

Supplementary material

Legend

Appendix 1: This appendix provides the specific AIS and ICD-10-AM codes that were used to form part of the inclusion criteria for this study.

Appendix 1: AIS and ICD-10-AM diagnosis codes for thoracic and lumbar spinal cord injury	
AIS thoracic spine codes	
640400.3	Cord contusion [includes the diagnosis of compression, or epidural or subdural haemorrhage within spinal canal documented by imaging studies or autopsy]
640401.3	Cord contusion with transient neurological signs (paraesthesia) but NFS as to fracture/dislocation
640402.3	Cord contusion with no fracture or dislocation
640404.3	Cord contusion with fracture
640406.3	Cord contusion with dislocation
640408.3	Cord contusion with both fracture and dislocation
640410.4	Incomplete cord syndrome (preservation of some sensation or motor function; includes anterior cord, central cord, lateral cord (Brown-Sequard) syndromes) but NFS as to fracture/dislocation
640412.4	Incomplete cord syndrome with no fracture or dislocation
640414.4	Incomplete cord syndrome with fracture
640416.4	Incomplete cord syndrome with dislocation
640418.4	Incomplete cord syndrome with both fracture and dislocation
640420.5	Complete cord syndrome (paraplegia with no sensation) but NFS as to fracture/dislocation

640422.5	Complete cord syndrome with no fracture or dislocation
640424.5	Complete cord syndrome with fracture
640426.5	Complete cord syndrome with dislocation
640428.5	Complete cord syndrome with both fracture and dislocation
640442.5	Cord laceration NFS [includes penetrating injury, transection or crush]
640442.5	Cord laceration incomplete (preservation of some sensation or motor function), but NFS as to fracture/dislocation
640444.5	Cord laceration with no fracture or dislocation
640446.5	Cord laceration with fracture
640448.5	Cord laceration with dislocation
640450.5	Cord laceration with both fracture and dislocation
640460.5	Complete cord syndrome NFS (paraplegia with no sensation or motor function) but NFS as to fracture/dislocation
640462.5	Complete cord syndrome with no fracture or dislocation
640464.5	Complete cord syndrome with fracture
640466.5	Complete cord syndrome with dislocation
640468.5	Complete cord syndrome with both fracture and dislocation
650403.3	Disc herniation with root damage (radiculopathy)
630499.2	Nerve root injury, single or multiple NFS
630402.2	Nerve root contusion; stretch injury
630404.2	Nerve root laceration NFS
630406.2	Nerve root laceration single nerve root

630408.3	Nerve root laceration multiple nerve roots
630410.2	Nerve root avulsion NFS
630412.2	Nerve root avulsion single nerve root
630414.3	Nerve root avulsion multiple nerve roots
AIS lumbar spine codes	
630600.3	Cauda equina contusion, NFS
630602.3	Cauda equina contusion with transient neurological signs but NFS as to fracture/dislocation
630604.3	Cauda equina contusion with transient neurological signs with no fracture/dislocation
630606.3	Cauda equina contusion with transient neurological signs with fracture
630608.3	Cauda equina contusion with transient neurological signs with dislocation
630610.3	Cauda equina contusion with transient neurological signs with fracture and dislocation
631620.3	Incomplete cauda equina syndrome but NFS as to fracture/dislocation
630622.3	Incomplete cauda equina syndrome with no fracture or dislocation
630624.3	Incomplete cauda equina syndrome with fracture
630626.3	Incomplete cauda equina syndrome with dislocation
630628.3	Incomplete cauda equina syndrome with fracture and dislocation
630630.4	Complete cauda equina syndrome but NFS as to fracture/dislocation
630632.4	Complete cauda equina syndrome with no fracture/dislocation
630634.4	Complete cauda equina syndrome with fracture
630636.4	Complete cauda equina syndrome with dislocation

630638.4	Complete cauda equina syndrome with both fracture and dislocation
640600.3	Cord contusion [includes the diagnosis of compression, or epidural or subdural haemorrhage within spinal canal documented by imaging studies or autopsy]
640601.3	Cord contusion with transient neurological signs (paraesthesia), but NFS as to fracture/dislocation
640602.3	Cord contusion with no fracture or dislocation
640604.3	Cord contusion with fracture
640606.3	Cord contusion with dislocation
640608.3	Cord contusion with both fracture and dislocation
640610.4	Incomplete cord syndrome (preservation of some sensation or motor function; includes lateral cord (brown-Sequard) syndrome) but NFS as to fracture/dislocation
640612.4	Incomplete cord syndrome with no fracture or dislocation
640614.4	Incomplete cord syndrome with fracture
640616.4	Incomplete cord syndrome with dislocation
640618.4	Incomplete cord syndrome with both fracture and dislocation
640620.5	Complete cord syndrome (paraplegia with no sensation) but NFS as to fracture/dislocation
640622.5	Complete cord syndrome with no fracture or dislocation
640624.5	Complete cord syndrome with fracture
640626.5	Complete cord syndrome with dislocation
640628.5	Complete cord syndrome with both fracture and dislocation
640640.5	Cord laceration NFS [includes penetrating injury, transection or crush]

640642.5	Cord laceration incomplete (preservation of some sensation or motor function), but NFS as to fracture/dislocation
64064	Cord laceration with no fracture or dislocation
640646.5	Cord laceration with fracture
640648.5	Cord laceration with dislocation
640650.5	Cord laceration with both fracture and dislocation
640660.5	Complete cord syndrome NFS (paraplegia with no sensation or motor function) but NFS as to fracture/dislocation
640662.5	Complete cord syndrome with no fracture or dislocation
640664.5	Complete cord syndrome with fracture
640666.5	Complete cord syndrome with dislocation
640668.5	Complete cord syndrome with both fracture and dislocation
650603.3	Disc herniation with root damage (radiculopathy)
630699.2	Nerve root or sacral plexus, single or multiple NFS
630660.2	Nerve root or sacral plexus contusion; stretch injury
630662.2	Nerve root or sacral plexus laceration NFS
630664.2	Nerve root or sacral plexus laceration single nerve root
630666.3	Nerve root or sacral plexus laceration multiple nerve roots
630668.2	Nerve root or sacral plexus avulsion NFS
630612.2	Nerve root or sacral plexus avulsion single nerve root
630614.3	Nerve root or sacral plexus avulsion multiple nerve roots
ICD-10-AM diagnosis codes	

S24.0	Concussion and oedema of thoracic spinal cord
S24.10	Injury of thoracic spinal cord unspecified
S24.11	Complete lesion of thoracic spinal cord
S24.12	Incomplete cord syndrome of thoracic spinal cord
S24.2	Injury of nerve root of thoracic spine
S24.70	Functional spinal cord injury, thoracic level unspecified
S24.73	Functional spinal cord injury, T4/T5
S24.74	Functional spinal cord injury, T6/T7
S24.75	Functional spinal cord injury, T8/T9
S24.76	Functional spinal cord injury, T10/T11
S24.77	Functional spinal cord injury, T12
S34.0	Concussion and oedema of lumbar spinal cord [conus medullaris]
S34.1	Other injury of lumbar spinal cord [conus medullaris]
S34.2	Injury of nerve root of lumbar and sacral spine
S34.3	Injury of cauda equina
S34.70	Functional spinal cord injury, lumbar level unspecified
S34.71	Functional spinal cord injury, L1
S34.72	Functional spinal cord injury, L2
S34.73	Functional spinal cord injury, L3
S34.74	Functional spinal cord injury, L4
S34.75	Functional spinal cord injury, L5
S34.76	Functional spinal cord injury, sacrum

