Extra-Axial 61500 Craniectomy; with excision of tumor or other bone lesion of skull 61512 Craniectomy, trephination, bone flap craniotomy; for excision of meningioma, supratentorial 61519 Craniectomy for excision of brain tumor, infratentorial or posterior fossa; meningioma 61600 Resection or excision of neoplastic, vascular or infectious lesion of base of anterior cranial fossa; extradural 8iopsy 61140 Burr hole(s) or trephine; with biopsy of brain or intracranial lesion 61150 Burr hole(s) or trephine; with drainage of brain abscess or cyst 61151 Burr hole(s) or trephine; with subsequent tapping (aspiration) of intracranial abscess or cyst 61332 Exploration of orbit (transcranial approach); with biopsy Intra-Axial 61510 Craniectomy, trephination, bone flap craniotomy; for excision of brain tumor, supratentorial, except meningioma Skull Base and Other

JKuli	base and other
61590	Infratemporal pre-auricular approach to middle cranial fossa (parapharyngeal space, infratemporal and midline skull base, nasopharynx), with or without disarticulation of the mandible, including parotidectomy, craniotomy, decompression and/or mobilization
	without disarticulation of the mandible, including parotidectomy, craniotomy, decompression and/or mobilization
61591	Infratemporal post-auricular approach to middle cranial fossa (internal auditory meatus, petrous apex, tentorium, cavernous sinus, parasellar area, infratemporal fossa) including mastoidectomy, resection of sigmoid sinus, with or without decompression
01331	infratemporal fossa) including mastoidectomy, resection of sigmoid sinus, with or without decompression
61592	Orbitocranial zygomatic approach to middle cranial fossa (cavernous sinus and carotid artery, clivus, basilar artery or petrous apex) including osteotomy of zygoma, craniotomy, extra- or intradural elevation of temporal lobe
01392	osteotomy of zygoma, craniotomy, extra- or intradural elevation of temporal lobe
61595	Transtemporal approach to posterior cranial fossa, jugular foramen or midline skull base, including mastoidectomy, decompression of sigmoid sinus
	and/or facial nerve, with or without mobilization
61596	Transcochlear approach to posterior cranial fossa, jugular foramen or midline skull base, including labyrinthectomy, decompression, with or without mobilization of facial nerve and/or petrous carotid artery
01390	mobilization of facial nerve and/or petrous carotid artery
	Transcondylar (far lateral) approach to posterior cranial fossa, jugular foramen or midline skull base, including occipital condylectomy, mastoidectomy, resection of C1-C3 vertebral body(s), decompression of vertebral artery, with or without mobilization
01337	mastoidectomy, resection of C1-C3 vertebral body(s), decompression of vertebral artery, with or without mobilization
61598	Transpetrosal approach to posterior cranial fossa, clivus or foramen magnum, including ligation of superior petrosal sinus and/or sigmoid sinus
61601	Resection or excision of neoplastic, vascular or infectious lesion of base of anterior cranial fossa; intradural, including dural repair, with or without
0.1001	graft

61606	Resection or excision of neoplastic, vascular or infectious lesion of infratemporal fossa, parapharyngeal space, petrous apex; intradural, including dural repair, with or without graft
61615	
	Resection or excision of neoplastic, vascular or infectious lesion of base of posterior cranial fossa, jugular foramen, foramen magnum, or C1-C3
	vertebral bodies; extradural
61333	Exploration of orbit (transcranial approach); with removal of lesion
61517	Implantation of brain intracavitary chemotherapy agent (List separately in addition to code for primary procedure)
61518	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; except meningioma, cerebellopontine angle tumor, or midline tumor at base of skull
61520	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; cerebellopontine angle tumor
61521	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; midline tumor at base of skull
	Craniectomy, infratentorial or posterior fossa; for excision or fenestration of cyst
	Craniectomy, bone flap craniotomy, transtemporal (mastoid) for excision of cerebellopontine angle tumor;
	Craniectomy, bone flap craniotomy, transtemporal (mastoid) for excision of cerebellopontine angle tumor; combined with middle/posterior fossa
61530	craniotomy/craniectomy
61563	Excision, intra and extracranial, benign tumor of cranial bone (eg, fibrous dysplasia); without optic nerve decompression
61564	Excision, intra and extracranial, benign tumor of cranial bone (eg, fibrous dysplasia); with optic nerve decompression
64504	Infratemporal post-auricular approach to middle cranial fossa (internal auditory meatus, petrous apex, tentorium, cavernous sinus, parasellar area,
61591	infratemporal fossa) including mastoidectomy, resection of sigmoid sinus, with or without decompression and/
64503	Orbitocranial zygomatic approach to middle cranial fossa (cavernous sinus and carotid artery, clivus, basilar artery or petrous apex) including
61592	osteotomy of zygoma, craniotomy, extra- or intradural elevation of temporal lobe
64505	Transtemporal approach to posterior cranial fossa, jugular foramen or midline skull base, including mastoidectomy, decompression of sigmoid sinus
61595	and/or facial nerve, with or without mobilization
64.506	Transcochlear approach to posterior cranial fossa, jugular foramen or midline skull base, including labyrinthectomy, decompression, with or without
61596	mobilization of facial nerve and/or petrous carotid artery
	Resection or excision of neoplastic, vascular or infectious lesion of base of anterior cranial fossa; intradural, including dural repair, with or without
61601	graft
	Resection or excision of neoplastic, vascular or infectious lesion of infratemporal fossa, parapharyngeal space, petrous apex; extradural
61606	Resection or excision of neoplastic, vascular or infectious lesion of infratemporal fossa, parapharyngeal space, petrous apex; intradural, including
	dural repair, with or without graft
61607	Resection or excision of neoplastic, vascular or infectious lesion of parasellar area, cavernous sinus, clivus or midline skull base; extradural
61608	Resection or excision of neoplastic, vascular or infectious lesion of parasellar area, cavernous sinus, clivus or midline skull base; intradural, including
	dural repair, with or without graft

Resection or excision of neoplastic, vascular or infectious lesion of base of posterior cranial fossa, jugular foramen, foramen magnum, or C1-C3 vertebral bodies; intradural, including dural repair, with or without graft 62164 Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage DC2 Adult craniotomy-trauma Other 61120 Burr hole(s) for ventricular puncture (including injection of gas, contrast media, dye, or radioactive material) 61154 Burr hole(s) with evacuation and/or drainage of hematoma, extradural or subdural 61155 Burr hole(s) with aspiration of hematoma or cyst, intracerebral 61250 Burr hole(s) or trephine, supratentorial, exploratory, not followed by other surgery 61253 Burr hole(s) or trephine, infratentorial, unilateral or bilateral 61304 Craniectomy or craniotomy, exploratory; supratentorial 61305 Craniectomy or craniotomy, exploratory; infratentorial (posterior fossa) 61306 Exploration of orbit (transcranial approach); with removal of foreign body Cranioplasty 61316 Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) 62140 Cranioplasty for skull defect; up to 5 cm diameter 62141 Cranioplasty for skull defect; larger than 5 cm diameter 62142 Removal of bone flap or prosthetic plate of skull 62143 Replacement of bone flap or prosthetic plate of skull 62144 Replacement of bone flap or prosthetic plate of skull 62145 Incision and retrieval of subcutaneous cranial bone graft for cranioplasty (List separately in addition to code for primary procedure) 6330 Decompression of orbit only, transcranial approach 6330 Decompression of orbit only, transcranial approach 6330 Craniectomy; for osteomyelitis		
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Replacement of bone flap or prosthetic plate of skull Incision and retrieval of subcutaneous cranial bone graft for cranioplasty (List separately in addition to code for primary procedure) Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Incision and subcutaneous placement of orbit only, transcranial approach Incision and retrieval of subcutaneous placement of orbit only, transcranial approach Incision and retrieval of subcutaneous placement of orbit only addition to code for primary procedure) Incision and retrieval of subcutaneous placement of orbit only addition to code for primary procedure) Incision and retrieval of subcutaneous placement of orbit only addition to code for primary procedure) Incision and retrieval of subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Incision and retrieval of subcutaneous placement of orbit only addition to code for primary procedure) Incision and retrieval of subcutaneous placement of orbit only addition to code for primary procedure) Incision and retrieval of subcutaneous placement of orbit only addition to code for primary procedure) Incision and subcutaneous placement of orbit only addition to code for primary procedure) Incision and subcutaneous placement of orbit only addition to code for primary procedure) Incision and subcutaneous placement of orbit only addition to code for primary procedure) Incision and subcutaneous placement of orbit only addition to code for primary procedure) Incision and subcutaneous placement of orbit only addition to code for primary procedure) Incision and subcutaneous p	62141	Cranioplasty for skull defect; larger than 5 cm diameter
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Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Decompression of orbit only, transcranial approach Craniectomy; for osteomyelitis Craniectomy; for osteomyelitis Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of associated intraparenchymal hematoma; without lobectomy Open treatment of depressed frontal sinus fracture	62143	Replacement of bone flap or prosthetic plate of skull
Depressed Skull Fracture or Extra-Axial Hematoma Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of associated intraparenchymal hematoma; without lobectomy Open treatment of depressed frontal sinus fracture	62148	Incision and retrieval of subcutaneous cranial bone graft for cranioplasty (List separately in addition to code for primary procedure)
Craniectomy; for osteomyelitis Depressed Skull Fracture or Extra-Axial Hematoma Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of associated intraparenchymal hematoma; without lobectomy Open treatment of depressed frontal sinus fracture	61316	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure)
Depressed Skull Fracture or Extra-Axial Hematoma Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of associated intraparenchymal hematoma; without lobectomy Open treatment of depressed frontal sinus fracture	61330	Decompression of orbit only, transcranial approach
Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of associated intraparenchymal hematoma; without lobectomy Open treatment of depressed frontal sinus fracture	61501	Craniectomy; for osteomyelitis
associated intraparenchymal hematoma; without lobectomy Open treatment of depressed frontal sinus fracture	Depressed Skull Fracture or Extra-Axial Hematoma	
associated intraparenchymal hematoma; without lobectomy 21343 Open treatment of depressed frontal sinus fracture	64222	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of
	61322	associated intraparenchymal hematoma; without lobectomy
21344 Open treatment of complicated (eg, comminuted or involving posterior wall) frontal sinus fracture, via coronal or multiple approaches	-	
	21344	Open treatment of complicated (eg, comminuted or involving posterior wall) frontal sinus fracture, via coronal or multiple approaches

61108	Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for evacuation and/or drainage of subdural hematoma
61312	Craniectomy or craniotomy for evacuation of hematoma, supratentorial; extradural or subdural
61314	Craniectomy or craniotomy for evacuation of hematoma, infratentorial; extradural or subdural
62000	Elevation of depressed skull fracture; simple, extradural
62005	Elevation of depressed skull fracture; compound or comminuted, extradural
62010	Elevation of depressed skull fracture; with repair of dura and/or debridement of brain
62100	Craniotomy for repair of dural/cerebrospinal fluid leak, including surgery for rhinorrhea/otorrhea
Cranic	ectomy for Abscess, Contusion or Parenchymal Hematoma
61313	Craniectomy or craniotomy for evacuation of hematoma, supratentorial; intracerebral
61315	Craniectomy or craniotomy for evacuation of hematoma, infratentorial; intracerebellar
61320	Craniectomy or craniotomy, drainage of intracranial abscess; supratentorial
61321	Craniectomy or craniotomy, drainage of intracranial abscess; infratentorial
61322	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of
01322	associated intraparenchymal hematoma; without lobectomy
61323	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of
01323	associated intraparenchymal hematoma; with lobectomy
61514	Craniectomy, trephination, bone flap craniotomy; for excision of brain abscess, supratentorial
61516	Craniectomy, trephination, bone flap craniotomy; for excision or fenestration of cyst, supratentorial
61522	Craniectomy, infratentorial or posterior fossa; for excision of brain abscess
61570	Craniectomy or craniotomy; with excision of foreign body from brain
61571	Craniectomy or craniotomy; with treatment of penetrating wound of brain
62163	Neuroendoscopy, intracranial; with retrieval of foreign body
DC	3a Adult Craniotomy for Intracranial Vascular Lesion
Other	
61597	Transcondylar (far lateral) approach to posterior cranial fossa, jugular foramen or midline skull base, including occipital condylectomy,
01337	mastoidectomy, resection of C1-C3 vertebral body(s), decompression of vertebral artery, with or without mobilization
61598	Transpetrosal approach to posterior cranial fossa, clivus or foramen magnum, including ligation of superior petrosal sinus and/or sigmoid sinus
61609	Transection or ligation, carotid artery in cavernous sinus; without repair (List separately in addition to code for primary procedure)
61610	Transection or ligation, carotid artery in cavernous sinus; with repair by anastomosis or graft (List separately in addition to code for primary procedure)

