach

## APPENDIX D

### Appendix D Lumbar Surgery Codes ICD-9 and ICD-10

ICD Procedure Code	Description
0WHL31Z	Insertion Of Radioact Elem Into Low Back, Perc Approach
0WHL33Z	Insertion Of Infusion Device Into Lower Back, Perc Approach
0WHL3YZ	Insertion Of Other Device Into Lower Back, Perc Approach
0WHL41Z	Insertion Of Radioact Elem Into Low Back, Perc Endo Approach
0WHL43Z	Insertion Of Infusion Dev Into Low Back, Perc Endo Approach
0WHL4YZ	Insertion Of Other Device Into Low Back, Perc Endo Approach
0WML0ZZ	Reattachment Of Lower Back, Open Approach
0WPL00Z	Removal Of Drainage Device From Lower Back, Open Approach
0WPL01Z	Removal Of Radioactive Element From Low Back, Open Approach
0WPL03Z	Removal Of Infusion Device From Lower Back, Open Approach
0WPL07Z	Removal Of Autol Sub From Low Back, Open Approach
0WPL0JZ	Removal Of Synthetic Substitute From Low Back, Open Approach
0WPL0KZ	Removal Of Nonaut Sub From Low Back, Open Approach
0WPL0YZ	Removal Of Other Device From Lower Back, Open Approach
0WPL30Z	Removal Of Drainage Device From Lower Back, Perc Approach
0WPL31Z	Removal Of Radioactive Element From Low Back, Perc Approach
0WPL33Z	Removal Of Infusion Device From Lower Back, Perc Approach
0WPL37Z	Removal Of Autol Sub From Low Back, Perc Approach
0WPL3JZ	Removal Of Synthetic Substitute From Low Back, Perc Approach
0WPL3KZ	Removal Of Nonaut Sub From Low Back, Perc Approach
0WPL3YZ	Removal Of Other Device From Lower Back, Perc Approach
0WPL40Z	Removal Of Drainage Device From Low Back, Perc Endo Approach
0WPL41Z	Removal Of Radioact Elem From Low Back, Perc Endo Approach
0WPL43Z	Removal Of Infusion Device From Low Back, Perc Endo Approach
0WPL47Z	Removal Of Autol Sub From Low Back, Perc Endo Approach
0WPL4JZ	Removal Of Synth Sub From Low Back, Perc Endo Approach
0WPL4KZ	Removal Of Nonaut Sub From Low Back, Perc Endo Approach
0WPL4YZ	Removal Of Other Device From Lower Back, Perc Endo Approach
0WQL0ZZ	Repair Lower Back, Open Approach
0WQL3ZZ	Repair Lower Back, Percutaneous Approach
0WQL4ZZ	Repair Lower Back, Percutaneous Endoscopic Approach
0WUL07Z	Supplement Lower Back With Autol Sub, Open Approach
0WUL0JZ	Supplement Lower Back With Synth Sub, Open Approach
0WUL0KZ	Supplement Lower Back With Nonaut Sub, Open Approach
0WUL47Z	Supplement Lower Back With Autol Sub, Perc Endo Approach
0WUL4JZ	Supplement Lower Back With Synth Sub, Perc Endo Approach
0WUL4KZ	Supplement Lower Back With Nonaut Sub, Perc Endo Approach
0WWL00Z	Revision Of Drainage Device In Lower Back, Open Approach
0WWL01Z	Revision Of Radioactive Element In Lower Back, Open Approach
0WWL07Z	Revision Of Autol Sub In Low Back, Open Approach
0WWL0JZ	Revision Of Synthetic Substitute In Low Back, Open Approach
0WWL0KZ	Revision Of Nonaut Sub In Low Back, Open Approach
0WWL0YZ	Revision Of Other Device In Lower Back, Open Approach
0WWL30Z	Revision Of Drainage Device In Lower Back, Perc Approach
0WWL31Z	Revision Of Radioactive Element In Lower Back, Perc Approach
0WWL37Z	Revision Of Autol Sub In Low Back, Perc Approach
0WWL3JZ	Revision Of Synthetic Substitute In Low Back, Perc Approach
0WWL3KZ	Revision Of Nonaut Sub In Low Back, Perc Approach
0WWL3YZ	Revision Of Other Device In Lower Back, Perc Approach
0WWL40Z	Revision Of Drainage Device In Low Back, Perc Endo Approach
0WWL41Z	Revision Of Radioact Elem In Low Back, Perc Endo Approach
0WWL47Z	Revision Of Autol Sub In Low Back, Perc Endo Approach
0WWL4JZ	Revision Of Synth Sub In Low Back, Perc Endo Approach
0WWL4KZ	Revision Of Nonaut Sub In Low Back, Perc Endo Approach
0WWL4YZ	Revision Of Other Device In Lower Back, Perc Endo Approach
3E1R38X	Irrigate Of Spinal Canal Using Irrigat, Perc Approach, Diagn
3E1R38Z	Irrigation Of Spinal Canal Using Irrigat, Perc Approach
3E1S38X	Irrigate Epidural Space W Irrigat, Perc, Diagn
3E1S38Z	Irrigation Of Epidural Space Using Irrigat, Perc Approach
XNS0032	Reposition Lum Vert W Magnt Ctrl Rod, Open, New Tech 2
XNS0432	Reposition Lum Vert W Magnt Ctrl Rod, Perc Endo, New Tech 2
XRGA092	Fusion T-Lum Jt W Nano Intbd Dev, Open, New Tech 2
XRGB092	Fusion Lum Jt W Nano Intbd Dev, Open, New Tech 2
XRGC092	Fusion 2-4 L Jt W Nano Intbd Dev, Open, New Tech 2
XRGD092	Fusion Lumsac Jt W Nano Intbd Dev, Open, New Tech 2

