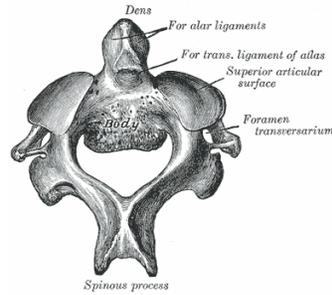
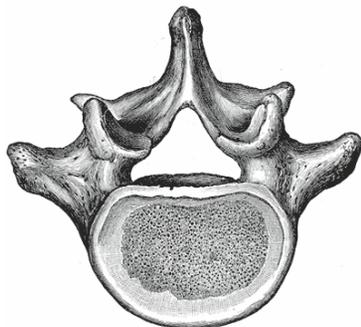


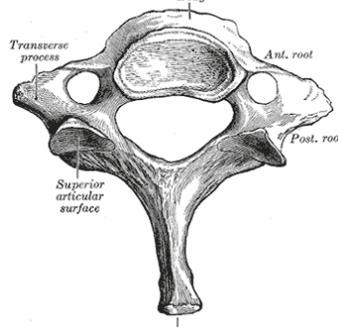
**C1-atlas**



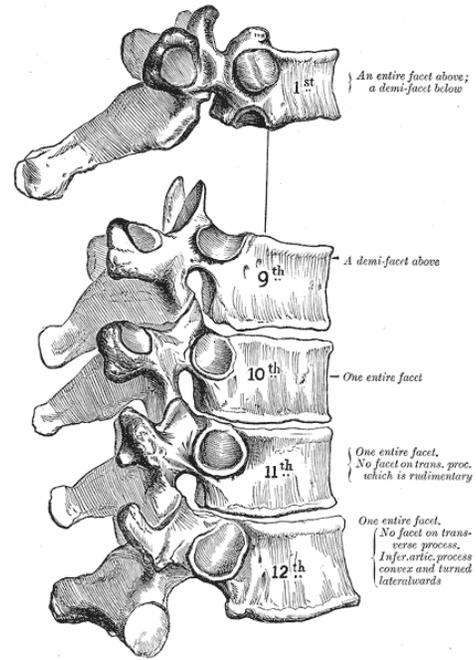
**C2**



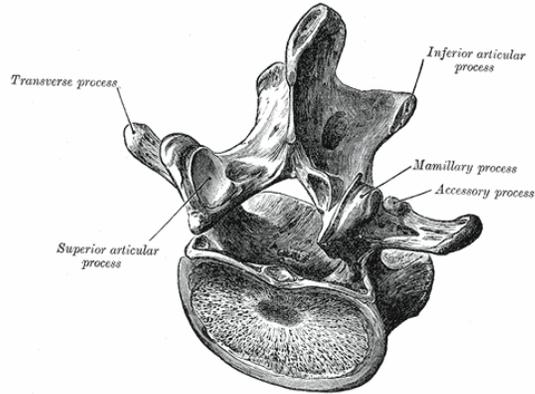
**L-5**



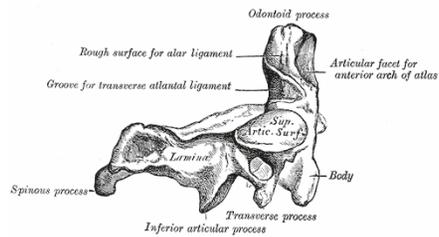
**C-7**



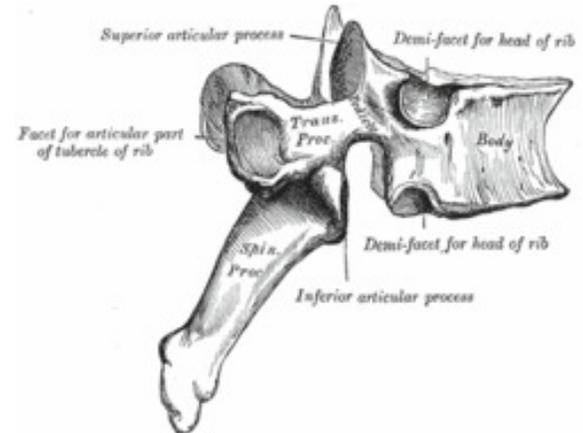
**T-Spine**



**Lumbar Vertebra**



**C-2 (lateral view)**



**T-Spine (lateral view)**

Source: [www.bartleby.com](http://www.bartleby.com) - Gray's Anatomy

Update 2008

## **CODING RULES: Spine**

**Coexisting injuries to the spinal cord and to the vertebral column are coded as a single injury; for example, cord contusion with paraplegia and associated fracture/dislocation is a single injury and is assigned only one AIS code. In such cases, the fracture/dislocation is not coded separately.**