procedure) AVM 51680 Surgery of intracranial arteriovenous malformation; supratentorial, simple 51682 Surgery of intracranial arteriovenous malformation; supratentorial, complex 51684 Surgery of intracranial arteriovenous malformation; infratentorial, simple 51685 Surgery of intracranial arteriovenous malformation; infratentorial, complex 51690 Surgery of intracranial arteriovenous malformation; dural, simple 51691 Surgery of intracranial arteriovenous malformation; dural, simple 51692 Surgery of intracranial arteriovenous malformation; dural, complex Aneurysm 51703 Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51708 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis 51613 Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus 516197 Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation 51700 Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation 51701 Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation 51702 Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51708 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51708 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for tumor destruction, to achiev		
procedure) AVM Singery of intracranial arteriovenous malformation; supratentorial, simple	61611	
Surgery of intracranial arteriovenous malformation; supratentorial, simple Surgery of intracranial arteriovenous malformation; supratentorial, complex Surgery of intracranial arteriovenous malformation; infratentorial, simple Surgery of intracranial arteriovenous malformation; infratentorial, simple Surgery of intracranial arteriovenous malformation; infratentorial, complex Surgery of intracranial arteriovenous malformation; dural, simple Surgery of intracranial arteriovenous malformation; dural, simple Surgery of intracranial arteriovenous malformation; dural, complex Aneurysm Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial aneurysm, occlude a vascular malformation, percutaneous, any method; central nervous system (intracranial, spi	61612	
Surgery of intracranial arteriovenous malformation; supratentorial, complex Surgery of intracranial arteriovenous malformation; infratentorial, simple Surgery of intracranial arteriovenous malformation; infratentorial, complex Surgery of intracranial arteriovenous malformation; dural, simple Surgery of intracranial arteriovenous malformation; dural, simple Surgery of intracranial arteriovenous malformation; dural, simple Surgery of intracranial arteriovenous malformation; dural, complex Aneurysm Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion Transcatheter permanent occlusion or embolization (eg, for tumor destructio	AVM	
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Surgery of intracranial arteriovenous malformation; dural, simple Surgery of intracranial arteriovenous malformation; dural, complex Aneurysm Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; contral nervous system, head or neck (extracranial, brac	61684	Surgery of intracranial arteriovenous malformation; infratentorial, simple
Aneurysm 11703 Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) 11703 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11703 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11703 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial all electrothrombosis 11704 Surgery of camplex intracranial aneurysm, anteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus 11705 Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation 11706 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 11705 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 11705 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 11705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11706 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11706 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 11706 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion or endolization or en	61686	Surgery of intracranial arteriovenous malformation; infratentorial, complex
Aneurysm 51703 Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51708 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis 51613 Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus 516193 Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation 51700 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 51701 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 51702 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 51703 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51708 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61690	Surgery of intracranial arteriovenous malformation; dural, simple
Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type) Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61692	Surgery of intracranial arteriovenous malformation; dural, complex
Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation Surgery of fomplex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system, (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	Aneu	rysm
Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis 51613 Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus 51697 Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation 51698 Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation 51700 Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation 51702 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 51705 Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51705 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery 51708 Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM 51624 Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61703	Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type)
Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61705	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery
Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61708	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis
Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61613	Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus
Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61697	Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation
Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61698	Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation
Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61700	Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation
Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61702	Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation
Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61705	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery
DC3b Endovascular Therapy for Tumor or Vascular Lesion AVM Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61705	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery
Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61708	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis
Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	DC	3b Endovascular Therapy for Tumor or Vascular Lesion
percutaneous, any method; central nervous system (intracranial, spinal cord) Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	AVM	
percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch) Aneurysm	61624	
	61626	
75894 Transcatheter therapy, embolization, any method, radiological supervision and interpretation	Aneu	rysm

61624	Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation),
	percutaneous, any method; central nervous system (intracranial, spinal cord)
Tumo	r Embo, Thrombectomy, Vasospasm and Intracranial Stenting
61623	Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be
01023	occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su
75896	Transcatheter therapy, infusion, any method (eg, thrombolysis other than coronary), radiological supervision and interpretation
75962	Transluminal balloon angioplasty, peripheral artery, radiological supervision and interpretation
37184	Primary percutaneous transluminal mechanical thrombectomy, noncoronary, arterial or arterial bypass graft, including fluoroscopic guidance and
3/104	intraprocedural pharmacological thrombolytic injection(s); initial vessel
37185	Primary percutaneous transluminal mechanical thrombectomy, noncoronary, arterial or arterial bypass graft, including fluoroscopic guidance and
3/165	intraprocedural pharmacological thrombolytic injection(s); second and all subsequent vessel(s) within the same va
37186	Secondary percutaneous transluminal thrombectomy (eg, nonprimary mechanical, snare basket, suction technique), noncoronary, arterial or
3/100	arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injections, prov
37195	Thrombolysis, cerebral, by intravenous infusion
37201	Transcatheter therapy, infusion for thrombolysis other than coronary
37202	Transcatheter therapy, infusion other than for thrombolysis, any type (eg, spasmolytic, vasoconstrictive)
37204	Transcatheter occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation), percutaneous, any
37204	method, non-central nervous system, non-head or neck
37205	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, and vertebral vessel), percutaneous; initial vessel
37206	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, and vertebral vessel), percutaneous; each additional vessel (List
37200	separately in addition to code for primary procedure)
37207	Transcatheter placement of an intravascular stent(s) (non-coronary vessel), open; initial vessel
37209	Exchange of a previously placed intravascular catheter during thrombolytic therapy
37202	Transcatheter therapy, infusion other than for thrombolysis, any type (eg, spasmolytic, vasoconstrictive)
61626	Transcatheter permanent occlusion or embolization (eg, for tumor destruction, to achieve hemostasis, to occlude a vascular malformation),
01020	percutaneous, any method; non-central nervous system, head or neck (extracranial, brachiocephalic branch)
61635	Transcatheter placement of intravascular stent(s), intracranial (eg, atherosclerotic stenosis), including balloon angioplasty, if performed
61640	Balloon dilatation of intracranial vasospasm, percutaneous; initial vessel
61641	Balloon dilatation of intracranial vasospasm, percutaneous; each additional vessel in same vascular family (List separately in addition to code for
	primary procedure)
61642	Balloon dilatation of intracranial vasospasm, percutaneous; each additional vessel in different vascular family (List separately in addition to code for
	primary procedure)

61630	Balloon angioplasty, intracranial (eg, atherosclerotic stenosis), percutaneous
61635	Transcatheter placement of intravascular stent(s), intracranial (eg, atherosclerotic stenosis), including balloon angioplasty, if performed
61640	Balloon dilatation of intracranial vasospasm, percutaneous; initial vessel
61641	Balloon dilatation of intracranial vasospasm, percutaneous; each additional vessel in same vascular family (List separately in addition to code for
01041	primary procedure)
61642	Balloon dilatation of intracranial vasospasm, percutaneous; each additional vessel in different vascular family (List separately in addition to code for
01042	primary procedure)
75894	Transcatheter therapy, embolization, any method, radiological supervision and interpretation
75896	Transcatheter therapy, infusion, any method (eg, thrombolysis other than coronary), radiological supervision and interpretation
75896	Transcatheter therapy, infusion, any method (eg, thrombolysis other than coronary), radiological supervision and interpretation
75898	Angiography through existing catheter for follow-up study for transcatheter therapy, embolization or infusion
DC	4 Adult craniotomy-pain
	Craniectomy, subtemporal, for section, compression, or decompression of sensory root of gasserian ganglion
_	Craniectomy, suboccipital; for exploration or decompression of cranial nerves
	Craniectomy, suboccipital; for section of one or more cranial nerves
	Craniectomy, suboccipital; for medullary tractotomy
-	Craniectomy, suboccipital; for mesencephalic tractotomy or pedunculotomy
DC	5 Adult cranial-transphenoidal-sellar/parasellar tumors
61583	Craniofacial approach to anterior cranial fossa; intradural, including unilateral or bifrontal craniotomy, elevation or resection of frontal lobe, osteotomy of base of anterior cranial fossa
61584	Orbitocranial approach to anterior cranial fossa, extradural, including supraorbital ridge osteotomy and elevation of frontal and/or temporal lobe(s); without orbital exenteration
31290	Nasal/sinus endoscopy, surgical, with repair of cerebrospinal fluid leak; ethmoid region
31291	Nasal/sinus endoscopy, surgical, with repair of cerebrospinal fluid leak; sphenoid region
61545	Craniotomy with elevation of bone flap; for excision of craniopharyngioma
61546	Craniotomy for hypophysectomy or excision of pituitary tumor, intracranial approach
61548	Hypophysectomy or excision of pituitary tumor, transnasal or transseptal approach, nonstereotactic
61575	Transoral approach to skull base, brain stem or upper spinal cord for biopsy, decompression or excision of lesion;

61576	Transoral approach to skull base, brain stem or upper spinal cord for biopsy, decompression or excision of lesion; requiring splitting of tongue
	and/or mandible (including tracheostomy)
61610	Secondary repair of dura for cerebrospinal fluid leak, anterior, middle or posterior cranial fossa following surgery of the skull base; by free tissue graft (eg, pericranium, fascia, tensor fascia lata, adipose tissue, homologous or synthetic grafts)
01018	graft (eg, pericranium, fascia, tensor fascia lata, adipose tissue, homologous or synthetic grafts)
61610	Secondary repair of dura for cerebrospinal fluid leak, anterior, middle or posterior cranial fossa following surgery of the skull base; by local or regionalized vascularized pedicle flap or myocutaneous flap (including galea, temporalis, frontalis or occip
01019	regionalized vascularized pedicle flap or myocutaneous flap (including galea, temporalis, frontalis or occip
62165	Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach

DC6 Adult cranial-extracranial vascular procedures

Transection or ligation, carotid artery in cavernous sinus; without repair (List separately in addition to code for primary procedure) Transection or ligation, carotid artery in cavernous sinus; with repair by anastomosis or graft (List separately in addition to code for primary procedure) Transection or ligation, carotid artery in petrous canal; without repair (List separately in addition to code for primary procedure) Transection or ligation, carotid artery in petrous canal; with repair by anastomosis or graft (List separately in addition to code for primary procedure) Transection or ligation, carotid artery in petrous canal; with repair by anastomosis or graft (List separately in addition to code for primary procedure) Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Bepair, congenital arteriovenous fistula; head and neck Rep	Bypas	s, CEA, Ligation
procedure) 61611 Transection or ligation, carotid artery in petrous canal; without repair (List separately in addition to code for primary procedure) 61612 Transection or ligation, carotid artery in petrous canal; with repair by anastomosis or graft (List separately in addition to code for primary procedure) 37215 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection 37216 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection 61623 Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su 34001 Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck 35181 Repair, acquired or traumatic arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	61609	Transection or ligation, carotid artery in cavernous sinus; without repair (List separately in addition to code for primary procedure)
procedure) 61611 Transection or ligation, carotid artery in petrous canal; without repair (List separately in addition to code for primary procedure) Transection or ligation, carotid artery in petrous canal; with repair by anastomosis or graft (List separately in addition to code for primary procedure) 37215 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection 37216 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	61610	Transection or ligation, carotid artery in cavernous sinus; with repair by anastomosis or graft (List separately in addition to code for primary
Transection or ligation, carotid artery in petrous canal; with repair by anastomosis or graft (List separately in addition to code for primary procedure) 37215 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection 37216 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection 61623 Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su 34001 Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision 35001 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision 35002 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision 35005 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	01010	procedure)
procedure) 37215 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection 37216 Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection 61623 Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su 34001 Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision 35001 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision 35002 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision 35005 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	61611	Transection or ligation, carotid artery in petrous canal; without repair (List separately in addition to code for primary procedure)
Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Solvation artery of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	61612	
Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Billot provided in provide	37215	Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection
occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su 34001 Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Direct repair of aneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	37216	Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection
occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su 34001 Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	61622	Endovascular temporary balloon arterial occlusion, head or neck (extracranial/intracranial) including selective catheterization of vessel to be
Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	01023	occluded, positioning and inflation of occlusion balloon, concomitant neurological monitoring, and radiologic su
associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	34001	Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision
associated occlusive disease, carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurys carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	25001	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and
carotid, subclavian artery, by neck incision Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	33001	associated occlusive disease, carotid, subclavian artery, by neck incision
Carotid, subclavian artery, by neck incision 35005 Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm, pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck 35188 Repair, acquired or traumatic arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	25003	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm,
pseudoaneurysm, and associated occlusive disease, vertebral artery Repair, congenital arteriovenous fistula; head and neck Repair, acquired or traumatic arteriovenous fistula; head and neck Repair blood vessel, direct; neck	33002	carotid, subclavian artery, by neck incision
pseudoaneurysm, and associated occlusive disease, vertebral artery 35180 Repair, congenital arteriovenous fistula; head and neck 35188 Repair, acquired or traumatic arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	25005	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm,
35188 Repair, acquired or traumatic arteriovenous fistula; head and neck 35201 Repair blood vessel, direct; neck	33003	pseudoaneurysm, and associated occlusive disease, vertebral artery
35201 Repair blood vessel, direct; neck	35180	Repair, congenital arteriovenous fistula; head and neck
	35188	Repair, acquired or traumatic arteriovenous fistula; head and neck
35231 Repair blood vessel with vein graft; neck	35201	Repair blood vessel, direct; neck
1 1 0 - 7	35231	Repair blood vessel with vein graft; neck

35261	Repair blood vessel with graft other than vein; neck
35301	Thromboendarterectomy, including patch graft, if performed; carotid, vertebral, subclavian, by neck incision
35390	Reoperation, carotid, thromboendarterectomy, more than one month after original operation (List separately in addition to code for primary
33330	procedure)
35501	Bypass graft, with vein; common carotid-ipsilateral internal carotid
35506	Bypass graft, with vein; carotid-subclavian or subclavian-carotid
35508	Bypass graft, with vein; carotid-vertebral
35509	Bypass graft, with vein; carotid-contralateral carotid
35510	Bypass graft, with vein; carotid-brachial
35515	Bypass graft, with vein; subclavian-vertebral
-	Bypass graft, with vein; aortosubclavian or carotid
	Bypass graft, with other than vein; common carotid-ipsilateral internal carotid
35606	Bypass graft, with other than vein; carotid-subclavian
35626	Bypass graft, with other than vein; aortosubclavian or carotid
35642	Bypass graft, with other than vein; carotid-vertebral
35645	Bypass graft, with other than vein; subclavian-vertebral
35691	Transposition and/or reimplantation; vertebral to carotid artery
	Transposition and/or reimplantation; vertebral to subclavian artery
	Transposition and/or reimplantation; subclavian to carotid artery
	Transposition and/or reimplantation; carotid to subclavian artery
35701	Exploration (not followed by surgical repair), with or without lysis of artery; carotid artery
	Exploration for postoperative hemorrhage, thrombosis or infection; neck
35875	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula);
	Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; with distal embolic protection
37216	Transcatheter placement of intravascular stent(s), cervical carotid artery, percutaneous; without distal embolic protection
37565	Ligation, internal jugular vein
-	Ligation; external carotid artery
37605	Ligation; internal or common carotid artery
	Ligation; internal or common carotid artery, with gradual occlusion, as with Selverstone or Crutchfield clamp
	Ligation or biopsy, temporal artery
	Ligation, major artery (eg, post-traumatic, rupture); neck
60600	Excision of carotid body tumor; without excision of carotid artery