## **APPENDIX E**

### **Medicare Repricing Limitations**

Outlined below are the limitations of the Milliman Medicare Repricer:

- All repriced amounts reflect prospective amounts and do not reflect any settlements with the Centers for Medicare and Medicaid Services (CMS),
- No adjustments are made for sequestration,
- Repriced amounts are based on information released at the beginning of each year (federal fiscal year for inpatient services and calendar year for other types of services),
- No adjustment is made for providers that participate in Medicare's Bundled Payment for Care Improvement (BPCI) initiative.

#### **FACILITY REPRICING**

- Medicare facility payments are provider-specific. However, MarketScan does not include provider information, so provider locality was assumed to be the same as a member's geographic area.
- Medicare's inpatient maternity payments are based on the disabled population (i.e., members who qualify for Medicare due to a qualifying condition rather than by age). Additionally, the Medicare Severity-Diagnosis Related Groups (MS-DRGs) are not refined for maternity services (e.g., neonates). Therefore, in the repricing we:
  - Base maternity payments on the TRICARE relativities, rolled up to the MS-DRG level.
  - Use per diems for neonatal services, because MS-DRGs are not refined and the length of stay varies significantly by MS-DRG.
- Inpatient Medicare payments include indirect medical education (IME), disproportional share hospital (DSH), uncompensated care, and outlier payment components.
- Non-PPS hospitals are priced using PPS. This includes:
  - Critical access hospitals (paid at cost by Medicare).
  - Cancer and children's hospitals (paid at cost by Medicare).
  - Maryland hospitals (waiver hospitals are paid at or close to billed by Medicare).
- Medicare inpatient case rates are based on a Medicare population's average length of stay (LOS). With the exception of maternity (see above) and mental health and substance abuse, no adjustment was made for the LOS differences between commercial and Medicare patients.
- Inpatient new technology payments are not included. The impact of these payments varies from year to year, but is generally very small (i.e., less than 1%).
- Inpatient rehabilitation and psychiatric hospital claims are priced using inpatient PPS rather than the rehabilitation PPS and psychiatric PPS schedules.

#### **PROFESSIONAL REPRICING**

- Professional ancillary services (ambulance, durable medical equipment, home health, etc.) are excluded from the exhibits.
- There are a number of professional services that Medicare does not cover for statutory reasons, but for which Medicare publishes relative value units (RVUs). In general, we priced these services using the published RVUs.



## **APPENDIX E**

### **Medicare Repricing Limitations**

- Medicare employs claims edits to deny payment for certain professional services. We assumed all professional services with a positive allowed amount were accepted for payment and included these services in the repricing analysis.
- No physician incentive payment adjustments are included, such as those under the Electronic Prescribing (eRx) Incentive Program, the Physician Quality Reporting System (PQRS), the Maintenance of Certification (MOC) program, or the Primary Care Incentive Payments (PCIP) program.
- Medicare makes additional payments for professionals in health professional shortage areas (HPSAs). These payments are not incorporated.