**When a cord injury is continuous only the highest level is coded. When the cord is injured in more than one region and the injuries are separate and distinct, then all the injuries are coded.**

**Paralysis is coded according to its status at 24 hours post-injury. In cases where the patient dies within the first 24 hours, code the status of documented paralysis at the time of death.**

**“Spinal cord injury without radiological abnormality” [SCIWORA] was coined in 1982 to describe a syndrome of post-traumatic neurologic injury without evidence of fracture or ligamentous instability on plain radiographs or CT. With the advent of MRI, however, most patients who previously would have been diagnosed with SCIWORA have demonstrable radiographic findings. SCIWORA as a diagnosis is still used in some clinical settings. It should be coded as spinal cord contusion not further specified. This diagnosis is most commonly attributed to the cervical region rather than to either the thoracic or lumbar regions.**

## CERVICAL SPINE

AIS 2005	Injury Description	⇒AIS98	⇐AIS98	FCI
<b>Use one of the following two descriptors when such vague information is the only information available. While these descriptors identify the occurrence of an injury to the cervical spine, they do not specify its severity.</b>				
600099.9	<b>Injuries to the Cervical Spine</b> NFS	615099.9	615099.9	
600999.9	Died of cervical spine injury without further substantiation of injuries or no autopsy confirmation of specific injuries.	615999.9	615999.9	
630299.2	<b>Brachial Plexus</b> injury NFS [includes trunks, divisions or cords]	630299.2	630299.2	2
630210.2	incomplete plexus injury NFS	630210.2	630210.2	2
630212.2	contusion; stretch injury	630212.2	630212.2	2
630214.2	laceration	630214.2	630214.2	4
630216.2	avulsion	630216.2	630216.2	4
630220.3	complete plexus injury NFS	630220.2 <sup>b</sup>	630220.2 <sup>b</sup>	1
630221.4	bilateral <sup>c</sup>	630220.2 <sup>b</sup>	None	1
630222.3	contusion; stretch injury	630222.3	630222.3	1
630224.3	laceration	630224.3	630224.3	1
630226.3	avulsion	630226.3	630226.3	1
630227.4	bilateral <sup>c</sup>	630226.3 <sup>b</sup>	None	1

<sup>b</sup> Change in severity code in AIS 2005

<sup>c</sup> In previous editions of AIS, with few exceptions, each injury was coded separately. AIS 2005 introduces “bilateral”. Some bilateral injuries may affect severity levels and, therefore, the ISS for patients with those injuries.

## CERVICAL SPINE

AIS 2005	Injury Description	⇒AIS98	⇐AIS98	FCI
640200.3	<b>Cord</b> contusion NFS [includes the diagnosis of compression, or epidural or subdural hemorrhage within spinal canal documented by imaging studies or autopsy]	640200.3	640200.3	5
640201.3	with transient neurological signs (paresthesia), but NFS as to fracture/dislocation	640201.3	640201.3	5
640202.3	with no fracture or dislocation	640202.3	640202.3	5
640204.3	with fracture	640204.3	640204.3	5
640206.3	with dislocation	640206.3	640206.3	5
640208.3	with both fracture and dislocation	640208.3	640208.3	5
640210.4	incomplete cord syndrome (preservation of some sensation or motor function; includes anterior cord, central cord, lateral cord ( <i>Brown-Sequard</i> ) syndromes), but NFS as to fracture/dislocation	640210.4	640210.4	1
640212.4	with no fracture or dislocation	640212.4	640212.4	1
640214.4	with fracture	640214.4	640214.4	1
640216.4	with dislocation	640216.4	640216.4	1
640218.4	with both fracture and dislocation	640218.4	640218.4	1
640220.5	complete cord syndrome (quadriplegia or paraplegia with no sensation)	640220.5	640220.5	1
640221.5	C-4 or below, but NFS as to fracture/dislocation or NFS as to site	640221.5	640221.5	1
640222.5	with no fracture or dislocation	640222.5	640222.5	1
640224.5	with fracture	640224.5	640224.5	1
640226.5	with dislocation	640226.5	640226.5	1
640228.5	with both fracture and dislocation	640228.5	640228.5	1
640229.6	C-3 or above, but NFS as to fracture/dislocation	640229.6	640229.6	1
640230.6	with no fracture or dislocation	640230.6	640230.6	1
640232.6	with fracture	640232.6	640232.6	1
640234.6	with dislocation	640234.6	640234.6	1
640236.6	with both fracture and dislocation	640236.6	640236.6	1

