

Supplementary file 4. Specification of ICD 9 and 10 codes that are included in the four low back pain category

Low back pain category	ICD-9	ICD-10
Non-specific low back pain	722.30	M51.4
Non-specific low back pain	722.31	M51.4
Non-specific low back pain	722.32	M51.4
Non-specific low back pain	722.39	M51.4
Non-specific low back pain	724.2	M54.56
Non-specific low back pain	724.3	M54.39
Non-specific low back pain	724.4	M54.19
Non-specific low back pain	724.5	M54.99
Non-specific low back pain	724.6	M53.88
Non-specific low back pain	724.8	M54.89
Non-specific low back pain	724.9	M53.99
Non-specific low back pain	739.3	M99.03
Non-specific low back pain	739.4	M99.04
Degenerative low back problems	721.3	M47.87
Degenerative low back problems	721.5	M48.29
Degenerative low back problems	721.6	M48.19
Degenerative low back problems	721.7	M48.39
Degenerative low back problems	721.8	M48.89
Degenerative low back problems	721.90	M47.99
Degenerative low back problems	721.91	M47.19
Degenerative low back problems	722.6	M51.3
Degenerative low back problems	722.90	M51.9
Degenerative low back problems	722.91	M50.9
Degenerative low back problems	722.92	M51.9
Degenerative low back problems	722.93	M51.9
Lumbar spinal stenosis	721.41	M47.14
Lumbar spinal stenosis	721.42	M47.16
Lumbar spinal stenosis	724.00	M48.09
Lumbar spinal stenosis	724.01	M48.04
Lumbar spinal stenosis	724.02	M48.06
Lumbar spinal stenosis	724.09	M48.08
Hernia nuclei pulposi	722.10	M51.2
Hernia nuclei pulposi	722.11	M51.2
Hernia nuclei pulposi	722.2	M51.2
Hernia nuclei pulposi	722.70	M51.0
Hernia nuclei pulposi	722.71	M50.0
Hernia nuclei pulposi	722.72	M51.0
Hernia nuclei pulposi	722.73	M51.0