

**Supplementary table 1 ICD-9 and ICD-10 diagnosis and procedure codes used in the analyses**

	ICD-9	ICD-10
Lumbar degenerative disease	721.3, 721.4 721.42, 722.32, 722.5, 722.51, 722.52, 738.4, 756.11, 756.12	M51.05, M51.06, M51.15, M51.16, M51.17, M51.25, M51.26, M51.27, M51.35, M51.36, M51.37, M51.85, M51.86, M51.87, M51.9, M54.30-M54.32, M54.40-M54.42
AKI	584, V45.1, DXCCS157	N17, N99.0
Decompression	Procedure codes: 03.01, 03.09, 03.4, 03.53	Procedure codes: 005Y, 00CY, 0SB0, 0SB2, 0SB3, 0SB4, 0SB5, 0SB6, 00BY, 00NY, 0QS0, 0QS1
Fusion	Procedure codes: 81.04-81.08, 81.34-81.38, 81.61	Procedure codes: 0SG0, 0SG1, 0SG3, 0SG5, 0SG6, 0RGA

AKI=acute kidney injury.