## CERVICAL SPINE

AIS 2005	Injury Description	⇒AIS98	⇐AIS98	FCI
640240.5	<b>Cord</b> laceration NFS [includes penetrating injury, transection or crush]	640240.5	640240.5	2
640242.5	incomplete (preservation of some sensation or motor function), but NFS as to fracture/dislocation	640242.5	640242.5	2
640244.5	with no fracture or dislocation	640244.5	640244.5	2
640246.5	with fracture	640246.5	640246.5	2
640248.5	with dislocation	640248.5	640248.5	2
640250.5	with both fracture and dislocation	640250.5	640250.5	2
640260.5	complete cord syndrome NFS (quadriplegia or paraplegia with no sensation or motor function)	640260.5	640260.5	1
640261.5	C-4 or below, but NFS as to fracture/dislocation	640261.5	640261.5	1
640262.5	with no fracture or dislocation	640262.5	640262.5	1
640264.5	with fracture	640264.5	640264.5	1
640266.5	with dislocation	640266.5	640266.5	1
640268.5	with both fracture and dislocation	640268.5	640268.5	1
640269.6	C-3 or above, but NFS as to fracture/dislocation	640269.6	640269.6	1
640270.6	with no fracture or dislocation	640270.6	640270.6	1
640272.6	with fracture	640272.6	640272.6	1
640274.6	with dislocation	640274.6	640274.6	1
640276.6	with both fracture and dislocation	640276.6	640276.6	1
650299.2	<b>Disc</b> injury NFS	650299.2	650299.2	5
650200.2	herniation NFS	650200.2	650200.2	5
650202.2	no nerve root damage (radiculopathy)	650202.2	650202.2	5
650203.3	with nerve root damage (radiculopathy)	650203.3	650203.3	5
650205.3	rupture	650203.3	650203.3	
650204.2	Dislocation [subluxation], no fracture, no cord involvement NFS	650204.2	650204.2	5
	<b>Code as one injury and assign to superior vertebra.</b>			
650206.3	<b>atlanto-axial (odontoid)</b>	650206.3	650206.3	5
650208.2	<b>atlanto-occipital</b>	650208.2	650208.2	5
650209.2	<b>facet</b> NFS	650209.2	650209.2	5
650210.2	unilateral	650210.2	650210.2	5
650212.3	bilateral	650212.3	650212.3	5

## CERVICAL SPINE

AIS 2005	Injury Description	⇒AIS98	⇐AIS98	FCI
650216.2	Fracture with or without dislocation but no cord involvement NFS <b>Code each vertebra separately. Note instructions at lamina, pedicle and vertebral body for coding fractures of the atlas (C1).</b>	650216.2	650216.2	5
650217.2	multiple fractures of same vertebra <sup>a</sup> <b>Exceptions: odontoid or major compression fracture which are coded additionally.</b>	650216.2	None	5
650218.2	<b>spinous process</b>	650218.2	650218.2	5
650220.2	<b>transverse process</b>	650220.2	650220.2	5
650222.2	<b>facet</b>	650222.3 <sup>b</sup>	650222.3 <sup>b</sup>	5
650224.2	<b>lamina</b> <b>code C1 posterior arch here</b>	650224.3 <sup>b</sup>	650224.3 <sup>b</sup>	5
650226.2	<b>pedicle</b> <b>code C1 lateral mass here</b>	650226.3 <sup>b</sup>	650226.3 <sup>b</sup>	5
650228.3	<b>odontoid (dens)</b>	650228.3	650228.3	5
650230.2	<b>vertebral body NFS</b> ["burst" fracture] <b>code C1 anterior arch here</b>	650230.2	650230.2	5
650232.2	minor compression (≤20% loss of anterior height)	650232.2	650232.2	5
650234.3	major compression (>20% loss of anterior height)	650234.3	650234.3	5
640284.1	<b>Spinous ligament injury</b>	640284.1	640284.1	5
630260.2	<b>Nerve root</b> , single or multiple NFS	630260.2	630260.2	2
630202.2	contusion; stretch injury	630202.2	630202.2	2
630204.2	laceration NFS	630204.2	630204.2	2
630206.2	single nerve root	630206.2	630206.2	2
630208.3	multiple nerve roots	630208.3	630208.3	2
630262.2	avulsion NFS	630262.2	630262.2	2
630264.2	single nerve root	630264.2	630264.2	2
630266.3	multiple nerve roots	630266.3	630266.3	2
640278.1	Strain, acute, with no fracture or dislocation	640278.1	640278.1	5

<sup>a</sup> New descriptor in AIS 2005

<sup>b</sup> Change in severity code in AIS 2005