60605	Excision of carotid body tumor; with excision of carotid artery
61711	Anastomosis, arterial, extracranial-intracranial (eg, middle cerebral/cortical) arteries
61711	Anastomosis, arterial, extracranial-intracranial (eg, middle cerebral/cortical) arteries
Endo	vascular (CAS)
0075T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; initial vessel
0076Т	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; each additional vessel (List separately in addition to code for primary procedure)
35475	Transluminal balloon angioplasty, percutaneous; brachiocephalic trunk or branches, each vessel
35476	Transluminal balloon angioplasty, percutaneous; venous
DC	7 Adult radiosurgery
61795	Stereotactic computer-assisted volumetric (navigational) procedure, intracranial, extracranial, or spinal (List separately in addition to code for primary procedure)
61770	Stereotactic localization, including burr hole(s), with insertion of catheter(s) or probe(s) for placement of radiation source
61795	Stereotactic computer-assisted volumetric (navigational) procedure, intracranial, extracranial, or spinal (List separately in addition to code for primary procedure)
61797	Stereotactic radiosurgery (particle beam, gamma ray, or linear accelerator); each additional cranial lesion, simple (List separately in addition to code for primary procedure)
61798	Stereotactic radiosurgery (particle beam, gamma ray, or linear accelerator); 1 complex cranial lesion
61799	Stereotactic radiosurgery (particle beam, gamma ray, or linear accelerator); each additional cranial lesion, complex (List separately in addition to code for primary procedure)
63600	Creation of lesion of spinal cord by stereotactic method, percutaneous, any modality (including stimulation and/or recording)
63620	Stereotactic radiosurgery (particle beam, gamma ray, or linear accelerator); 1 spinal lesion
63621	Stereotactic radiosurgery (particle beam, gamma ray, or linear accelerator); each additional spinal lesion (List separately in addition to code for primary procedure)
76376	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality; not requiring image postprocessing on an independent workstation
76377	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality; requiring image postprocessing on an independent workstation
77432	Stereotactic radiation treatment management of cranial lesion(s) (complete course of treatment consisting of 1 session)

	Intra-fraction localization and tracking of target or patient motion during delivery of radiation therapy (eg, 3D positional tracking, gating, 3D surface
0197T	tracking), each fraction of treatment
	-
DC	8 Adult functional procedures
Vagal	Nerve Stimulation
64573	Incision for implantation of neurostimulator electrodes; cranial nerve
Stimu	lation for Pain
63610	Stereotactic stimulation of spinal cord, percutaneous, separate procedure not followed by other surgery
63650	Percutaneous implantation of neurostimulator electrode array, epidural
63655	Laminectomy for implantation of neurostimulator electrodes, plate/paddle, epidural
63660	Revision or removal of spinal neurostimulator electrode percutaneous array(s) or plate/paddle(s)
63685	Insertion or replacement of spinal neurostimulator pulse generator or receiver, direct or inductive coupling
63688	Revision or removal of implanted spinal neurostimulator pulse generator or receiver
	Removal of spinal neurostimulator electrode percutaneous array(s), including fluoroscopy, when performed
63662	Removal of spinal neurostimulator electrode plate/paddle(s) placed via laminotomy or laminectomy, including fluoroscopy, when performed
63663	Revision including replacement, when performed, of spinal neurostimulator electrode percutaneous array(s), including fluoroscopy, when
	performed
63664	Revision including replacement, when performed, of spinal neurostimulator electrode plate/paddle(s) placed via laminotomy or laminectomy,
	including fluoroscopy, when performed Percutaneous implantation of neurostimulator electrodes; sacral nerve (transforaminal placement)
	Percutaneous implantation of neurostimulator electrodes; neuromuscular
	Percutaneous implantation of neurostimulator electrodes; cranial nerve
	r Lesioning
	Creation of lesion by stereotactic method, including burr hole(s) and localizing and recording techniques, single or multiple stages; globus pallidus
61720	or thalamus
61735	Creation of lesion by stereotactic method, including burr hole(s) and localizing and recording techniques, single or multiple stages; subcortical
	structure(s) other than globus pallidus or thalamus
C4005	Insertion or replacement of cranial neurostimulator pulse generator or receiver, direct or inductive coupling; with connection to a single electrode
61885	array
618861	Insertion or replacement of cranial neurostimulator pulse generator or receiver, direct or inductive coupling; with connection to two or more
	electrode arrays

61888	Revision or removal of cranial neurostimulator pulse generator or receiver		
Cordo	Cordotomy/Rhizotomy		
63185	Laminectomy with rhizotomy; 1 or 2 segments		
63190	Laminectomy with rhizotomy; more than 2 segments		
63191	Laminectomy with section of spinal accessory nerve		
63194	Laminectomy with cordotomy, with section of 1 spinothalamic tract, 1 stage; cervical		
63195	Laminectomy with cordotomy, with section of 1 spinothalamic tract, 1 stage; thoracic		
63196	Laminectomy with cordotomy, with section of both spinothalamic tracts, 1 stage; cervical		
63197	Laminectomy with cordotomy, with section of both spinothalamic tracts, 1 stage; thoracic		
63198	Laminectomy with cordotomy with section of both spinothalamic tracts, 2 stages within 14 days; cervical		
63199	Laminectomy with cordotomy with section of both spinothalamic tracts, 2 stages within 14 days; thoracic		
63170	Laminectomy with myelotomy (eg, Bischof or DREZ type), cervical, thoracic, or thoracolumbar		
Sympa	athectomy		
32664	Thoracoscopy, surgical; with thoracic sympathectomy		
21616	Excision first and/or cervical rib; with sympathectomy		
64802	Sympathectomy, cervical		
64804	Sympathectomy, cervicothoracic		
64809	Sympathectomy, thoracolumbar		
64818	Sympathectomy, lumbar		
	Sympathectomy; digital arteries, each digit		
-	Sympathectomy; radial artery		
64822	Sympathectomy; ulnar artery		
64823	Sympathectomy; superficial palmar arch		
Intrat	hecal and Implantable Pumps		
62360	Implantation or replacement of device for intrathecal or epidural drug infusion; subcutaneous reservoir		
62361	Implantation or replacement of device for intrathecal or epidural drug infusion; nonprogrammable pump		
62362	Implantation or replacement of device for intrathecal or epidural drug infusion; programmable pump, including preparation of pump, with or		
02302	without programming		
62365	Removal of subcutaneous reservoir or pump, previously implanted for intrathecal or epidural infusion		
64560	Percutaneous implantation of neurostimulator electrodes; autonomic nerve		
64575	Incision for implantation of neurostimulator electrodes; peripheral nerve (excludes sacral nerve)		

64577	Incision for implantation of neurostimulator electrodes; autonomic nerve
64580	Incision for implantation of neurostimulator electrodes; neuromuscular
64581	Incision for implantation of neurostimulator electrodes; sacral nerve (transforaminal placement)
64585	Revision or removal of peripheral neurostimulator electrodes
64590	Insertion or replacement of peripheral or gastric neurostimulator pulse generator or receiver, direct or inductive coupling
64595	Revision or removal of peripheral or gastric neurostimulator pulse generator or receiver
64612	Chemodenervation of muscle(s); muscle(s) innervated by facial nerve (eg, for blepharospasm, hemifacial spasm)
64613	Chemodenervation of muscle(s); neck muscle(s) (eg, for spasmodic torticollis, spasmodic dysphonia)
64614	Chemodenervation of muscle(s); extremity(s) and/or trunk muscle(s) (eg, for dystonia, cerebral palsy, multiple sclerosis)
Other	Adult Functional Procedures
61790	Creation of lesion by stereotactic method, percutaneous, by neurolytic agent (eg, alcohol, thermal, electrical, radiofrequency); gasserian ganglion
61791	Creation of lesion by stereotactic method, percutaneous, by neurolytic agent (eg, alcohol, thermal, electrical, radiofrequency); trigeminal medullary tract
64600	Destruction by neurolytic agent, trigeminal nerve; supraorbital, infraorbital, mental, or inferior alveolar branch
64605	Destruction by neurolytic agent, trigeminal nerve; second and third division branches at foramen ovale
64610	Destruction by neurolytic agent, trigeminal nerve; second and third division branches at foramen ovale under radiologic monitoring
11981	Insertion, non-biodegradable drug delivery implant
11982	Removal, non-biodegradable drug delivery implant
11983	Removal with reinsertion, non-biodegradable drug delivery implant
0266T	Implantation or replacement of carotid sinus baroreflex activation device; total system (includes generator placement, unilateral or bilateral lead placement, intra-operative interrogation, programming, and repositioning, when performed)
0267T	Implantation or replacement of carotid sinus baroreflex activation device; lead only, unilateral (includes intra-operative interrogation, programming, and repositioning, when performed)
0268T	Implantation or replacement of carotid sinus baroreflex activation device; pulse generator only (includes intra-operative interrogation, programming, and repositioning, when performed)
0269T	Revision or removal of carotid sinus baroreflex activation device; total system (includes generator placement, unilateral or bilateral lead placement, intra-operative interrogation, programming, and repositioning, when performed)
0270T	Revision or removal of carotid sinus baroreflex activation device; lead only, unilateral (includes intra-operative interrogation, programming, and repositioning, when performed)
0271T	Revision or removal of carotid sinus baroreflex activation device; pulse generator only (includes intra-operative interrogation, programming, and repositioning, when performed)

0283T	Percutaneous or open implantation of neurostimulator electrode array(s), subcutaneous (peripheral subcutaneous field stimulation), including
02831	imaging guidance, when performed, cervical, thoracic or lumbar; permanent, with implantation of a pulse generator
02047	Revision or removal of pulse generator or electrodes, including imaging guidance, when performed, including addition of new electrodes, when
0284T	performed
0285T	Electronic analysis of implanted peripheral subcutaneous field stimulation pulse generator, with reprogramming when performed
DC	9 Adult VP shunt
VPS	
62223	Creation of shunt; ventriculo-peritoneal, -pleural, other terminus
62225	Replacement or irrigation, ventricular catheter
62230	Replacement or revision of cerebrospinal fluid shunt, obstructed valve, or distal catheter in shunt system
	Removal of complete cerebrospinal fluid shunt system; without replacement
62258	Removal of complete cerebrospinal fluid shunt system; with replacement by similar or other shunt at same operation
ETV	
62201	Ventriculocisternostomy, third ventricle; stereotactic, neuroendoscopic method
62200	Ventriculocisternostomy, third ventricle;
Other	CSF Diversion
61544	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus
62160	Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List
02100	separately in addition to code for primary procedure)
62161	Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement,
02101	replacement, or removal of ventricular catheter)
62162	Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage
62180	Ventriculocisternostomy (Torkildsen type operation)
62190	Creation of shunt; subarachnoid/subdural-atrial, -jugular, -auricular
62192	Creation of shunt; subarachnoid/subdural-peritoneal, -pleural, other terminus
62194	Replacement or irrigation, subarachnoid/subdural catheter
	Creation of shunt; ventriculo-atrial, -jugular, -auricular
63740	Creation of shunt, lumbar, subarachnoid-peritoneal, -pleural, or other; including laminectomy
63741	Creation of shunt, lumbar, subarachnoid-peritoneal, -pleural, or other; percutaneous, not requiring laminectomy
63744	Replacement, irrigation or revision of lumbosubarachnoid shunt

63746 Removal of entire lumbosubarachnoid shunt system without replacement

DC10 Adult spinal-Anterior Cervical Approaches for Decompression/Stabilization

22548	Arthrodesis, anterior transoral or extraoral technique, clivus-C1-C2 (atlas-axis), with or without excision of odontoid process
22554	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); cervical below C2
63078	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; thoracic, each additional interspace (List separately in addition to code for primary procedure)
63081	Vertebral corpectomy (vertebral body resection), partial or complete, anterior approach with decompression of spinal cord and/or nerve root(s); cervical, single segment
63082	Vertebral corpectomy (vertebral body resection), partial or complete, anterior approach with decompression of spinal cord and/or nerve root(s); cervical, each additional segment (List separately in addition to code for primary procedure)
22551	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophytectomy and decompression of spinal cord and/or nerve roots; cervical below C2
22552	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophytectomy and decompression of spinal cord and/or nerve roots; cervical below C2, each additional interspace (List separately in addition to code for separate procedure)
63300	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, cervical
22220	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; cervical
63304	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, cervical
63075	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; cervical, single interspace
63076	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; cervical, each additional interspace (List separately in addition to code for primary procedure)

DC11 Adult spinal-Posterior Cervical Approaches for Decompression/Stabilization and Cranio-Cervical Junction

Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, one fractured vertebra or dislocated segment; cervical

22318	Open treatment and/or reduction of odontoid fracture(s) and or dislocation(s) (including os odontoideum), anterior approach, including placement
22310	of internal fixation; without grafting
22319	Open treatment and/or reduction of odontoid fracture(s) and or dislocation(s) (including os odontoideum), anterior approach, including placement
22319	of internal fixation; with grafting
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
53020	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
33020	intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, cervical
22025	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
53035	intervertebral disc, including open and endoscopically-assisted approaches; each additional interspace, cervical or
53040	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
33040	intervertebral disc, reexploration, single interspace; cervical
53043	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
05045	intervertebral disc, reexploration, single interspace; each additional cervical interspace (List separately in addit
53045	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg,
03045	spinal or lateral recess stenosis]), single vertebral segment; cervical
53046	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg,
05040	spinal or lateral recess stenosis]), single vertebral segment; thoracic
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
33031	(including the application of bridging bone graft and non-segmental fixation devices (eg, wire, suture, mini-p
22633	Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy
22033	sufficient to prepare interspace (other than for decompression), single interspace and segment; lumbar
53001	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
33001	spinal stenosis), 1 or 2 vertebral segments; cervical
63015	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
22012	spinal stenosis), more than 2 vertebral segments; cervical
22210	Osteotomy of spine, posterior or posterolateral approach, one vertebral segment; cervical

