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**TABLE E-1 Selection Criteria for the Spinal Trauma Cohorts with and without SCI***

| Cohort and Criteria | ICD-9 Code |
|---|---|
| Trauma-no SCI cohort | |
| EITHER | |
| Fracture of vertebral column without mention of SCI | 805.0-805.9 |
| OR | |
| Vertebral dislocation | 839.0-839.5 |
| AND NOT | |
| Hemiplegia and hemiparesis | 342.0, 342.1, 342.8, 342.9 |
| AND NOT | |
| Other paralytic syndromes | 344.0-344.6, 344.8, 344.9 |
| Trauma-SCI cohort | |
| EITHER | |
| Fracture of vertebral column without mention of SCI | 805.0-805.9 |
| OR | |
| Vertebral dislocation | 839.0-839.5 |
| OR | |
| SCI without evidence of spinal bone injury | 952.0-952.4, 952.8, 952.9 |
| AND | |
| Hemiplegia and hemiparesis | 342.0, 342.1, 342.8, 342.9 |
| OR | |
| Other paralytic syndromes | 344.0-344.6, 344.8, 344.9 |

*SCI = spinal cord injury. General eligibility criteria for both cohorts were an age of greater than seventeen and less than sixty-one years, no record of in-hospital death, and one of the following CPT codes for spine surgery. Anterior discectomy or corpectomy: 22551, 63075, 63077, 63081, 63085, 63087, 63090, 63101, 63102, 63300-7, 22856, 22857, 22861, 22862. Posterior discectomy or decompression: 63001, 63015, 63003, 63016, 63005, 63017, 63011, 63020, 63030, 63012, 63045, 63046, 63047, 63040, 63043, 63042, 63044, 63050, 63051, 63055, 63056, 63064, 63250, 63251, 63252, 63265, 63266, 63267, 63268, 63270, 63271, 63272, 63273, 63275, 63276, 63277, 63278, 63280, 63281, 63282, 63283, 63285, 63286, 63287, 63290, 22206, 22207, 22210, 22212, 22214, 22220, 22222, 22224. Arthrodesis, anterior: 22548, 22554, 22556, 22558. Fracture treatment: 22318, 22319, 22326, 22327, 22325. Arthrodesis, posterior: 22590, 22595, 22600, 22610, 22612, 22614, 22630, 22633, 22800, 22802, 22804, 22808, 22810, 22812, 22818, 22819. Instrumentation: 22849, 22850, 22845, 22846, 22847, 22840, 22841, 22842, 22843, 22844, 22848. Removal of hardware: 22855, 22850, 22852, 22830. Irrigation and debridement: 22010, 22015, 10180.