

Supplement 1. CPT codes used for exclusion

	CPT	CPT description	
Other cervical procedures	22551	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; cervical below C2	
	22552	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; cervical below C2, each additional interspace	
	22590	Arthrodesis, posterior technique, craniocervical (occiput–C2)	
	22595	Arthrodesis, posterior technique, atlas-axis (C1–C2)	
	22600	Arthrodesis, posterior or posterolateral technique, single level; cervical below C2 segment	
	22856	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophyctomy for nerve root or spinal cord compression and microdissection); single interspace, cervical	
	22858	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophyctomy for nerve root or spinal cord compression and microdissection); second level, cervical	
	63015	Laminectomy with removal of abnormal facets and/or pars inter-articularis with decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (e.g., spinal stenosis), more than two vertebral segments; cervical	
	63020	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including facetectomy, foraminotomy, and/or excision of herniated intervertebral discs; one interspace, cervical	
	63040	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including facetectomy, foraminotomy, and/or excision of herniated intervertebral disc, reexploration, single interspace; cervical	
	63045	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root(s), (e.g., spinal or lateral recess stenosis), single vertebral segment; cervical	
	63050	Laminoplasty, cervical, with decompression of the spinal cord, two or more vertebral segments	
	63051	Laminoplasty, cervical, with decompression of the spinal cord, two or more vertebral segments; with reconstruction of the posterior bony elements (including the application of bridging bone graft and non-segmental fixation devices (e.g., wire, suture, mini-plates, when performed)	
	Thoracic and lumbar fusion	22556	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; thoracic
		22558	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; lumbar
22610		Arthrodesis, posterior or posterolateral technique, single level; thoracic	
22612		Arthrodesis, posterior or posterolateral technique, single level; lumbar	
22630		Arthrodesis, posterior or posterolateral technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar	
22632		Arthrodesis, posterior or posterolateral technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace	
22633		Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace and segment; lumbar	
22634		Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace and segment; each additional interspace and segment	
Revision	22830	Exploration of spinal fusion	
	22849	Reinsertion of spinal fixation device	
	22850	Removal of posterior nonsegmental instrumentation	
	22852	Removal of posterior segmental instrumentation	
	22855	Removal of anterior instrumentation	
	22861	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical	

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Supplement 1. Continued

	CPT	CPT description
	22864	Removal of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical
Intraspinous lesion	63300	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, cervical
	63301	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by transthoracic approach
	63304	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, cervical
	63308	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; each additional segment

CPT, Common Procedural Terminology.