DC12 Adult spinal-lumbar discectomy

spinal stenosis), 1 or 2 vertebral segments; lumbar, except for spondylolisthesis Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), 1 or 2 vertebral segments; sacral Laminectomy with removal of abnormal facets and/or pars inter-articularis with decompression of cauda equina and nerve roots for spondylolisthesis, lumbar (Gill type procedure) Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum	62005	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
spinal stenosis), 1 or 2 vertebral segments; sacral Laminectomy with removal of abnormal facets and/or pars inter-articularis with decompression of cauda equina and nerve roots for spondylolisthesis, lumbar (Gill type procedure) Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	63005	
spinal stenosis), 1 or 2 vertebral segments; sacral Laminectomy with removal of abnormal facets and/or pars inter-articularis with decompression of cauda equina and nerve roots for spondylolisthesis, lumbar (Gill type procedure) Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62011	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
spondylolisthesis, lumbar (Gill type procedure) Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03011	spinal stenosis), 1 or 2 vertebral segments; sacral
Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62012	Laminectomy with removal of abnormal facets and/or pars inter-articularis with decompression of cauda equina and nerve roots for
spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach)	03012	spondylolisthesis, lumbar (Gill type procedure)
spinal stenosis), more than 2 vertebral segments; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62017	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03017	spinal stenosis), more than 2 vertebral segments; lumbar
intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62020	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03030	intervertebral disc, including open and endoscopically-assisted approaches; 1 interspace, lumbar
intervertebral disc, reexploration, single interspace; lumbar Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62042	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03042	intervertebral disc, reexploration, single interspace; lumbar
intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62044	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated
spinal or lateral recess stenosis]), single vertebral segment; lumbar Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03044	intervertebral disc, reexploration, single interspace; each additional lumbar interspace (List separately in additio
[spinal or lateral recess stenosis]), single vertebral segment; lumbar 63048 Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62047	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg,
spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03047	spinal or lateral recess stenosis]), single vertebral segment; lumbar
[spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62049	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg,
(including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	03046	spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lum
(including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	62056	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar
DC13 Adult spinal-thoracic/lumbar instrumentation fusion	03030	(including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)
DC13 Adult spinal-thoracic/lumbar instrumentation fusion		12 Adult animal the marie /lumphen instrumentation function
	DC	13 Adult spinal-thoracic/lumbar instrumentation fusion

	20930	Allograft for spine surgery only; morselized (List separately in addition to code for primary procedure)
		Allograft for spine surgery only; structural (List separately in addition to code for primary procedure)
	20026	Autograft for spine surgery only (includes harvesting the graft); local (eg, ribs, spinous process, or laminar fragments) obtained from same incision (List separately in addition to code for primary procedure)
	20930	(List separately in addition to code for primary procedure)
	20027	Autograft for spine surgery only (includes harvesting the graft); morselized (through separate skin or fascial incision) (List separately in addition to
		Icode for primary procedure)
	20020	Autograft for spine surgery only (includes harvesting the graft); structural, bicortical or tricortical (through separate skin or fascial incision) (List
20930	20936	separately in addition to code for primary procedure)

20938	Autograft for spine surgery only (includes harvesting the graft); structural, bicortical or tricortical (through separate skin or fascial incision) (List
20330	separately in addition to code for primary procedure)
22325	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, one fractured vertebra or dislocated segment;
22323	lumbar
22327	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, one fractured vertebra or dislocated segment;
22327	thoracic
22328	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, one fractured vertebra or dislocated segment;
22320	each additional fractured vertebra or dislocated segment (List separately in addition to code for primary proc
22532	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic
22533	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); lumbar
22524	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic or
22534	lumbar, each additional vertebral segment (List separately in addition to code for primary procedure)
22524	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic or
22534	lumbar, each additional vertebral segment (List separately in addition to code for primary procedure)
22556	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic
22558	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); lumbar
22585	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); each additional
22363	interspace (List separately in addition to code for primary procedure)
22610	Arthrodesis, posterior or posterolateral technique, single level; thoracic (with or without lateral transverse technique)
22612	Arthrodesis, posterior or posterolateral technique, single level; lumbar (with or without lateral transverse technique)
22614	Arthrodesis, posterior or posterolateral technique, single level; each additional vertebral segment (List separately in addition to code for primary
22014	procedure)
22630	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single
22030	interspace; lumbar
22632	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single
22032	interspace; each additional interspace (List separately in addition to code for primary procedure)
22800	Arthrodesis, posterior, for spinal deformity, with or without cast; up to 6 vertebral segments
22802	Arthrodesis, posterior, for spinal deformity, with or without cast; 7 to 12 vertebral segments
22804	Arthrodesis, posterior, for spinal deformity, with or without cast; 13 or more vertebral segments
22808	Arthrodesis, anterior, for spinal deformity, with or without cast; 2 to 3 vertebral segments
22810	Arthrodesis, anterior, for spinal deformity, with or without cast; 4 to 7 vertebral segments
22812	Arthrodesis, anterior, for spinal deformity, with or without cast; 8 or more vertebral segments

63016	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
03010	spinal stenosis), more than 2 vertebral segments; thoracic
63003	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg,
03003	spinal stenosis), 1 or 2 vertebral segments; thoracic
22818	Kyphectomy, circumferential exposure of spine and resection of vertebral segment(s) (including body and posterior elements); single or 2 segments
22819	Kyphectomy, circumferential exposure of spine and resection of vertebral segment(s) (including body and posterior elements); 3 or more segments
22830	Exploration of spinal fusion
22840	Posterior non-segmental instrumentation (eg, Harrington rod technique, pedicle fixation across one interspace, atlantoaxial transarticular screw
22040	fixation, sublaminar wiring at C1, facet screw fixation) (List separately in addition to code for primary procedure
22841	Internal spinal fixation by wiring of spinous processes (List separately in addition to code for primary procedure)
22842	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 3 to 6 vertebral segments (List
22842	separately in addition to code for primary procedure)
22843	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 7 to 12 vertebral segments (List
22043	separately in addition to code for primary procedure)
22844	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 13 or more vertebral segments (List
22044	separately in addition to code for primary procedure)
22845	Anterior instrumentation; 2 to 3 vertebral segments (List separately in addition to code for primary procedure)
22846	Anterior instrumentation; 4 to 7 vertebral segments (List separately in addition to code for primary procedure)
22847	Anterior instrumentation; 8 or more vertebral segments (List separately in addition to code for primary procedure)
22848	Pelvic fixation (attachment of caudal end of instrumentation to pelvic bony structures) other than sacrum (List separately in addition to code for
22040	primary procedure)
22849	Reinsertion of spinal fixation device
22850	Removal of posterior nonsegmental instrumentation (eg, Harrington rod)
22851	Application of intervertebral biomechanical device(s) (eg, synthetic cage(s), threaded bone dowel(s), methylmethacrylate) to vertebral defect or
22031	interspace (List separately in addition to code for primary procedure)
22852	Removal of posterior segmental instrumentation
22855	Removal of anterior instrumentation
63085	Vertebral corpectomy (vertebral body resection), partial or complete, transthoracic approach with decompression of spinal cord and/or nerve
03063	root(s); thoracic, single segment

63086	Vertebral corpectomy (vertebral body resection), partial or complete, transthoracic approach with decompression of spinal cord and/or nerve
03080	root(s); thoracic, each additional segment (List separately in addition to code for primary procedure)
63087	Vertebral corpectomy (vertebral body resection), partial or complete, combined thoracolumbar approach with decompression of spinal cord, cauda
03087	equina or nerve root(s), lower thoracic or lumbar; single segment
63088	Vertebral corpectomy (vertebral body resection), partial or complete, combined thoracolumbar approach with decompression of spinal cord, cauda
03088	equina or nerve root(s), lower thoracic or lumbar; each additional segment (List separately in addition to code f
63090	Vertebral corpectomy (vertebral body resection), partial or complete, transperitoneal or retroperitoneal approach with decompression of spinal
03090	cord, cauda equina or nerve root(s), lower thoracic, lumbar, or sacral; single segment
63091	Vertebral corpectomy (vertebral body resection), partial or complete, transperitoneal or retroperitoneal approach with decompression of spinal
63091	cord, cauda equina or nerve root(s), lower thoracic, lumbar, or sacral; each additional segment (List separately
63101	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or
03101	nerve root(s) (eg, for tumor or retropulsed bone fragments); thoracic, single segment
63102	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or
03102	nerve root(s) (eg, for tumor or retropulsed bone fragments); lumbar, single segment
63103	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or
03103	nerve root(s) (eg, for tumor or retropulsed bone fragments); thoracic or lumbar, each additional segment (List sep
0221T	Placement of a posterior intrafacet implant(s), unilateral or bilateral, including imaging and placement of bone graft(s) or synthetic device(s), single
02211	level; lumbar
0222T	Placement of a posterior intrafacet implant(s), unilateral or bilateral, including imaging and placement of bone graft(s) or synthetic device(s), single
02221	level; each additional vertebral segment (List separately in addition to code for primary procedure)
63055	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment;
03033	thoracic
63057	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; each
03037	additional segment, thoracic or lumbar (List separately in addition to code for primary procedure)
63064	Costovertebral approach with decompression of spinal cord or nerve root(s) (eg, herniated intervertebral disc), thoracic; single segment
63066	Costovertebral approach with decompression of spinal cord or nerve root(s) (eg, herniated intervertebral disc), thoracic; each additional segment
03000	(List separately in addition to code for primary procedure)
63077	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; thoracic, single interspace
63078	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; thoracic, each additional interspace (List
03078	separately in addition to code for primary procedure)
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DC14 Adult spinal-peripheral nerve procedures

Neuro	Neurolysis/Transposition		
64727	Internal neurolysis, requiring use of operating microscope (List separately in addition to code for neuroplasty) (Neuroplasty includes external		
04/2/	neurolysis)		
64734	Transection or avulsion of; infraorbital nerve		
64736	Transection or avulsion of; mental nerve		
64738	Transection or avulsion of; inferior alveolar nerve by osteotomy		
64740	Transection or avulsion of; lingual nerve		
64742	Transection or avulsion of; facial nerve, differential or complete		
64744	Transection or avulsion of; greater occipital nerve		
64746	Transection or avulsion of; phrenic nerve		
64752	Transection or avulsion of; vagus nerve (vagotomy), transthoracic		
64755	Transection or avulsion of; vagus nerves limited to proximal stomach (selective proximal vagotomy, proximal gastric vagotomy, parietal cell		
04733	vagotomy, supra- or highly selective vagotomy)		
64760	Transection or avulsion of; vagus nerve (vagotomy), abdominal		
64761	Transection or avulsion of; pudendal nerve		
64763	Transection or avulsion of obturator nerve, extrapelvic, with or without adductor tenotomy		
64766	Transection or avulsion of obturator nerve, intrapelvic, with or without adductor tenotomy		
64772	Transection or avulsion of other spinal nerve, extradural		
Nerve	Repair		
64864	Suture of facial nerve; extracranial		
64865	Suture of facial nerve; infratemporal, with or without grafting		
64866	Anastomosis; facial-spinal accessory		
64868	Anastomosis; facial-hypoglossal		
64870	Anastomosis; facial-phrenic		
64702	Neuroplasty; digital, 1 or both, same digit		
64704	Neuroplasty; nerve of hand or foot		
64708	Neuroplasty, major peripheral nerve, arm or leg; other than specified		
64712	Neuroplasty, major peripheral nerve, arm or leg; sciatic nerve		
64713	Neuroplasty, major peripheral nerve, arm or leg; brachial plexus		

64714	Neuroplasty, major peripheral nerve, arm or leg; lumbar plexus
	Neuroplasty and/or transposition; cranial nerve (specify)
	Neuroplasty and/or transposition; ulnar nerve at elbow
	Neuroplasty and/or transposition; ulnar nerve at ensow Neuroplasty and/or transposition; ulnar nerve at wrist
	Neuroplasty and/or transposition; median nerve at carpal tunnel
_	Suture of digital nerve, hand or foot; 1 nerve
	Suture of digital nerve, hand or foot; each additional digital nerve (List separately in addition to code for primary procedure)
	Suture of one nerve; hand or foot, common sensory nerve
_	Suture of one nerve; median motor thenar
	Suture of one nerve; ulnar motor
-	Suture of each additional nerve, hand or foot (List separately in addition to code for primary procedure)
	Suture of each additional nerve, hand or foot (List separately in addition to code for primary procedure)
	Suture of each additional herve, hand of foot (List separately in addition to code for primary procedure) Suture of posterior tibial nerve
	'
-	Suture of major peripheral nerve, arm or leg, except sciatic; including transposition
	Suture of major peripheral nerve, arm or leg, except sciatic; without transposition
-	Suture of sciatic nerve
	Suture of each additional major peripheral nerve (List separately in addition to code for primary procedure)
_	Suture of each additional major peripheral nerve (List separately in addition to code for primary procedure)
	Suture of; brachial plexus
	Suture of; lumbar plexus
	Suture of nerve; requiring secondary or delayed suture (List separately in addition to code for primary neurorrhaphy)
	Suture of nerve; requiring extensive mobilization, or transposition of nerve (List separately in addition to code for nerve suture)
	Suture of nerve; requiring shortening of bone of extremity (List separately in addition to code for nerve suture)
	Nerve graft (includes obtaining graft), head or neck; up to 4 cm in length
	Nerve graft (includes obtaining graft), head or neck; more than 4 cm length
64890	Nerve graft (includes obtaining graft), single strand, hand or foot; up to 4 cm length
64891	Nerve graft (includes obtaining graft), single strand, hand or foot; more than 4 cm length
64892	Nerve graft (includes obtaining graft), single strand, arm or leg; up to 4 cm length
64893	Nerve graft (includes obtaining graft), single strand, arm or leg; more than 4 cm length
64895	Nerve graft (includes obtaining graft), multiple strands (cable), hand or foot; up to 4 cm length
64896	Nerve graft (includes obtaining graft), multiple strands (cable), hand or foot; more than 4 cm length
64897	Nerve graft (includes obtaining graft), multiple strands (cable), arm or leg; up to 4 cm length

