S1 Table: Inclusion codes for both cohorts

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| **Diagnosis codes\*** | **Definition** |
| M54.5 | Low back pain |
| M47.816 | Spondylosis without myelopathy or radiculopathy, lumbar region |
| M47.817 | Spondylosis without myelopathy or radiculopathy, lumbosacral region |
| M48.06 | Spinal stenosis, lumbar region |
| M51.26 | Other intervertebral disc displacement, lumbar region |
| M51.27 | Other intervertebral disc displacement, lumbosacral region |
| M51.36 | Other intervertebral disc degeneration, lumbar region |
| M51.37 | Other intervertebral disc degeneration, lumbosacral region |
| M54.16 | Radiculopathy, lumbar region |
| M54.17 | Radiculopathy, lumbosacral region |
| M54.18 | Radiculopathy, sacral and sacrococcygeal region |
| M54.3 | Sciatica |
| M54.4 | Lumbago with sciatica |
| \*International Classification of Diseases, 10th Edition (ICD-10) |