64898	Nerve graft (includes obtaining graft), multiple strands (cable), arm or leg; more than 4 cm length
	Nerve graft, each additional nerve; single strand (List separately in addition to code for primary procedure)
64901	Nerve graft, each additional nerve; single strand (List separately in addition to code for primary procedure)
64902	Nerve graft, each additional nerve; multiple strands (cable) (List separately in addition to code for primary procedure)
64902	Nerve graft, each additional nerve; multiple strands (cable) (List separately in addition to code for primary procedure)
64905	Nerve pedicle transfer; first stage
64907	Nerve pedicle transfer; second stage
Peripl	heral Nerve tumor
64788	Excision of neurofibroma or neurolemmoma; cutaneous nerve
64790	Excision of neurofibroma or neurolemmoma; major peripheral nerve
64792	Excision of neurofibroma or neurolemmoma; extensive (including malignant type)
Other	Peripheral Nerve Procedures
20526	Injection, therapeutic (eg, local anesthetic, corticosteroid), carpal tunnel
20552	Injection(s); single or multiple trigger point(s), 1 or 2 muscle(s)
20553	Injection(s); single or multiple trigger point(s), 3 or more muscle(s)
20612	Aspiration and/or injection of ganglion cyst(s) any location
21615	Excision first and/or cervical rib;
21700	Division of scalenus anticus; without resection of cervical rib
21705	Division of scalenus anticus; with resection of cervical rib
21720	Division of sternocleidomastoid for torticollis, open operation; without cast application
21725	Division of sternocleidomastoid for torticollis, open operation; with cast application
62263	Percutaneous lysis of epidural adhesions using solution injection (eg, hypertonic saline, enzyme) or mechanical means (eg, catheter) including
62263	radiologic localization (includes contrast when administered), multiple adhesiolysis sessions; 2 or more days
62264	Percutaneous lysis of epidural adhesions using solution injection (eg, hypertonic saline, enzyme) or mechanical means (eg, catheter) including
02204	radiologic localization (includes contrast when administered), multiple adhesiolysis sessions; 1 day
62268	Percutaneous aspiration, spinal cord cyst or syrinx
	Percutaneous implantation of neurostimulator electrodes; peripheral nerve (excludes sacral nerve)
64722	Decompression; unspecified nerve(s) (specify)
64726	Decompression; plantar digital nerve
64732	Transection or avulsion of; supraorbital nerve
64774	Excision of neuroma; cutaneous nerve, surgically identifiable

64776	Excision of neuroma; digital nerve, 1 or both, same digit
64778	Excision of neuroma; digital nerve, each additional digit (List separately in addition to code for primary procedure)
64782	Excision of neuroma; hand or foot, except digital nerve
64783	Excision of neuroma; hand or foot, each additional nerve, except same digit (List separately in addition to code for primary procedure)
64784	Excision of neuroma; major peripheral nerve, except sciatic
64786	Excision of neuroma; sciatic nerve
64771	Transection or avulsion of other cranial nerve, extradural
64787	Implantation of nerve end into bone or muscle (List separately in addition to neuroma excision)
64705	Pioney of norvo

DC15 Pediatric craniotomy-brain tumor

61590	Infratemporal pre-auricular approach to middle cranial fossa (parapharyngeal space, infratemporal and midline skull base, nasopharynx), with or
01390	without disarticulation of the mandible, including parotidectomy, craniotomy, decompression and/or mobilization
61591	Infratemporal post-auricular approach to middle cranial fossa (internal auditory meatus, petrous apex, tentorium, cavernous sinus, parasellar area,
01391	infratemporal fossa) including mastoidectomy, resection of sigmoid sinus, with or without decompression and/
61592	Orbitocranial zygomatic approach to middle cranial fossa (cavernous sinus and carotid artery, clivus, basilar artery or petrous apex) including
01392	osteotomy of zygoma, craniotomy, extra- or intradural elevation of temporal lobe
61595	Transtemporal approach to posterior cranial fossa, jugular foramen or midline skull base, including mastoidectomy, decompression of sigmoid sinus
01393	and/or facial nerve, with or without mobilization
61596	Transcochlear approach to posterior cranial fossa, jugular foramen or midline skull base, including labyrinthectomy, decompression, with or without
01390	mobilization of facial nerve and/or petrous carotid artery
61507	Transcondylar (far lateral) approach to posterior cranial fossa, jugular foramen or midline skull base, including occipital condylectomy,
61597	mastoidectomy, resection of C1-C3 vertebral body(s), decompression of vertebral artery, with or without mobilization
61598	Transpetrosal approach to posterior cranial fossa, clivus or foramen magnum, including ligation of superior petrosal sinus and/or sigmoid sinus
64.604	Resection or excision of neoplastic, vascular or infectious lesion of base of anterior cranial fossa; intradural, including dural repair, with or without
61601	graft
C1 COC	Resection or excision of neoplastic, vascular or infectious lesion of infratemporal fossa, parapharyngeal space, petrous apex; intradural, including
61606	dural repair, with or without graft
61615	Resection or excision of neoplastic, vascular or infectious lesion of base of posterior cranial fossa, jugular foramen, foramen magnum, or C1-C3
61615	vertebral bodies; extradural

61140	Burr hole(s) or trephine; with biopsy of brain or intracranial lesion
	Burr hole(s) or trephine; with drainage of brain abscess or cyst
	Burr hole(s) or trephine; with subsequent tapping (aspiration) of intracranial abscess or cyst
	Exploration of orbit (transcranial approach); with biopsy
	Exploration of orbit (transcranial approach); with removal of lesion
	Craniectomy; with excision of tumor or other bone lesion of skull
61510	Craniectomy, trephination, bone flap craniotomy; for excision of brain tumor, supratentorial, except meningioma
61512	Craniectomy, trephination, bone flap craniotomy; for excision of meningioma, supratentorial
61517	Implantation of brain intracavitary chemotherapy agent (List separately in addition to code for primary procedure)
C4 E 4 O	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; except meningioma, cerebellopontine angle tumor, or midline tumor at
61518	base of skull
61519	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; meningioma
61520	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; cerebellopontine angle tumor
61521	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; midline tumor at base of skull
61524	Craniectomy, infratentorial or posterior fossa; for excision or fenestration of cyst
61526	Craniectomy, bone flap craniotomy, transtemporal (mastoid) for excision of cerebellopontine angle tumor;
61530	Craniectomy, bone flap craniotomy, transtemporal (mastoid) for excision of cerebellopontine angle tumor; combined with middle/posterior fossa
01330	craniotomy/craniectomy
61563	Excision, intra and extracranial, benign tumor of cranial bone (eg, fibrous dysplasia); without optic nerve decompression
61564	Excision, intra and extracranial, benign tumor of cranial bone (eg, fibrous dysplasia); with optic nerve decompression
61591	Infratemporal post-auricular approach to middle cranial fossa (internal auditory meatus, petrous apex, tentorium, cavernous sinus, parasellar area,
01391	infratemporal fossa) including mastoidectomy, resection of sigmoid sinus, with or without decompression and/
61502	Orbitocranial zygomatic approach to middle cranial fossa (cavernous sinus and carotid artery, clivus, basilar artery or petrous apex) including
61592	osteotomy of zygoma, craniotomy, extra- or intradural elevation of temporal lobe
61505	Transtemporal approach to posterior cranial fossa, jugular foramen or midline skull base, including mastoidectomy, decompression of sigmoid sinus
61595	and/or facial nerve, with or without mobilization
61506	Transcochlear approach to posterior cranial fossa, jugular foramen or midline skull base, including labyrinthectomy, decompression, with or without
61596	mobilization of facial nerve and/or petrous carotid artery
61600	Resection or excision of neoplastic, vascular or infectious lesion of base of anterior cranial fossa; extradural
61601	Resection or excision of neoplastic, vascular or infectious lesion of base of anterior cranial fossa; intradural, including dural repair, with or without
	graft
61605	Resection or excision of neoplastic, vascular or infectious lesion of infratemporal fossa, parapharyngeal space, petrous apex; extradural

in inun	Resection or excision of neoplastic, vascular or infectious lesion of infratemporal fossa, parapharyngeal space, petrous apex; intradural, including
	dural repair, with or without graft
61607	Resection or excision of neoplastic, vascular or infectious lesion of parasellar area, cavernous sinus, clivus or midline skull base; extradural
61608	Resection or excision of neoplastic, vascular or infectious lesion of parasellar area, cavernous sinus, clivus or midline skull base; intradural, including
01008	dural repair, with or without graft
61615	Resection or excision of neoplastic, vascular or infectious lesion of base of posterior cranial fossa, jugular foramen, foramen magnum, or C1-C3
01013	vertebral bodies; extradural
61616	Resection or excision of neoplastic, vascular or infectious lesion of base of posterior cranial fossa, jugular foramen, foramen magnum, or C1-C3
61616	vertebral bodies; intradural, including dural repair, with or without graft
62120	Repair of encephalocele, skull vault, including cranioplasty
62121	Craniotomy for repair of encephalocele, skull base

DC16 Pediatric craniotomy - trauma

61330 Decompression of orbit only, transcranial approach

Other

61120	Burr hole(s) for ventricular puncture (including injection of gas, contrast media, dye, or radioactive material)
61154	Burr hole(s) with evacuation and/or drainage of hematoma, extradural or subdural
61156	Burr hole(s); with aspiration of hematoma or cyst, intracerebral
61250	Burr hole(s) or trephine, supratentorial, exploratory, not followed by other surgery
61253	Burr hole(s) or trephine, infratentorial, unilateral or bilateral
61304	Craniectomy or craniotomy, exploratory; supratentorial
61305	Craniectomy or craniotomy, exploratory; infratentorial (posterior fossa)
61334	Exploration of orbit (transcranial approach); with removal of foreign body
Cranioplasty	
Cranic	oplasty
_	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure)
61316	
61316 62140	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure)
61316 62140 62141	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Cranioplasty for skull defect; up to 5 cm diameter
61316 62140 62141 62142	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Cranioplasty for skull defect; up to 5 cm diameter Cranioplasty for skull defect; larger than 5 cm diameter
61316 62140 62141 62142 62143	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure) Cranioplasty for skull defect; up to 5 cm diameter Cranioplasty for skull defect; larger than 5 cm diameter Removal of bone flap or prosthetic plate of skull

61501	Craniectomy; for osteomyelitis	
Depre	Depressed Skull Fracture or Extra-Axial Hematoma	
61322	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of	
01322	associated intraparenchymal hematoma; without lobectomy	
21343	Open treatment of depressed frontal sinus fracture	
21344	Open treatment of complicated (eg, comminuted or involving posterior wall) frontal sinus fracture, via coronal or multiple approaches	
61108	Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for evacuation and/or drainage of subdural hematoma	
61312	Craniectomy or craniotomy for evacuation of hematoma, supratentorial; extradural or subdural	
61314	Craniectomy or craniotomy for evacuation of hematoma, infratentorial; extradural or subdural	
62000	Elevation of depressed skull fracture; simple, extradural	
62005	Elevation of depressed skull fracture; compound or comminuted, extradural	
62010	Elevation of depressed skull fracture; with repair of dura and/or debridement of brain	
62100	Craniotomy for repair of dural/cerebrospinal fluid leak, including surgery for rhinorrhea/otorrhea	
Cranic	ectomy for Abscess, Contusion or Parenchymal Hematoma	
61313	Craniectomy or craniotomy for evacuation of hematoma, supratentorial; intracerebral	
61315	Craniectomy or craniotomy for evacuation of hematoma, infratentorial; intracerebellar	
61320	Craniectomy or craniotomy, drainage of intracranial abscess; supratentorial	
61321	Craniectomy or craniotomy, drainage of intracranial abscess; infratentorial	
61322	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of	
01322	associated intraparenchymal hematoma; without lobectomy	
61323	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of	
01323	associated intraparenchymal hematoma; with lobectomy	
61514	Craniectomy, trephination, bone flap craniotomy; for excision of brain abscess, supratentorial	
61516	Craniectomy, trephination, bone flap craniotomy; for excision or fenestration of cyst, supratentorial	
61522	Craniectomy, infratentorial or posterior fossa; for excision of brain abscess	
61570	Craniectomy or craniotomy; with excision of foreign body from brain	
61571	Craniectomy or craniotomy; with treatment of penetrating wound of brain	
62163	Neuroendoscopy, intracranial; with retrieval of foreign body	
DC	217 Pediatric spinal procedures	

61340 Subtemporal cranial decompression (pseudotumor cerebri, slit ventricle syndrome)

61343	Craniectomy, suboccipital with cervical laminectomy for decompression of medulla and spinal cord, with or without dural graft (eg, Arnold-Chiari malformation)
61343	Craniectomy, suboccipital with cervical laminectomy for decompression of medulla and spinal cord, with or without dural graft (eg, Arnold-Chiari malformation)
61345	Other cranial decompression, posterior fossa
61440	Craniotomy for section of tentorium cerebelli (separate procedure)
63200	Laminectomy, with release of tethered spinal cord, lumbar
63700	Repair of meningocele; less than 5 cm diameter
63702	Repair of meningocele; larger than 5 cm diameter
63704	Repair of myelomeningocele; less than 5 cm diameter
63706	Repair of myelomeningocele; larger than 5 cm diameter
63707	Repair of dural/cerebrospinal fluid leak, not requiring laminectomy
63709	Repair of dural/cerebrospinal fluid leak or pseudomeningocele, with laminectomy
	Dural graft, spinal
DC	18 Pediatric VP shunt
DC	18 Pediatric VP shunt Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus
DC	18 Pediatric VP shunt
DC 61544 62160	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement,
61544 62160 62161	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter)
61544 62160 62161 62162	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage
61544 62160 62161 62162 62163	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body
61544 62160 62161 62162 62163 62164	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage
61544 62160 62161 62162 62163 62164 62165	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach
61544 62160 62161 62162 62163 62164 62165 62180	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach Ventriculocisternostomy (Torkildsen type operation)
61544 62160 62161 62162 62163 62164 62165 62180 62190	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach Ventriculocisternostomy (Torkildsen type operation) Creation of shunt; subarachnoid/subdural-atrial, -jugular, -auricular
61544 62160 62161 62162 62163 62164 62165 62180 62190 62192	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach Ventriculocisternostomy (Torkildsen type operation) Creation of shunt; subarachnoid/subdural-atrial, -jugular, -auricular Creation of shunt; subarachnoid/subdural-peritoneal, -pleural, other terminus
61544 62160 62161 62162 62163 62164 62165 62180 62190 62192	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach Ventriculocisternostomy (Torkildsen type operation) Creation of shunt; subarachnoid/subdural-atrial, -jugular, -auricular
61544 62160 62161 62162 62163 62164 62165 62180 62190 62192 62194	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure) Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter) Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with retrieval of foreign body Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach Ventriculocisternostomy (Torkildsen type operation) Creation of shunt; subarachnoid/subdural-atrial, -jugular, -auricular Creation of shunt; subarachnoid/subdural-peritoneal, -pleural, other terminus

62220	Creation of shunt; ventriculo-atrial, -jugular, -auricular	
62223	Creation of shunt; ventriculo-peritoneal, -pleural, other terminus	
62225	Replacement or irrigation, ventricular catheter	
62230	Replacement or revision of cerebrospinal fluid shunt, obstructed valve, or distal catheter in shunt system	
62256	Removal of complete cerebrospinal fluid shunt system; without replacement	
62258	Removal of complete cerebrospinal fluid shunt system; with replacement by similar or other shunt at same operation	
63740	Creation of shunt, lumbar, subarachnoid-peritoneal, -pleural, or other; including laminectomy	
63741	Creation of shunt, lumbar, subarachnoid-peritoneal, -pleural, or other; percutaneous, not requiring laminectomy	
63744	Replacement, irrigation or revision of lumbosubarachnoid shunt	
63746	Removal of entire lumbosubarachnoid shunt system without replacement	
DC	DC19 Adult and pediatric craniotomy-epilepsy	
61490	Craniotomy for lobotomy, including cingulotomy	
61531	Subdural implantation of strip electrodes through one or more burr or trephine hole(s) for long-term seizure monitoring	
61533	Craniotomy with elevation of bone flap; for subdural implantation of an electrode array, for long-term seizure monitoring	
61534	Craniotomy with elevation of bone flap; for excision of epileptogenic focus without electrocorticography during surgery	
61535	Craniotomy with elevation of bone flap; for removal of epidural or subdural electrode array, without excision of cerebral tissue (separate procedure)	
61536	Craniotomy with elevation of bone flap; for excision of cerebral epileptogenic focus, with electrocorticography during surgery (includes removal of electrode array)	
61537	Craniotomy with elevation of bone flap; for lobectomy, temporal lobe, without electrocorticography during surgery	
61538	Craniotomy with elevation of bone flap; for lobectomy, temporal lobe, with electrocorticography during surgery	
61539	Craniotomy with elevation of bone flap; for lobectomy, other than temporal lobe, partial or total, with electrocorticography during surgery	
61540	Craniotomy with elevation of bone flap; for lobectomy, other than temporal lobe, partial or total, without electrocorticography during surgery	
61541	Craniotomy with elevation of bone flap; for transection of corpus callosum	
61542	Craniotomy with elevation of bone flap; for total hemispherectomy	
61543	Craniotomy with elevation of bone flap; for partial or subtotal (functional) hemispherectomy	
61566	Craniotomy with elevation of bone flap; for selective amygdalohippocampectomy	
61567	Craniotomy with elevation of bone flap; for multiple subpial transections, with electrocorticography during surgery	
61760	Stereotactic implantation of depth electrodes into the cerebrum for long-term seizure monitoring	

61850 Twist drill or burr hole(s) for implantation of neurostimulator electrodes, cortical

61860	Craniectomy or craniotomy for implantation of neurostimulator electrodes, cerebral, cortical
61863	Twist drill, burr hole, craniotomy, or craniectomy with stereotactic implantation of neurostimulator electrode array in subcortical site (eg, thalamus,
01803	globus pallidus, subthalamic nucleus, periventricular, periaqueductal gray), without use of intraoperative
61864	Twist drill, burr hole, craniotomy, or craniectomy with stereotactic implantation of neurostimulator electrode array in subcortical site (eg, thalamus,
01804	globus pallidus, subthalamic nucleus, periventricular, periaqueductal gray), without use of intraoperative
61867	Twist drill, burr hole, craniotomy, or craniectomy with stereotactic implantation of neurostimulator electrode array in subcortical site (eg, thalamus,
01807	globus pallidus, subthalamic nucleus, periventricular, periaqueductal gray), with use of intraoperative
61868	Twist drill, burr hole, craniotomy, or craniectomy with stereotactic implantation of neurostimulator electrode array in subcortical site (eg, thalamus,
01808	globus pallidus, subthalamic nucleus, periventricular, periaqueductal gray), with use of intraoperative
61870	Craniectomy for implantation of neurostimulator electrodes, cerebellar; cortical
61875	Craniectomy for implantation of neurostimulator electrodes, cerebellar; subcortical
1200F	Seizure type(s) and current seizure frequency(ies) documented (EPI)
3650F	Electroencephalogram (EEG) ordered, reviewed or requested (EPI)
DC	20 Minor procedures/critical care-ICP monitor placement
61107	Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other intracerebral monitoring device
DC	intracerebral monitoring device
DC	intracerebral monitoring device 21 Minor procedures/critical care-external ventricular drain
DC	21 Minor procedures/critical care-external ventricular drain Twist drill hole for subdural or ventricular puncture Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other
61105 61107 61210	21 Minor procedures/critical care-external ventricular drain Twist drill hole for subdural or ventricular puncture Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other intracerebral monitoring device Burr hole(s); for implanting ventricular catheter, reservoir, EEG electrode(s), pressure recording device, or other cerebral monitoring device
61105 61107 61210 61215	21 Minor procedures/critical care-external ventricular drain Twist drill hole for subdural or ventricular puncture Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other intracerebral monitoring device Burr hole(s); for implanting ventricular catheter, reservoir, EEG electrode(s), pressure recording device, or other cerebral monitoring device (separate procedure)
61105 61107 61210 61215	Twist drill hole for subdural or ventricular puncture Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other intracerebral monitoring device Burr hole(s); for implanting ventricular catheter, reservoir, EEG electrode(s), pressure recording device, or other cerebral monitoring device (separate procedure) Insertion of subcutaneous reservoir, pump or continuous infusion system for connection to ventricular catheter
61105 61107 61210 61215 DC 62272	21 Minor procedures/critical care-external ventricular drain Twist drill hole for subdural or ventricular puncture Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other intracerebral monitoring device Burr hole(s); for implanting ventricular catheter, reservoir, EEG electrode(s), pressure recording device, or other cerebral monitoring device (separate procedure) Insertion of subcutaneous reservoir, pump or continuous infusion system for connection to ventricular catheter 22 Minor procedures/critical care-VP shunt tap/programming
61105 61107 61210 61215 DC 62272 61000	21 Minor procedures/critical care-external ventricular drain Twist drill hole for subdural or ventricular puncture Twist drill hole(s) for subdural, intracerebral, or ventricular puncture; for implanting ventricular catheter, pressure recording device, or other intracerebral monitoring device Burr hole(s); for implanting ventricular catheter, reservoir, EEG electrode(s), pressure recording device, or other cerebral monitoring device (separate procedure) Insertion of subcutaneous reservoir, pump or continuous infusion system for connection to ventricular catheter 22 Minor procedures/critical care-VP shunt tap/programming Spinal puncture, therapeutic, for drainage of cerebrospinal fluid (by needle or catheter)

61026	Ventricular puncture through previous burr hole, fontanelle, suture, or implanted ventricular catheter/reservoir; with injection of medication or
01020	other substance for diagnosis or treatment
61050	Cisternal or lateral cervical (C1-C2) puncture; without injection (separate procedure)
61055	Cisternal or lateral cervical (C1-C2) puncture; with injection of medication or other substance for diagnosis or treatment (eg, C1-C2)
61070	Puncture of shunt tubing or reservoir for aspiration or injection procedure
62252	Reprogramming of programmable cerebrospinal shunt
62269	Biopsy of spinal cord, percutaneous needle
62270	Spinal puncture, lumbar, diagnostic
62272	Spinal puncture, therapeutic, for drainage of cerebrospinal fluid (by needle or catheter)
62273	Injection, epidural, of blood or clot patch
62280	Injection/infusion of neurolytic substance (eg, alcohol, phenol, iced saline solutions), with or without other therapeutic substance; subarachnoid
62281	Injection/infusion of neurolytic substance (eg, alcohol, phenol, iced saline solutions), with or without other therapeutic substance; epidural, cervical or thoracic
62282	Injection/infusion of neurolytic substance (eg, alcohol, phenol, iced saline solutions), with or without other therapeutic substance; epidural, lumbar, sacral (caudal)
62284	Injection procedure for myelography and/or computed tomography, spinal (other than C1-C2 and posterior fossa)
62267	Electronic analysis of programmable, implanted pump for intrathecal or epidural drug infusion (includes evaluation of reservoir status, alarm status,
62367	drug prescription status); without reprogramming
62368	Electronic analysis of programmable, implanted pump for intrathecal or epidural drug infusion (includes evaluation of reservoir status, alarm status,
62368	drug prescription status); with reprogramming
95970	Electronic analysis of implanted neurostimulator pulse generator system (eg, rate, pulse amplitude and duration, configuration of wave form,
95970	battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements)
05071	Electronic analysis of implanted neurostimulator pulse generator system (eg, rate, pulse amplitude and duration, configuration of wave form,
95971	battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements)
05072	Electronic analysis of implanted neurostimulator pulse generator system (eg, rate, pulse amplitude and duration, configuration of wave form,
95972	battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements)
95973	Electronic analysis of implanted neurostimulator pulse generator system (eg, rate, pulse amplitude and duration, configuration of wave form,
95973	battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements)
95974	Electronic analysis of implanted neurostimulator pulse generator system (eg, rate, pulse amplitude and duration, configuration of wave form,
93914	battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements)

95975	Electronic analysis of implanted neurostimulator pulse generator system (eg, rate, pulse amplitude and duration, configuration of wave form,
95975	battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements)
95990	Refilling and maintenance of implantable pump or reservoir for drug delivery, spinal (intrathecal, epidural) or brain (intraventricular);
05004	Refilling and maintenance of implantable pump or reservoir for drug delivery, spinal (intrathecal, epidural) or brain (intraventricular); administered
95991	by physician
DC	23 Minor procedures/critical care-cervical spine traction
20650	Insertion of wire or pin with application of skeletal traction, including removal (separate procedure)
20660	Application of cranial tongs, caliper, or stereotactic frame, including removal (separate procedure)
20661	Application of halo, including removal; cranial
20664	Application of halo, including removal, cranial, 6 or more pins placed, for thin skull osteology (eg, pediatric patients, hydrocephalus, osteogenesis imperfecta), requiring general anesthesia
20665	Removal of tongs or halo applied by another physician
22505	Manipulation of spine requiring anesthesia, any region
29000	Application of halo type body cast (see 20661-20663 for insertion)
DC	24 Minor procedures/critical care-stereotactic frame placemnt
61750	Stereotactic biopsy, aspiration, or excision, including burr hole(s), for intracranial lesion;
61751	Stereotactic biopsy, aspiration, or excision, including burr hole(s), for intracranial lesion; with computed tomography and/or magnetic resonance guidance
61800	Application of stereotactic headframe for stereotactic radiosurgery (List separately in addition to code for primary procedure)
61781	Stereotactic computer-assisted (navigational) procedure; cranial, intradural (List separately in addition to code for primary procedure)
61782	Stereotactic computer-assisted (navigational) procedure; cranial, extradural (List separately in addition to code for primary procedure)
61783	Stereotactic computer-assisted (navigational) procedure; spinal (List separately in addition to code for primary procedure)
DC	25 Minor procedures/critical care-CVP line placement
36400	Venipuncture, younger than age 3 years, necessitating physician's skill, not to be used for routine venipuncture; femoral or jugular vein
36405	Venipuncture, younger than age 3 years, necessitating physician's skill, not to be used for routine venipuncture; scalp vein
36406	Venipuncture, younger than age 3 years, necessitating physician's skill, not to be used for routine venipuncture; other vein
36410	Venipuncture, age 3 years or older, necessitating physician's skill (separate procedure), for diagnostic or therapeutic purposes (not to be used for routine venipuncture)

36415	Collection of venous blood by venipuncture
36420	Venipuncture, cutdown; younger than age 1 year
36425	Venipuncture, cutdown; age 1 or over
36500	Venous catheterization for selective organ blood sampling
93503	Insertion and placement of flow directed catheter (eg, Swan-Ganz) for monitoring purposes
DC	26 Minor procedures/critical care-airway management
31600	Tracheostomy, planned (separate procedure);
31601	Tracheostomy, planned (separate procedure); younger than two years
31603	Tracheostomy, emergency procedure; transtracheal
31605	Tracheostomy, emergency procedure; cricothyroid membrane
31610	Tracheostomy, fenestration procedure with skin flaps
32421	Thoracentesis, puncture of pleural cavity for aspiration, initial or subsequent
32422	Thoracentesis with insertion of tube, includes water seal (eg, for pneumothorax), when performed (separate procedure)
32551	Tube thoracostomy, includes water seal (eg, for abscess, hemothorax, empyema), when performed (separate procedure)
31626	Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with placement of fiducial markers, single or multiple
31627	Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with computer-assisted, image-guided navigation (List separately
31027	in addition to code for primary procedure[s])
	27 Minor procedures/critical care-arterial line placement
36600	Arterial puncture, withdrawal of blood for diagnosis
36620	Arterial catheterization or cannulation for sampling, monitoring or transfusion (separate procedure); percutaneous
DC	28 Minor procedures/critical care-arteriography
0075T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; initial vessel
0076T	Transcatheter placement of extracranial vertebral or intrathoracic carotid artery stent(s), including radiologic supervision and interpretation, percutaneous; each additional vessel (List separately in addition to code for primary procedure)
35475	Transluminal balloon angioplasty, percutaneous; brachiocephalic trunk or branches, each vessel
75898	Angiography through existing catheter for follow-up study for transcatheter therapy, embolization or infusion
26005	Injection procedure for extremity venography (including introduction of needle or intracatheter)

Introduction of catheter, superior or inferior vena cava	26040	
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75825 Venography, caval, inferior, with serialography, radiological supervision and interpretation 75870 Venography, caval, superior, with serialography, radiological supervision and interpretation 75870 Venography, venous sinus (eg, petrosal and inferior sagittal) or jugular, catheter, radiological supervision and interpretation 75870 Venography, superior sagittal sinus, radiological supervision and interpretation 75893 Venous sampling through catheter, with or without angiography (eg, for parathyroid hormone, renin), radiological supervision and interpretation Craniofacia 21015 Radical resection of tumor (eg, malignant neoplasm), soft tissue of face or scalp 21018 Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) 21139 Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) 21140 Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts) 21171 Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) 21179 Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) 21180 Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) 21181 Reconstruction by contouring of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21182 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	75820	Venography, extremity, unilateral, radiological supervision and interpretation
Venography, caval, superior, with serialography, radiological supervision and interpretation	75822	Venography, extremity, bilateral, radiological supervision and interpretation
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Craniofacial Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts) Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	75860	Venography, venous sinus (eg, petrosal and inferior sagittal) or jugular, catheter, radiological supervision and interpretation
Craniofacia 21015 Radical resection of tumor (eg, malignant neoplasm), soft tissue of face or scalp 21137 Reduction forehead; contouring only 21138 Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) 21139 Reduction forehead; contouring and setback of anterior frontal sinus wall 21172 Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts) 21175 Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) 21179 Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) 21180 Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) 21181 Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	75870	Venography, superior sagittal sinus, radiological supervision and interpretation
Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	75893	Venous sampling through catheter, with or without angiography (eg, for parathyroid hormone, renin), radiological supervision and interpretation
21137 Reduction forehead; contouring only 21138 Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft) 21139 Reduction forehead; contouring and setback of anterior frontal sinus wall 21172 Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts) 21175 Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) 21179 Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) 21180 Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) 21181 Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less 21183 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	Cra	aniofacial
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21139 Reduction forehead; contouring and setback of anterior frontal sinus wall 21172 Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts) 21175 Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) 21179 Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) 21180 Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) 21181 Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial 21182 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21137	Reduction forehead; contouring only
Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts) Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21138	Reduction forehead; contouring and application of prosthetic material or bone graft (includes obtaining autograft)
Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts) 21179 Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) 21180 Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) 21181 Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial 21182 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less 21183 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21139	Reduction forehead; contouring and setback of anterior frontal sinus wall
brachycephaly), with or without grafts (includes obtaining autografts) Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21172	Reconstruction superior-lateral orbital rim and lower forehead, advancement or alteration, with or without grafts (includes obtaining autografts)
brachycephaly), with or without grafts (includes obtaining autografts) 21179 Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material) 21180 Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) 21181 Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial 21182 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less 21183 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great 21184 Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	24475	Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (eg, plagiocephaly, trigonocephaly,
Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts) Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	211/5	brachycephaly), with or without grafts (includes obtaining autografts)
Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21179	Reconstruction, entire or majority of forehead and/or supraorbital rims; with grafts (allograft or prosthetic material)
Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21180	Reconstruction, entire or majority of forehead and/or supraorbital rims; with autograft (includes obtaining grafts)
fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21181	Reconstruction by contouring of benign tumor of cranial bones (eg, fibrous dysplasia), extracranial
fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21102	Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg,
fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21182	fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting less
Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg, fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21102	Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg,
fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21183	fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great
fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great	21104	Reconstruction of orbital walls, rims, forehead, nasoethmoid complex following intra- and extracranial excision of benign tumor of cranial bone (eg,
21255 Reconstruction of zygomatic arch and glenoid fossa with bone and cartilage (includes obtaining autografts)	21184	fibrous dysplasia), with multiple autografts (includes obtaining grafts); total area of bone grafting great
	21255	Reconstruction of zygomatic arch and glenoid fossa with bone and cartilage (includes obtaining autografts)

21256	Reconstruction of orbit with osteotomies (extracranial) and with bone grafts (includes obtaining autografts) (eg, micro-ophthalmia)
21260	Periorbital osteotomies for orbital hypertelorism, with bone grafts; extracranial approach
21261	Periorbital osteotomies for orbital hypertelorism, with bone grafts; combined intra- and extracranial approach
21263	Periorbital osteotomies for orbital hypertelorism, with bone grafts; with forehead advancement
21267	Orbital repositioning, periorbital osteotomies, unilateral, with bone grafts; extracranial approach
21268	Orbital repositioning, periorbital osteotomies, unilateral, with bone grafts; combined intra- and extracranial approach
21299	Unlisted craniofacial and maxillofacial procedure
61550	Craniectomy for craniosynostosis; single cranial suture
61552	Craniectomy for craniosynostosis; multiple cranial sutures
61556	Craniotomy for craniosynostosis; frontal or parietal bone flap
61557	Craniotomy for craniosynostosis; bifrontal bone flap
61558	Extensive craniectomy for multiple cranial suture craniosynostosis (eg, cloverleaf skull); not requiring bone grafts
61559	Extensive craniectomy for multiple cranial suture craniosynostosis (eg, cloverleaf skull); recontouring with multiple osteotomies and bone
01339	autografts (eg, barrel-stave procedure) (includes obtaining grafts)
62115	Reduction of craniomegalic skull (eg, treated hydrocephalus); not requiring bone grafts or cranioplasty
62116	Reduction of craniomegalic skull (eg, treated hydrocephalus); with simple cranioplasty
62117	Reduction of craniomegalic skull (eg, treated hydrocephalus); requiring craniotomy and reconstruction with or without bone graft (includes
02117	obtaining grafts)
62140	Cranioplasty for skull defect; up to 5 cm diameter
62141	Cranioplasty for skull defect; larger than 5 cm diameter
62142	Removal of bone flap or prosthetic plate of skull
62143	Replacement of bone flap or prosthetic plate of skull
62145	Cranioplasty for skull defect with reparative brain surgery
62146	Cranioplasty with autograft (includes obtaining bone grafts); up to 5 cm diameter
62147	Cranioplasty with autograft (includes obtaining bone grafts); larger than 5 cm diameter
62148	Incision and retrieval of subcutaneous cranial bone graft for cranioplasty (List separately in addition to code for primary procedure)
Sp	inal Tumor/AVM
Spina	l Tumor Resection: Primary and Metastatic
22100	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; cervical

22101	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; thoracic
22102	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; lumbar
22103	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; each additional segment (List separately in addition to code for primary procedure)
22110	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; cervical
22112	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; thoracic
22114	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; lumbar
22116	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; each additional vertebral segment (List separately in addition to code for primary procedure)
63275	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, cervical
H	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, cervical
63276	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, thoracic
-	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, lumbar
H	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, sacral
63280	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, cervical
63281	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, thoracic
63282	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, lumbar
63283	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, sacral
63285	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, cervical
63286	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, thoracic
63287	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, thoracolumbar
63290	Laminectomy for biopsy/excision of intraspinal neoplasm; combined extradural-intradural lesion, any level
Spinal	Vascular Lesion Resection
63250	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; cervical
\vdash	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; thoracic
63252	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; thoracolumbar
63265	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; cervical

63266	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; thoracic
63267	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; lumbar
63268	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; sacral
63270	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; cervical
63271	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; thoracic
63272	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; lumbar
63273	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; sacral
Recon	structive Secondary Procedures
63295	Osteoplastic reconstruction of dorsal spinal elements, following primary intraspinal procedure (List separately in addition to code for primary
03293	procedure)
63295	Osteoplastic reconstruction of dorsal spinal elements, following primary intraspinal procedure (List separately in addition to code for primary
03293	procedure)
63301	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by
03301	transthoracic approach
63302	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by
03302	thoracolumbar approach
63303	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, lumbar or sacral
03303	by transperitoneal or retroperitoneal approach
63305	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, thoracic by
03303	transthoracic approach
63306	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, thoracic by
33300	thoracolumbar approach
63307	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, lumbar or sacral
03307	by transperitoneal or retroperitoneal approach
63308	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; each additional segment
	(List separately in addition to codes for single segment)
63615	Stereotactic biopsy, aspiration, or excision of lesion, spinal cord
Mi	scellaneous/Unclassified
95885	Needle electromyography, each extremity, with related paraspinal areas, when performed, done with nerve conduction, amplitude and latency/velocity study; limited (List separately in addition to code for primary procedure)

95887	Needle electromyography, non-extremity (cranial nerve supplied or axial) muscle(s) done with nerve conduction, amplitude and latency/velocity
	study (List separately in addition to code for primary procedure)
95938	Short-latency somatosensory evoked potential study, stimulation of any/all peripheral nerves or skin sites, recording from the central nervous
	system; in upper and lower limbs
95939	Short-latency somatosensory evoked potential study, stimulation of any/all peripheral nerves or skin sites, recording from the central nervous
33333	system; in upper and lower limbs
62369	Electronic analysis of programmable, implanted pump for intrathecal or epidural drug infusion (includes evaluation of reservoir status, alarm status,
02309	drug prescription status); with reprogramming and refill
62370	Electronic analysis of programmable, implanted pump for intrathecal or epidural drug infusion (includes evaluation of reservoir status, alarm status,
02370	drug prescription status); with reprogramming and refill (requiring physician's skill)
64633	Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); cervical or thoracic, single facet joint
04033	
64634	Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); cervical or thoracic, each additional
04034	facet joint (List separately in addition to code for primary procedure)
64635	Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); lumbar or sacral, single facet joint
64626	Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); lumbar or sacral, each additional
64636	facet joint (List separately in addition to code for primary procedure)
274.04	Insertion of intravascular vena cava filter, endovascular approach including vascular access, vessel selection, and radiological supervision and
37191	interpretation, intraprocedural roadmapping, and imaging guidance (ultrasound and fluoroscopy), when performed
69990	Microsurgical techniques, requiring use of operating microscope (List separately in addition to code for primary procedure)
76376	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality;
/03/0	not requiring image postprocessing on an independent workstation
76377	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality;
/03//	requiring image postprocessing on an independent workstation
61316	Incision and subcutaneous placement of cranial bone graft (List separately in addition to code for primary procedure)
10060	Incision and drainage of abscess (eg, carbuncle, suppurative hidradenitis, cutaneous or subcutaneous abscess, cyst, furuncle, or paronychia); simple
10000	or single
10061	Incision and drainage of abscess (eg, carbuncle, suppurative hidradenitis, cutaneous or subcutaneous abscess, cyst, furuncle, or paronychia);
	complicated or multiple
10120	Incision and removal of foreign body, subcutaneous tissues; simple
10121	Incision and removal of foreign body, subcutaneous tissues; complicated

10140	Incision and drainage of hematoma, seroma or fluid collection
$\overline{}$	Puncture aspiration of abscess, hematoma, bulla, or cyst
	Incision and drainage, complex, postoperative wound infection
	Simple repair of superficial wounds of scalp, neck, axillae, external genitalia, trunk and/or extremities (including hands and feet); 2.5 cm or less
12002	Simple repair of superficial wounds of scalp, neck, axillae, external genitalia, trunk and/or extremities (including hands and feet); 2.6 cm to 7.5 cm
12004	Simple repair of superficial wounds of scalp, neck, axillae, external genitalia, trunk and/or extremities (including hands and feet); 7.6 cm to 12.5 cm
12005	Simple repair of superficial wounds of scalp, neck, axillae, external genitalia, trunk and/or extremities (including hands and feet); 12.6 cm to 20.0 cm
12006	Simple repair of superficial wounds of scalp, neck, axillae, external genitalia, trunk and/or extremities (including hands and feet); 20.1 cm to 30.0 cm
12007	Simple repair of superficial wounds of scalp, neck, axillae, external genitalia, trunk and/or extremities (including hands and feet); over 30.0 cm
12011	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; 2.5 cm or less
12013	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; 2.6 cm to 5.0 cm
12014	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; 5.1 cm to 7.5 cm
12015	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; 7.6 cm to 12.5 cm
12016	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; 12.6 cm to 20.0 cm
12017	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; 20.1 cm to 30.0 cm
12018	Simple repair of superficial wounds of face, ears, eyelids, nose, lips and/or mucous membranes; over 30.0 cm
12020	Treatment of superficial wound dehiscence; simple closure
12021	Treatment of superficial wound dehiscence; with packing
12031	Repair, intermediate, wounds of scalp, axillae, trunk and/or extremities (excluding hands and feet); 2.5 cm or less
12032	Repair, intermediate, wounds of scalp, axillae, trunk and/or extremities (excluding hands and feet); 2.6 cm to 7.5 cm
12034	Repair, intermediate, wounds of scalp, axillae, trunk and/or extremities (excluding hands and feet); 7.6 cm to 12.5 cm
	Repair, intermediate, wounds of scalp, axillae, trunk and/or extremities (excluding hands and feet); 12.6 cm to 20.0 cm
12036	Repair, intermediate, wounds of scalp, axillae, trunk and/or extremities (excluding hands and feet); 20.1 cm to 30.0 cm
	Repair, intermediate, wounds of scalp, axillae, trunk and/or extremities (excluding hands and feet); over 30.0 cm
13120	Repair, complex, scalp, arms, and/or legs; 1.1 cm to 2.5 cm
	Repair, complex, scalp, arms, and/or legs; 2.6 cm to 7.5 cm

	Repair, complex, scalp, arms, and/or legs; each additional 5 cm or less (List separately in addition to code for primary procedure)
13160	Secondary closure of surgical wound or dehiscence, extensive or complicated
14020	Adjacent tissue transfer or rearrangement, scalp, arms and/or legs; defect 10 sq cm or less
14021	Adjacent tissue transfer or rearrangement, scalp, arms and/or legs; defect 10.1 sq cm to 30.0 sq cm
20000	Incision of soft tissue abscess (eg, secondary to osteomyelitis); superficial
20005	Incision of soft tissue abscess (eg, secondary to osteomyelitis); deep or complicated
20200	Biopsy, muscle; superficial
20205	Biopsy, muscle; deep
20206	Biopsy, muscle, percutaneous needle
20220	Biopsy, bone, trocar, or needle; superficial (eg, ilium, sternum, spinous process, ribs)
20220	Biopsy, bone, trocar, or needle; superficial (eg, ilium, sternum, spinous process, ribs)
20225	Biopsy, bone, trocar, or needle; deep (eg, vertebral body, femur)
20240	Biopsy, bone, open; superficial (eg, ilium, sternum, spinous process, ribs, trochanter of femur)
20250	Biopsy, vertebral body, open; thoracic
20251	Biopsy, vertebral body, open; lumbar or cervical
20975	Electrical stimulation to aid bone healing; invasive (operative)
20999	Unlisted procedure, musculoskeletal system, general
21501	Incision and drainage, deep abscess or hematoma, soft tissues of neck or thorax;
22010	Incision and drainage, open, of deep abscess (subfascial), posterior spine; cervical, thoracic, or cervicothoracic
22010	Incision and drainage, open, of deep abscess (subfascial), posterior spine; cervical, thoracic, or cervicothoracic
22015	Incision and drainage, open, of deep abscess (subfascial), posterior spine; lumbar, sacral, or lumbosacral
22015	Incision and drainage, open, of deep abscess (subfascial), posterior spine; lumbar, sacral, or lumbosacral
22212	Osteotomy of spine, posterior or posterolateral approach, one vertebral segment; thoracic
22214	Osteotomy of spine, posterior or posterolateral approach, one vertebral segment; lumbar
22216	Osteotomy of spine, posterior or posterolateral approach, one vertebral segment; each additional vertebral segment (List separately in addition to
22216	primary procedure)
22222	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; thoracic
22224	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; lumbar
22226	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; each additional vertebral segment (List separately in
22226	addition to code for primary procedure)
22305	Closed treatment of vertebral process fracture(s)
22310	Closed treatment of vertebral body fracture(s), without manipulation, requiring and including casting or bracing

22245	Closed treatment of vertebral fracture(s) and/or dislocation(s) requiring casting or bracing, with and including casting and/or bracing, with or
22315	without anesthesia, by manipulation or traction
22520	Percutaneous vertebroplasty, one vertebral body, unilateral or bilateral injection; thoracic
22521	Percutaneous vertebroplasty, one vertebral body, unilateral or bilateral injection; lumbar
22522	Percutaneous vertebroplasty, one vertebral body, unilateral or bilateral injection; each additional thoracic or lumbar vertebral body (List separately
22522	in addition to code for primary procedure)
22522	Percutaneous vertebroplasty, one vertebral body, unilateral or bilateral injection; each additional thoracic or lumbar vertebral body (List separately
22522	in addition to code for primary procedure)
22522	Percutaneous vertebral augmentation, including cavity creation (fracture reduction and bone biopsy included when performed) using mechanical
22523	device, one vertebral body, unilateral or bilateral cannulation (eg, kyphoplasty); thoracic
22524	Percutaneous vertebral augmentation, including cavity creation (fracture reduction and bone biopsy included when performed) using mechanical
22524	device, one vertebral body, unilateral or bilateral cannulation (eg, kyphoplasty); lumbar
22525	Percutaneous vertebral augmentation, including cavity creation (fracture reduction and bone biopsy included when performed) using mechanical
22525	device, one vertebral body, unilateral or bilateral cannulation (eg, kyphoplasty); each additional thoracic or lumb
22899	Unlisted procedure, spine
27080	Coccygectomy, primary
37501	Unlisted vascular endoscopy procedure
43246	Upper gastrointestinal endoscopy including esophagus, stomach, and either the duodenum and/or jejunum as appropriate; with directed
43240	placement of percutaneous gastrostomy tube
61580	Craniofacial approach to anterior cranial fossa; extradural, including lateral rhinotomy, ethmoidectomy, sphenoidectomy, without maxillectomy or
01280	orbital exenteration
61581	Craniofacial approach to anterior cranial fossa; extradural, including lateral rhinotomy, orbital exenteration, ethmoidectomy, sphenoidectomy
01201	and/or maxillectomy
61582	Craniofacial approach to anterior cranial fossa; extradural, including unilateral or bifrontal craniotomy, elevation of frontal lobe(s), osteotomy of
01382	base of anterior cranial fossa
61583	Craniofacial approach to anterior cranial fossa; intradural, including unilateral or bifrontal craniotomy, elevation or resection of frontal lobe,
01202	osteotomy of base of anterior cranial fossa
61583	Craniofacial approach to anterior cranial fossa; intradural, including unilateral or bifrontal craniotomy, elevation or resection of frontal lobe,
01203	osteotomy of base of anterior cranial fossa
61584	Orbitocranial approach to anterior cranial fossa, extradural, including supraorbital ridge osteotomy and elevation of frontal and/or temporal
01364	lobe(s); without orbital exenteration

61584	Orbitocranial approach to anterior cranial fossa, extradural, including supraorbital ridge osteotomy and elevation of frontal and/or temporal
	lobe(s); without orbital exenteration
61585	Orbitocranial approach to anterior cranial fossa, extradural, including supraorbital ridge osteotomy and elevation of frontal and/or temporal
	lobe(s); with orbital exenteration
61586	Bicoronal, transzygomatic and/or LeFort I osteotomy approach to anterior cranial fossa with or without internal fixation, without bone graft
61500	Infratemporal pre-auricular approach to middle cranial fossa (parapharyngeal space, infratemporal and midline skull base, nasopharynx), with or
61590	without disarticulation of the mandible, including parotidectomy, craniotomy, decompression and/or mobilization
61590	Infratemporal pre-auricular approach to middle cranial fossa (parapharyngeal space, infratemporal and midline skull base, nasopharynx), with or
61590	without disarticulation of the mandible, including parotidectomy, craniotomy, decompression and/or mobilization
C1 F O1	Infratemporal post-auricular approach to middle cranial fossa (internal auditory meatus, petrous apex, tentorium, cavernous sinus, parasellar area,
61591	infratemporal fossa) including mastoidectomy, resection of sigmoid sinus, with or without decompression and/
62207	Decompression procedure, percutaneous, of nucleus pulposus of intervertebral disc, any method, single or multiple levels, lumbar (eg, manual or
62287	automated percutaneous discectomy, percutaneous laser discectomy)
62290	Injection procedure for discography, each level; lumbar
62291	Injection procedure for discography, each level; cervical or thoracic
62292	Injection procedure for chemonucleolysis, including discography, intervertebral disc, single or multiple levels, lumbar
62294	Injection procedure, arterial, for occlusion of arteriovenous malformation, spinal
62210	Injection, single (not via indwelling catheter), not including neurolytic substances, with or without contrast (for either localization or
62310	epidurography), of diagnostic or therapeutic substance(s) (including anesthetic, antispasmodic, opioid, steroid, othe
62311	Injection, single (not via indwelling catheter), not including neurolytic substances, with or without contrast (for either localization or
62311	epidurography), of diagnostic or therapeutic substance(s) (including anesthetic, antispasmodic, opioid, steroid, othe
C2210	Injection, including catheter placement, continuous infusion or intermittent bolus, not including neurolytic substances, with or without contrast (for
62318	either localization or epidurography), of diagnostic or therapeutic substance(s) (including anesthetic, a
C2210	Injection, including catheter placement, continuous infusion or intermittent bolus, not including neurolytic substances, with or without contrast (for
62319	either localization or epidurography), of diagnostic or therapeutic substance(s) (including anesthetic, a
C2250	Implantation, revision or repositioning of tunneled intrathecal or epidural catheter, for long-term medication administration via an external pump
62350	or implantable reservoir/infusion pump; without laminectomy
62254	Implantation, revision or repositioning of tunneled intrathecal or epidural catheter, for long-term medication administration via an external pump
62351	or implantable reservoir/infusion pump; with laminectomy
62355	Removal of previously implanted intrathecal or epidural catheter
63172	Laminectomy with drainage of intramedullary cyst/syrinx; to subarachnoid space
	Laminectomy with drainage of intramedullary cyst/syrinx; to peritoneal or pleural space

63180	Laminectomy and section of dentate ligaments, with or without dural graft, cervical; 1 or 2 segments
63182	Laminectomy and section of dentate ligaments, with or without dural graft, cervical; more than 2 segments
64400	Injection, anesthetic agent; trigeminal nerve, any division or branch
64402	Injection, anesthetic agent; facial nerve
64405	Injection, anesthetic agent; greater occipital nerve
64408	Injection, anesthetic agent; vagus nerve
64410	Injection, anesthetic agent; phrenic nerve
64412	Injection, anesthetic agent; spinal accessory nerve
64413	Injection, anesthetic agent; cervical plexus
64415	Injection, anesthetic agent; brachial plexus, single
64416	Injection, anesthetic agent; brachial plexus, continuous infusion by catheter (including catheter placement)
64417	Injection, anesthetic agent; axillary nerve
64418	Injection, anesthetic agent; suprascapular nerve
64420	Injection, anesthetic agent; intercostal nerve, single
64421	Injection, anesthetic agent; intercostal nerves, multiple, regional block
64425	Injection, anesthetic agent; ilioinguinal, iliohypogastric nerves
64430	Injection, anesthetic agent; pudendal nerve
64435	Injection, anesthetic agent; paracervical (uterine) nerve
64445	Injection, anesthetic agent; sciatic nerve, single
64446	Injection, anesthetic agent; sciatic nerve, continuous infusion by catheter (including catheter placement)
64447	Injection, anesthetic agent; femoral nerve, single
64448	Injection, anesthetic agent; femoral nerve, continuous infusion by catheter (including catheter placement)
64450	Injection, anesthetic agent; other peripheral nerve or branch
64470	Injection, anesthetic agent and/or steroid, paravertebral facet joint or facet joint nerve; cervical or thoracic, single level
64472	Injection, anesthetic agent and/or steroid, paravertebral facet joint or facet joint nerve; cervical or thoracic, each additional level (List separately in
04472	addition to code for primary procedure)
64475	Injection, anesthetic agent and/or steroid, paravertebral facet joint or facet joint nerve; lumbar or sacral, single level
64476	Injection, anesthetic agent and/or steroid, paravertebral facet joint or facet joint nerve; lumbar or sacral, each additional level (List separately in
04476	addition to code for primary procedure)
64479	Injection, anesthetic agent and/or steroid, transforaminal epidural; cervical or thoracic, single level
64480	Injection, anesthetic agent and/or steroid, transforaminal epidural; cervical or thoracic, each additional level (List separately in addition to code for
	primary procedure)

64483	Injection, anesthetic agent and/or steroid, transforaminal epidural; lumbar or sacral, single level
64484	Injection, anesthetic agent and/or steroid, transforaminal epidural; lumbar or sacral, each additional level (List separately in addition to code for
	primary procedure)
64505	Injection, anesthetic agent; sphenopalatine ganglion
64508	Injection, anesthetic agent; carotid sinus (separate procedure)
64510	Injection, anesthetic agent; stellate ganglion (cervical sympathetic)
64520	Injection, anesthetic agent; lumbar or thoracic (paravertebral sympathetic)
64530	Injection, anesthetic agent; celiac plexus, with or without radiologic monitoring
64550	Application of surface (transcutaneous) neurostimulator
64620	Destruction by neurolytic agent, intercostal nerve
64622	Destruction by neurolytic agent, paravertebral facet joint nerve; lumbar or sacral, single level
64623	Destruction by neurolytic agent, paravertebral facet joint nerve; lumbar or sacral, each additional level (List separately in addition to code for
	primary procedure)
64626	Destruction by neurolytic agent, paravertebral facet joint nerve; cervical or thoracic, single level
64627	Destruction by neurolytic agent, paravertebral facet joint nerve; cervical or thoracic, each additional level (List separately in addition to code for
04027	primary procedure)
64630	Destruction by neurolytic agent; pudendal nerve
64640	Destruction by neurolytic agent; other peripheral nerve or branch
64650	Chemodenervation of eccrine glands; both axillae
64653	Chemodenervation of eccrine glands; other area(s) (eg, scalp, face, neck), per day
64680	Destruction by neurolytic agent, with or without radiologic monitoring; celiac plexus
64681	Destruction by neurolytic agent, with or without radiologic monitoring; superior hypogastric plexus
72285	Discography, cervical or thoracic, radiological supervision and interpretation
72295	Discography, lumbar, radiological supervision and interpretation
75900	Exchange of a previously placed intravascular catheter during thrombolytic therapy with contrast monitoring, radiological supervision and
	interpretation
75960	Transcatheter introduction of intravascular stent(s) (except coronary, carotid, and vertebral vessel), percutaneous and/or open, radiological
	supervision and interpretation, each vessel
75962	Transluminal balloon angioplasty, peripheral artery, radiological supervision and interpretation
75978	Transluminal balloon angioplasty, venous (eg, subclavian stenosis), radiological supervision and interpretation
76000	Fluoroscopy (separate procedure), up to 1 hour physician time, other than 71023 or 71034 (eg, cardiac fluoroscopy)

76001	Fluoroscopy, physician time more than 1 hour, assisting a nonradiologic physician (eg, nephrostolithotomy, ERCP, bronchoscopy, transbronchial
	biopsy)
64490	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance
	(fluoroscopy or CT), cervical or thoracic; single level
64491	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance
	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance (fluoroscopy or CT), cervical or thoracic; second level (List separately in addition to code for primary procedu
64492	
	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance (fluoroscopy or CT), cervical or thoracic; third and any additional level(s) (List separately in addition to cod
64493	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance
	(fluoroscopy or CT), lumbar or sacral; single level
64494	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance
	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance (fluoroscopy or CT), lumbar or sacral; second level (List separately in addition to code for primary procedure)
64495	
	Injection(s), diagnostic or therapeutic agent, paravertebral facet (zygapophyseal) joint (or nerves innervating that joint) with image guidance (fluoroscopy or CT), lumbar or sacral; third and any additional level(s) (List separately in addition to code fo
95905	Motor and/or sensory nerve conduction, using preconfigured electrode array(s), amplitude and latency/velocity study, each limb, includes F-wave
	study when performed, with interpretation and report